

9th International Conference on Head and Neck Cancer

**Technology Transforming
Head and Neck Cancer Care**

**July 16 - 20, 2016
Washington State
Convention Center
Seattle, Washington**

**Headquarters Hotel:
Sheraton Seattle Hotel
1400 6th Ave, Seattle, WA**



AHNS PRESIDENT:	Dennis Kraus, MD
CONFERENCE CHAIR:	Jonathan Irish, MD
PROGRAM CHAIR:	Robert L. Ferris, MD, PhD
PROFFERED PAPERS CHAIR:	Eben Rosenthal, MD
POSTER CHAIR:	Cherie-Ann Nathan, MD
DEVELOPMENT CHAIR:	Bert W. O'Malley Jr., MD



FINAL PROGRAM

AHNS 2016 Industry Satellite Symposium

Immuno-Oncology: New Research Advancements in Squamous Cell Carcinoma of the Head and Neck

Tuesday, July 19, 2016 | 5:15–6:30 PM PDT

Washington State Convention Center

Seattle, Washington

Room 4C3

Program:



Harnessing the Immune System for the Treatment of SCCHN

Ethan Argiris, MD, PhD

Hygeia Hospital

Athens, Greece

Meeting Chair



Mechanisms of Immune Escape in SCCHN

John Lee, MD

Sanford Health

Sioux Falls, SD, United States



Immunotherapy Treatment Strategies Under Evaluation in Recurrent or Metastatic SCCHN

Robert Haddad, MD

Dana Farber Cancer Institute

Boston, MA, United States

Full panel discussion to follow presentations



Bristol-Myers Squibb



Immuno-Oncology

9th *International Conference on Head and Neck Cancer*

Technology Transforming Head and Neck Cancer Care

FINAL PROGRAM

July 16 - 20, 2016

**Washington State Convention Center
Seattle, Washington**



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Conference History

The 1st International Conference on Head and Neck Cancer was sponsored by the American Society for Head and Neck Surgery and the Society of Head and Neck Surgeons. It was held in Baltimore, Maryland in 1984; 669 were in attendance and 310 abstracts were presented as free papers and posters.

The 2nd International Conference was held four years later in Boston, Massachusetts under the sponsorship of the American Society for Head and Neck Surgery. It grew to 414 abstracts accepted for presentation and 983 in attendance.

The 3rd International Conference on Head and Neck Cancer was held in San Francisco, California in 1992 under the sponsorship of both the American Society for Head and Neck Surgery and the Society of Head and Neck Surgeons. The conference grew to 1,501 in total attendance: the number of proffered papers and poster presentations reached 582.

The 4th International Conference was held in Toronto, Canada in 1996 where 1,664 attended from 51 countries, and 787 abstracts were accepted for presentation.

The 5th International Conference was held in San Francisco, California in 2000 where a record-breaking 2,275 attended, and 791 abstracts were accepted for presentation. This meeting was sponsored by the recently merged Head and Neck societies. The new society, the American Head and Neck Society, is the single largest society dedicated to head and neck oncology in North America.

The 6th International Conference was held in Washington, DC in 2004 with 1,720 attendees and 875 abstracts accepted for presentation.

The 7th International Conference was held once again in San Francisco, California in 2008 where 1,996 attended from 65 countries and 1,159 abstracts were accepted for presentation.

The 8th International Conference was held Toronto, Canada in 2012 where 1,755 attended from 64 countries and 1,339 abstracts were accepted for oral and poster presentation.

SAVE THE DATE!

**2017 AHNS Annual Meeting
Held During the
Combined Otolaryngology Spring Meetings (COSM)**

**Wednesday, April 26, 2017 &
Thursday, April 27, 2017**

**Manchester Grand Hyatt
San Diego, California**

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Thank You to Our Educational Supporters!

The American Head & Neck Society gratefully acknowledges generous unrestricted educational grants in support of the 9th International Conference on Head and Neck Cancer by the following companies:

Diamond Level

Astra Zeneca

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Karl Storz Endoscopy

General Information

On-site Registration Hours

4D Skybridge

Friday, July 15	1:00pm – 6:00pm
Saturday, July 16	6:30am – 5:00pm
Sunday, July 17	6:30am – 6:30pm
Monday, July 18	6:30am – 5:30pm
Tuesday, July 19	6:30am – 5:00pm
Wednesday, July 20	7:00am – 12:00pm

Exhibit Hall Hours

4E

Sunday, July 17	10:00am – 4:00pm
Sunday, July 17 (Welcome Reception)	7:30pm – 8:30pm
Monday, July 18	10:00am – 4:00pm
Tuesday, July 19	10:00am – 4:00pm

Speaker Ready Room Hours

307-308

Friday, July 15	1:00 pm – 5:00 pm
Saturday, July 16	6:00 am – 5:30 pm
Sunday, July 17	5:30 am – 7:30 pm
Monday, July 18	5:00 am – 5:30 pm
Tuesday, July 19	6:00 am – 6:30 pm
Wednesday, July 20	6:30 am – 12:00 pm

AHNS Foundation Lounge Hours

401

** For current members of the Centurion Club

Sunday, July 17	8:15am – 5:15pm
Monday, July 18	7:30am – 5:15pm
Tuesday, July 19	7:30am – 5:00pm

Spouses Lounge Hours

3A

Sunday, July 17	7:00 am – 3:00 pm
Monday, Jul 18	7:00 am – 3:00 pm
Tuesday, July 19	7:00 am – 3:00 pm
Wednesday, July 20	7:00am – 11:00am

Official Language

The official language of the conference is English. Simultaneous translation will not be offered.

Abstracts

This program contains a complete listing of proffered papers and posters. Full abstract text can be found in a) the on-line version of the *JAMA Otolaryngology – Head & Neck Surgery*, b) the Conference Mobile Application, and c) at <http://ahns.jnabstracts.com/>

Business Center

There is a FedEx Office in the convention center located on Level 1. It will be open Monday through Friday from 7:00am to 10:00pm and Saturday and Sunday from 9:00am to 6:00pm.

General Information

Concessions

The AHNS will provide attendees with a continental breakfast each morning prior to the start of the session, excluding Saturday. A morning coffee break and an afternoon beverage break will also be provided all days of the week during the designated break times as noted in the Schedule at a Glance.

Food will be available for purchase at a vendor cart in the Exhibit Hall 4E during the times below.

Sunday, June 17th	10:45am - 2:45pm
Monday, June 18th	10:45am - 2:45pm
Tuesday, June 19th	10:30am - 2:30pm

Internet Access

Attendees of the conference will have access to complimentary wi-fi internet in the main session rooms of the convention center from Saturday through Wednesday.

First Aid Locations

First Aid offices can be found in the following locations of the Washington State Convention Center: South Lobby, Room 699, and Truck Hall North of 4EF.

Hours:

Saturday, July 16	6:30 am – 5:00 pm
Sunday, July 17	6:30 am – 9:30 pm
Monday, July 18	6:30 am – 7:30 pm
Tuesday, July 19	6:30 am – 5:30 pm
Wednesday, July 20	6:30 am – 1:00 pm

AED Locations:

- 2 N Lobby On post nearest Red Phone
- 4A Next to East wall fire hose cabinet
- 4B Next to West wall fire hose cabinet
- 4C Next to house phone and pay phones
- 4E South Wall
- 4F East Wall
- NTruck Corridor Outside N First Aid Office
- 4 N Lobby On East post near fire extinguisher
- 498 First Aid Office
- 6A Next to East wall fire hose cabinet
- 6B Next to North wall fire hose cabinet
- 6C Next to West wall fire hose cabinet
- 6E Next to West wall fire hose cabinet
- 699 First Aid Office
- Security Control East Wall
- 800 Pike Second Floor First Aid Room off of main stairs

American Head & Neck Society Statement of Professionalism and Ethics

The American Head and Neck Society is committed to promulgating and promoting professionalism and ethical behavior in its membership. As members, we value the trust placed in us by our patients, colleagues and society, and therefore willingly pledge to uphold the ethical and professional principles and virtues of medicine as outlined below.

We have a fundamental and sacred duty to our patients. Therefore, we will:

- Recognize that the welfare of our patients is the paramount priority
- Serve as advisors to our patients to help them navigate complex medical decisions
- Discuss the risks, benefits and alternatives of appropriate therapeutic options
- Be respectful of our patients' viewpoints and beliefs
- Support our patients physically, emotionally and spiritually
- Care for and support our patients at the end of life
- Offer support and care to our patients' families
- Strive to enhance and maximize our clinical, surgical and interpersonal competence
- Maintain a caring and respectful demeanor

We have a responsibility to our colleagues and teachers. Therefore, we will:

- Willingly acknowledge our skills and expertise to those wishing to learn
- Honor our teachers for devoting their time and energy on our behalf
- Assist our colleagues, technically, intellectually, emotionally and spiritually
- Respect our colleagues from other disciplines and practice multi-disciplinary care
- Provide legal opinions based only on evidenced-based practice and standards of care
- Offer care without regard to gender, age, religion, sexual orientation, socioeconomic status or ethnicity

We also have an obligation to the faith entrusted in us by society. Therefore, we will:

- Perform self regulation by developing and adhering to professional, ethical and evidence-based practice standards
- Disclose and limit conflict of interest
- Practice medicine honestly, compassionately and confidentially
- Educate the public within the bounds of our expertise



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Educational Objectives

The conference is designed to enable and stimulate clinicians and scientists to pursue the study of novel and promising new mechanisms of identifying disease, stratifying prognoses, developing new treatments, measuring outcomes and quality of care, and improving surveillance. The participation of Medical Oncologists, Radiation Oncologists, Radiologists, Pathologists, and Head and Neck Surgeons will ensure educational interaction within and between specialties that can strengthen multidisciplinary collaborative relationships.

At the conclusion of the event, participants will be able to:

- A. Assess and apply therapeutic options for the head and neck and thyroid cancer patient in a multidisciplinary environment, including:
 - 1) Induction chemotherapy and concurrent chemoradiotherapy, and how these treatments impact oncologic and functional outcomes of patient with advanced head and neck cancer;
 - 2) Novel radiation delivery, and the benefits and shortcomings of methods such as Intensity Modulated Radiotherapy (IMRT);
 - 3) Emerging molecular-targeted agents, and their efficacy and role in the treatment of head and neck cancer, including thyroid cancer.
 - 4) Surgical treatments, including the impact of breakthroughs in technology leading to robotic surgery, endoscopic approaches to the neck and thyroid gland, image-guided treatment of skull base neoplasms, sentinel node mapping, new reconstructive approaches, and new powered instrumentation and hemostatic devices.
- B. Assess emerging research that lead to better understanding of the pathogenesis of head and neck cancer and its treatment, including:
 - 1) New imaging breakthroughs for disease detection, pre-treatment staging, and assessment of treatment response.
 - 2) High throughput laboratory approaches to analyze tumors and biofluids including whole genome sequencing, cDNA microarrays, array CGH, SNP arrays and integrative genomics.
 - 3) The significance of human papilloma virus elements and or antibodies in tumors and biofluids.
 - 4) Pre-clinical evaluation of novel therapeutics.
 - 5) Early detection of oral pre-malignancy and cancer and chemopreventive approaches.
 - 6) Newly discovered biomarkers and their utility in treatment selection.
 - 7) In addition, attendees with research careers may also be able to find new collaborators, develop new research protocols (including clinical trials), and participate in and improve existing protocols and trials
- C. Assess and apply the process, outcomes, and quality of delivering care to head and neck cancer patients, including:
 - 1) The value of treatment guidelines including the NCCN treatment guidelines in improving patient care

Educational Objectives

- 2) How to measure patient-reported outcomes and maximize their utility
 - 3) How to establish a surgical quality and performance monitoring program
 - 4) How cost-effectiveness is important to consider in considering novel treatments
 - 5) The Physician Quality Reporting Initiative (PQRI) in head and neck cancer care
 - 6) Incorporating quality into trainee/medical student education
 - 7) The burden of caring for H&N cancer in the developing and international community
- D. Recognize the vital role of nurses, speech language pathologists, audiologists, nutritionists, social workers, pain specialists, mental health practitioners, physical therapists, dental oncologists in achieving maximal functional outcomes and increase interdisciplinary cooperation.

Continuing Medical Education Credits

The 9th International Conference on Head and Neck Cancer has been designated for continuing medical education credits. Please use the worksheet on page 12 to track the number of CME hours you attend for each activity. Nurses may submit their certificate of attendance to their state nursing board and get it qualified for credit. CMEs translate to 1 credit = 1 hour. Please use the following link to complete the on-line survey and claim form:

<https://www.research.net/r/2016AHNS>

The survey link will open on Saturday, July 16th. **Access is also available through the AHNS 2016 Mobile App.**

AHNS Accreditation

The American Head & Neck Society (AHNS) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor Continuing Medical Education for physicians.

The AHNS designates this Live activity for a maximum of 32.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Certificate of Attendance

Attendees may pick up a certificate of attendance from the Registration Desk beginning Tuesday, July 19th.

CME Worksheet

Fill in the number of hours you attended each activity in the chart below to track your CME credits.

SATURDAY, JULY 16, 2016			
Activity	Session Attended	Credits Available	Hours Attended
AHNS/AAOHNS Thyroid and Parathyroid Surgery Course for Residents and Fellows		3.75	
Instructional Courses 08:00-09:00		1.0	
Instructional Courses 09:00-10:00		1.0	
Instructional Courses 10:30-11:30		1.0	
Instructional Courses 1:00-2:00		1.0	
Instructional Courses 2:00-3:00		1.0	
Instructional Courses 3:30-4:30		1.0	
Total Credits Available for Saturday, July 16, 2016:		6.75	
SUNDAY, JULY 17, 2016			
Activity	Session Attended	Credits Available	Hours Attended
John J. Conley Lecture		0.75	
Keynote: Curt Cronin		0.75	
Panels/Proffered Papers 10:45-12:15		1.5	
Lunch with the Professors/Tumor Boards 12:30-01:30		1.0	
Panels/Proffered Papers 01:45-03:15		1.5	
Panels/Proffered Papers 03:45-05:15		1.5	
AHNS Presidential Address & Honors		0.75	
Building a Multidisciplinary Head and Neck Program from the Ground Up		1.0	
Total Credits Available for Sunday, July 17, 2016:		8.75	

CME Worksheet

MONDAY, JULY 18, 2016			
Activity	Session Attended	Credits Available	Hours Attended
Jatin P. Shah Symposium		1.0	
Lunch with the Professors or Tumor Boards 12:30-1:30		1.0	
Panels/Proffered Papers 10:45-12:15		1.5	
Panels/Proffered Papers 1:45-3:15		1.5	
Panels/Proffered Papers 03:45-05:15		1.5	
Total Credits Available for Monday, July 18, 2016:		6.5	
TUESDAY, JULY 19, 2016			
Activity	Session Attended	Credits Available	Hours Attended
Milton J. Dance Symposium - Optimizing Survivorship: Prevention thru Late Effects		1.5	
Hayes Martin Lecture		0.75	
Panels/Proffered Papers 10:30-12:00		1.5	
Panels/Proffered Papers 1:30-3:00		1.5	
Panels/Proffered Papers 3:30-5:00		1.5	
Total Credits Available for Tuesday, July 19, 2016:		6.75	
WEDNESDAY, JULY 20, 2016			
Activity	Session Attended	Credits Available	Hours Attended
Christopher O'Brien Lecture		0.5	
Panels/Proffered Papers 9:30-11:00		1.5	
Panels/Proffered Papers 11:00-12:30		1.5	
Total Credits Available for Wednesday, July 20, 2016:		3.50	
TOTAL CREDITS		32.25	

Commercial Bias Reporting Form

You are encouraged to ...

- 1) Document (on this form) any concerns about commercially-biased presentations/ materials during educational sessions,
- 2) Make suggestions about how bias might have been avoided/ minimized, and
- 3) Immediately take your completed form to the AHNS staff at the Registration Desk.

Your feedback will be shared with a member of the CME Compliance Committee, who will make the faculty aware of the concerns and/or suggestions.

Commercial Bias

The AHNS CME Compliance Committee has defined "bias" as an *existing predisposition that may interfere with objectivity in judgment. Bias may be minimized through prior declaration of any source of conflict of interest, reference to evidence-based literature and expert opinions, and/or an independent peer-review process.*

If an educational presentation certified for CME includes bias of any commercial interests*, please provide the following details:

(*Commercial interest is defined by the ACCME as an entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients.)

Presentation:

(eg session name, etc)

Commercial Bias by:

(ie faculty name, company rep)

Promotion via:

(eg handouts, slides, what they said, actions)

Commercial Bias about:

(check all that apply)

- Patient treatment/management recommendations were not based on strongest levels of evidence available.
- Emphasis was placed on one drug or device versus competing therapies, and no evidence was provided to support its increased safety and/or efficacy.
- Trade/brand names were used.
- Trade names versus generics were used for *all* therapies discussed.
- The activity was funded by industry and I perceived a bias toward the grantors.
- The faculty member had a disclosure and I perceived a bias toward the companies with which he/she has relationships.
- Other (please describe): _____

Suggestions for avoiding or minimizing bias:

Extra Copies Are Available at the AHNS Desk

Please return this form to the AHNS Membership Booth
or the Registration Desk, or mail it to:

AHNS CME, 11300 W. Olympic Blvd, Suite 600,
Los Angeles, CA 90064

Conference Leadership

AHNS President



Dennis Kraus, MD

Dr. Dennis Kraus is the Director of the Center for Head and Neck Oncology within the New York Head & Neck Institute and the Northwell Health Cancer Institute. He is Chair of the Lenox Hill Hospital Cancer Committee, Member of the Cancer Oversight Committee for the Northwell Health System, Professor of Otolaryngology at Northwell Health Hofstra School of Medicine and a Member of the Admissions Committee for the Hofstra School of Medicine. Dennis has served in a number of administrative positions within the otolaryngology and head and neck surgery communities. In addition to currently serving as president, he has served in multiple roles within the AHNS, including program chair of the annual meeting and Secretary.

Dennis currently is a member of the Board of Governors for the American College of Surgeons and the Otolaryngology Advisory Council. He serves on the American Joint Commission of Cancer. He is the past president of the North American Skull Base Society, the New York Head and Neck Society and the New York Laryngological Society. Dennis is currently co-editor in chief of the Skull Base Journal and associate editor of Head and Neck Surgery. He is chair of the Subspecialty Advisory Council for the American Academy of Otolaryngology-Head and Neck Surgery and is past chair of the Head and Neck Educational committee and the Home Study Course.

His clinical interest focuses on all aspects of head and neck oncology and his research efforts have paralleled his clinical initiatives. Dennis has particular expertise as it relates to minimally invasive thyroid surgery, robotic surgery of the head and neck and sentinel node biopsy for cutaneous malignancies. He has been a strong advocate for the use of minimally invasive surgery in the sinonasal region and skull base. Each of these developments has been associated with decreased morbidity with improved cosmetic and functional outcomes for patients with head and neck neoplasms. He has been fortunate to lecture across both the USA and around the world in a number of venues. On a personal level, Dennis is married to his wife of 29 years, Daryl, and they reside with all 3 of their adult children; Devon, Cameron and Collin, in New York City. He continues to enjoy golf, skiing and travel.

Conference Chair



Jonathan Irish, MD, MSc, FRCS, FACS

Dr. Irish graduated with his M.D. degree in 1984 from the University of Toronto. He completed residency training at UCLA and at the University of Toronto. He completed his Master's of Science degree in Molecular Biology at the Institute of Medical Science at the University of Toronto in 1991 where he studied the molecular biological characteristics of head and neck cancers. He completed the American Head and Neck Society Fellowship in Head and Neck Surgical Oncology in 1991 under Dr. Patrick Gullane and joined the staff of the Toronto General Hospital and Princess Margaret Cancer Centre in 1992.

Dr. Irish is currently the Chief of the Department of Surgical Oncology at the Princess Cancer Centre and is Professor of Otolaryngology-Head and Neck Surgery at the University of Toronto.

Since 2004, Dr. Irish has been a major health policy advisor and responsible for access to care, quality improvement and health care funding for the Surgical Oncology Program at Cancer Care Ontario which oversees the delivery of cancer services for 13.5 million people in the Province of Ontario, Canada. In 2004, Dr. Irish became the Lead for Access to Care ("WaitTimes") and Strategic Funding Initiatives for the Surgical Oncology Program at Cancer Care Ontario and is responsible for the Cancer Surgery WaitTimes portfolio. He was the Provincial Clinical Lead for Access to Services and WaitTimes for the Province of Ontario from 2008-2012. In 2008, Dr. Irish was appointed Provincial Head of the Surgical Oncology Program at Cancer Care Ontario. In 2015, Dr. Irish was elected Vice-President of the American Head and Neck Society and will assume the Presidency position in 2018.

Conference Leadership

As the Kevin and Sandra Sullivan Chair in Surgical Oncology at the University of Toronto he has led a multidisciplinary program in Guided Therapeutics at UHN and is currently leading the Guided Therapeutics Core for the TECHNA Institute at the University Health Network.

Dr. Irish has over 300 peer review publications and over 30 book chapters and has over \$3M in peer-review funding for his research through the NCIC and CIHR.

Jon is married to Dr. Rosemary Martino and are extremely proud of their 3 children Matthew (29), Brendan (27) and Elizabeth (24).

Program Chair



Robert L. Ferris, MD, PhD

Robert L. Ferris, MD, PhD completed his training at Johns Hopkins in 2001, focused on head and neck oncologic surgery and cancer immunology. He moved to the University of Pittsburgh, where he is currently UPMC Endowed Professor, Vice-Chair and Chief of Head and Neck Surgery, and Fellowship Director in Head and Neck Oncologic Surgery. At the University of Pittsburgh Cancer Institute, he is Co-Leader of the Cancer Immunology Program and Associate Director

for Translational Research. Dr. Ferris serves on the Editorial Boards of JNCI, JCO, Clinical Cancer Research, Cancer Immunology Research and Section Editor for Cancer. He is Editor in Chief of Oral Oncology. Dr. Ferris has published over 250 peer-reviewed manuscripts and in 2015 was elected co-chair of the NCI Head and Neck Steering committee to facilitate prospective clinical trials.

Dr. Ferris's NIH-funded laboratory is focused on reversal of immune escape and immunotherapy using monoclonal antibodies and cellular vaccines, leading randomized phase II-III trials of anti-PD-1 and anti-CTLA-4 immunotherapy. He currently chairs the NIH tumor Microenvironment study section. He is PI of several prospective randomized trials, including ECOG 3311, testing radiation dose-deintensification after transoral robotic surgery (TORS) for HPV+ oropharynx cancer, as well as ECOG-ACRIN 3132, using p53 mutational testing in HPV- cancer, to predict response to radiation versus chemoradiation. He is a Principal Investigator of the University of Pittsburgh Specialized Program of Research Excellence (SPORE) grant for translational head and neck research, and a T32 training grant, "Training of Head and Neck Oncologists," both funded by the National Cancer Institute until 2020. Dr. Ferris has authored numerous book chapters and co-edited two textbooks, Salivary Gland Disorders and Master Techniques in Head and Neck Surgery.

For 17 years, Bob has been married to Laura K. Ferris, MD, PhD (Associate Professor of Dermatology and Translational Science), with whom he has 3 children, Rachel (14), Anna (12) and Adam (10).

Proffered Papers Chair



Eben L. Rosenthal, MD

Eben Rosenthal grew up in Ann Arbor, Michigan and received degrees from Haverford College and the University of Michigan. He learned his surgical skills in otolaryngology from the University of Michigan and traveled west for further training in facial plastic and reconstructive surgery at the Oregon Health and Science University. He joined the faculty at University of Alabama at Birmingham where he started as an Assistant Professor of Surgery within the Division of

Otolaryngology. In 2012, Dr. Rosenthal became Division Director of Otolaryngology – Head and Neck Surgery and the holder of the John S. Odess Endowed Chair at the University of Alabama at Birmingham. He moved to Stanford in 2015 to become the Ann and John Doerr Medical Director of the Stanford Cancer Center.

Dr. Rosenthal is certified by the American Board of Otolaryngology and specializes in the treatment and reconstruction of head and neck cancer patients. He has a strong interest in development of new strategies to surgically repair complex head and neck defects to improve functional and cosmetic outcomes.

Conference Leadership

He has published over 160 peer-reviewed scientific manuscripts, authored many book chapters and published a book on optical imaging in cancer. He is on the editorial board of *Head & Neck* and *The Laryngoscope* and is also a charter member of the NIH Developmental Therapeutics Study Section. Dr. Rosenthal has performed preclinical and clinical research on the role of targeted therapies for use to treat cancer alone and in combination with conventional therapy. He has served as principal investigator on several early phase investigator-initiated and industry sponsored clinical trials in molecular oncology. He has received grant funding from the American Cancer Society, NIH/NCI and NIH/NIDCR to study the role of targeted therapy and novel imaging strategies in cancer.

Dr. Rosenthal has conducted bench to bedside development of optical contrast agents to identify cancer in the operating room. He led a multidisciplinary team of scientists through successful IND application to allow testing of fluorescently labeled antibodies in the clinic and operating room. These early phase clinical trials have demonstrated that this technique can visualize microscopic cancer in the operating room and may significantly improve clinical outcomes.

Poster Chair



Cherie Ann O. Nathan, MD

Cherie-Ann Nathan, MD, FACS, is Professor and Chairman of the Department of Otolaryngology/Head and Neck Surgery at LSU-Health in Shreveport. She is also Director of Head and Neck Oncologic Surgery and Research at the Feist-Weiller Cancer Center. She completed her Otolaryngology/Head and Neck Surgery residency and head and neck fellowship in 1995 at University of California, San Diego. She was a post-doctoral fellow at Johns Hopkins where she started her

research career. Following her fellowship she began her academic career at LSU-Shreveport.

Her passion to improve outcomes for patients with HNSCC was the reason she moved from Mumbai India, where she went to medical school at TNMC Mumbai and began her ENT residency. She is a Surgeon-Scientist that maintains a busy practice treating head and neck cancer patients, thyroid, parathyroid diseases and voice disorders and leads an active research team. Her translational research program has been funded by the National Cancer Institute since 2000 and focuses on targeted therapy for head and neck patients. She is nationally and internationally recognized for her seminal work on molecular analysis of surgical margins and has pioneered clinical trials using mTOR inhibitors in HNSCC patients previously with Wyeth, and most recently with Novartis. She is also NIH funded for chemoprevention of cancer with curcumin and has a provisional patent for a new formulation of this compound. She is also a team member of the COBRE grant for viral oncogenesis. She has published extensively and has over 150 publications in peer reviewed journals and has authored textbooks and encyclopedia chapters.

Dr. Nathan has served on many National committees some of which include the NCI Steering committee and Task Force, board of directors for the Head and Neck Cancer Alliance, ASCO Program committee and Larynx Preservation Working Group and the AAO-HNS Program committee and Head & Neck CORE leader. She has served on many committees for the AHNS including chairing the research and finance committee. At the local level she is active as well, having been on the board of directors for Shreveport Medical Society, Disaster Reform committee and the Science Museum.

The SB Commerce Department awarded her the Athena Award for community service and she received the Leonard Tow Humanism award from the Arnold Gold Foundation. The Board of Regents in Louisiana established the "Cherie-Ann Nathan Endowed Professorship in Otolaryngology/Head and Neck Surgery" initiated by grateful patients to honor her dedication and expertise.

Dr. Nathan is married to pulmonologist and critical care specialist Dr. Raghu Nathan and they have two boys. Her favorite hobby is performing with the "Nathan Family Trio" to raise money for the Arts and Cancer research in Shreveport

Conference Leadership

Local Chair



Neal Futran, MD, DMD

Dr. Futran joined the University of Washington faculty in 1995. He is currently the Allison T. Wanamaker Professor and Chair of the Department of Otolaryngology - Head and Neck Surgery. He is also the Director of Head and Neck Surgery as well as an adjunct professor in the departments of Plastic Surgery and Neurological Surgery. Dr. Futran earned his dentistry degree at the University of Pennsylvania and completed training in oral and maxillofacial surgery as well as

an MD degree at the Health Science Center at Brooklyn, New York. He then trained in Otolaryngology - Head & Neck Surgery at the University of Rochester followed by a Head and Neck Oncology and Microvascular Surgery fellowship at Mount Sinai Hospital in New York with Dr. Mark Urken. Dr. Futran became an assistant professor in the Department of Otolaryngology at the University of South Florida in 1993 specializing in head and neck oncologic and reconstructive surgery and subsequently relocated to Seattle.

Dr. Futran is board certified in Otolaryngology and has outstanding expertise and an active practice in head and neck oncology and microvascular reconstruction and rehabilitation of complex, oncology and trauma cases. He also specializes in skull base surgery utilizing both endoscopic and open approaches. His major research activities center on microvascular reconstruction of the head and neck and he also participates in grants studying molecular profiles and gene analysis in oral carcinogenesis.

He enjoys teaching on the topics of head and neck reconstruction, craniofacial trauma, skull base surgery, and head and neck oncology worldwide. He is on the board of directors for the AO Foundation, a trustee of the UW Physicians, and the Virginia Bloedel Hearing Research Institute. Dr. Futran is on the editorial boards of several scientific journals, is associate editor of *Oral Oncology*, and deputy editor of *JAMA-Otolaryngology*. He is listed in the Best Doctor's in Seattle, for Cancer, and in America.

Conference Leadership

Development Chair



Bert W. O'Malley, Jr., MD

Bert W. O'Malley, Jr., M.D. is the Gabriel Tucker Professor and Chairman of the Department of Otorhinolaryngology – Head and Neck Surgery. He is the Co-Director of the Center for Head and Neck Cancer, with joint appointments in the Departments of Neurosurgery, Radiation Oncology, the Abramson Cancer Center and the School of Dental Medicine. Dr. O'Malley also serves as Associate Vice President of Physician Network Development to further develop clinical programs and

improve the coordination of care of patients between Penn Medicine and referral networks in the face of health care reform.

Dr. O'Malley received his M.D. from UT Southwestern in Dallas. He completed two years of general surgery residency at Parkland Memorial Hospital and then a residency in Otolaryngology – Head and Neck Surgery at Baylor College of Medicine. Dr. O'Malley completed a fellowship in head and neck oncology and cranial base surgery at the University of Pittsburgh. He began his academic faculty career at Johns Hopkins University in 1995 where he rose to Associate Professor and Director of Gene and Molecular Therapy in the Department of Otolaryngology-Head & Neck Surgery.

Subsequent to his tenure at Hopkins, Dr. O'Malley served as Professor and Chairman of Otolaryngology – Head and Neck Surgery at the University of Maryland from 1999 to 2003 as well as Associate Director of the Greenebaum Cancer Center.

Dr. O'Malley brings clinical expertise in the area of open and endoscopic skull base surgery, robotic surgery, and head and neck cancer. His clinical research focuses on the development of novel technologies such as image-guided surgery and robotic surgery. Dr. O'Malley co-founded the first human robotics head and neck and skull base program in the world and was Co-PI of the first IRB approved human clinical trial for robotic surgery in our specialty. He is actively developing novel robotic surgical procedures (TORS) and instrumentation to advance the use of this technology in all aspects of Otolaryngology - Head and Neck Surgery. He was instrumental in the achievement of USFDA approval in December 2009 for TORS (TransOral Robotic Surgery) as well as expanded indications FDA approval in 2014.

Dr. O'Malley has served as PI on three NIH RO1s and an R29 (FIRST) award as well as numerous industry and foundation grants. He is pioneering the use of molecular therapies to enhance the anti-tumor effects of chemotherapy and radiation while reducing the known toxicities of these treatments. In addition, he is investigating novel combinations of stem cells and biomatrices for tissue defect reconstruction. He is currently Co-PI of the NIH-funded Penn Multidisciplinary Consortium: Personalized Dental, Oral and Craniofacial Tissue Regeneration.

Dr. O'Malley is a Fellow of the American College of Surgeons and is a member of numerous professional societies, including the American Academy of Otolaryngology – HNS, the American Head & Neck Society, the Triological Society, the American Laryngologic Society, the American BrochoEsophagology Society, the American Rhinologic Society, The John Morgan Society, the Philadelphia College of Physicians, and the Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum (CORLAS). He is a founding member of the Cell Transplant Society and Charter member of the Society of Robotic Surgery.

Dr. O'Malley is Editor-in-Chief of the *Journal for Oto-Rhino-Laryngology, Head and Neck Surgery* and Editor of the textbooks *Atlas of Skull Base Surgery* and *TransOral Robotic Surgery (TORS)*.

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Keynote Lectures & Symposia

Hayes Martin Lecture



Ashok R. Shaha, MD

Dr. Shaha is an Attending Surgeon, Professor of Surgery and holds Jatin P. Shah Chair on Head and Neck Service at Memorial Sloan Kettering Cancer Center. Dr. Shaha completed his surgical training in Baroda India, worked at Tata Memorial Hospital and subsequently moved to the U.S. in 1975. After completing his surgical oncology fellowship and residency at Downstate Medical Center he was a head and neck fellow at Memorial Hospital between 1981-1982. He was appointed as an attending surgeon at Downstate Medical Center in 1982 and rose to the rank of Professor of Surgery in 1992. He moved to Memorial Sloan Kettering Cancer Center in 1993 and has been there since.

Dr. Shaha has received several academic awards including Golden Apple Teaching Award, AOA Honor Medical Society and Outstanding Teaching Award at Memorial Sloan Kettering Cancer Center. He was visiting Professor of Society of Head and Neck Surgeons and received distinguished service award from the American Head and Neck Society. He also received distinguished service award from AAO-HNS. He was Co-President of the American Head and Neck Society and has been President of the N.Y. Cancer Society, New York Head and Neck Society, New York Surgical Society and Brooklyn Surgical Society. He has been on the editorial board of several journals.

He has a deep interest in thyroid cancer and thyroid surgery. He has been academically quite active with more than 500 published peer-reviewed papers and approximately 150 of book chapters. He also performed experimental research on tracheal malacia and tracheal reconstruction. He has dedicated his professional career to the training of the medical students and residents. He was Chairman of the Advance Training Council for head and neck oncology fellowship in the U.S. for 10 years. He has been a frequent guest speaker in several international meetings. He was conference Chair of the 6th International Conference in 2004 and is Director of IFHNOS.

Past Hayes Martin Lecturers

John A Ridge, MD, PhD (2015)
Patrick J. Gullane, MD (2014)
Jonas T. Johnson, MD (2013)
Gregory T. Wolf, MD (2012)
Randal S. Weber, MD (2011)
Adel El-Naggar, MD (2010)
Charles W. Cummings, MD (2009)
Waun Ki Hong, MD (2008)
Jesus E. Medina, MD (2007)
Keith S. Heller, MD (2006)
Richard K. Reznick, MD, MEd (2005)
Christopher J. O'Brien, MD (2004)
Michael Johns, MD (2003)
Eugene Myers, MD (2002)
William Wei, MS (2001)
Robert M. Byers, MD (2000)
Jean-Louis H. LeFebvre, MD (1999)
Jatin P. Shah, MD (1998)
Blake Cady, MD (1997)
Joseph N. Attie, MD (1996)
Helmuth Goepfert, MD (1995)
John G. Batsakis, MD (1994)

Ronald H. Spiro, MD (1993)
John M. Lore, MD (1992)
Ian Thomas Jackson, MD (1991)
Alando J. Ballantyne, MD (1990)
George A. Sisson, MD (1989)
M.J. Jurkiewicz, MD (1988)
Elliot W. Strong, MD (1987)
Donald P. Shedd, MD (1986)
Alfred S. Ketcham, MD (1985)
William A. Maddox, MD (1984)
John J. Conley, MD (1983)
Milton Edgerton, MD (1982)
Richard H. Jesse, MD (1981)
Condit Moore, MD (1980)
Edward F. Scanlon, MD (1979)
Harvey W. Baker, MD (1978)
Harry W. Southwick, MD (1977)
Edgar L. Frazell, MD (1976)
Charles C. Harrold, MD (1975)
Arthur G. James, MD (1974)
Oliver H. Beahrs, MD (1973)
William S. MacComb, MD (1972)

Keynote Lectures & Symposiums

Hayes Martin Biography



Hayes Martin

Hayes Martin was born in Dayton, a small town in north central Iowa. He attended the University of Iowa at Iowa Falls before being accepted to the medical school in 1913 on the same campus, finishing 4 years later in a class of 20.

World War I began in April 1917 while Hayes was in his final year of medical school. Many of his classmates at the medical school were in the Army ROTC units; however, Dr. Martin opted for the Navy, which he joined on the day America

entered the war. He traveled to Europe on the USS Arkansas and was assigned to his permanent duty station at the U.S. Navy Air Station, LaTrinite Sur Mer, France – a small seaside village on the southern coast of Brittany. The purpose of this base was antisubmarine warfare using blimps and kite balloons. Dr. Martin was made commanding officer of the air station for a brief period of time when the line officer in charge had become ill; it was a unique position for a medical officer in the Navy to take command during wartime.

After the war, Dr. Martin returned to the U.S and sought out an internship at the old Poly Clinic Hospital in New York City, which was temporarily made into a Veteran's Administration hospital. Part of his internship was spent at Bellevue in the fourth surgical division, where he felt he would have the best possible training in general surgery. The chief of the second division was John A. Hartwell, MD, the distinguished surgeon memorialized by the Fellow's Room in the library of the New York Academy of Medicine. Dr. Hartwell suggested that Dr. Martin go to Memorial Hospital to learn about cancer.

Dr. Martin received an internship at Memorial in the summer of 1922 and stayed on as a resident until 1923. He then had two years at the second surgical service at Bellevue, where he operated to his heart's content and got the surgical education he so strongly desired. Once he finished his residency, Dr. Martin returned to Memorial where he joined as clinical assistant surgeon on the staff.

Dr. Martin made the use of aspiration biopsy on all solid tumors popular throughout Memorial. Now, this procedure is done throughout the world. Dr. Martin co-authored the first report on the subject published in the Annals of Surgery. Numerous other articles followed, including Dr. Martin's two most famous publications, "Cancer of the Head and Neck," published in two issues of the Journal of the American Medical Association in 1948, and "Neck Dissection," appearing in Cancer in 1951. These two papers were so extensively requested that the American Cancer Society made reprints by the thousands available to those who requested them as many as 20 years after publication. Dr. Martin's bibliography encompasses more than 160 articles.

In 1934, Dr. Martin was appointed Chief of the Head and Neck Service at Memorial Hospital. It wasn't until 1940 that surgery began to take over as the treatment of choice for the majority of cancers of the head and neck. In that year, the beginnings of improved anesthesia permitted advances in surgery. Later, during World War II, antibiotics became available and surgery began to dominate much of head and neck cancer management. Dr. Martin wrote extensively on many subjects, most within the realm of head and neck surgery. His ideal was to be the complete head and neck surgeon and he treated a wide variety of head and neck abnormalities. His book, *Surgery of the Head and Neck Tumors*, was published in 1957.

Dr. Martin retired from active practice in 1957 at the age of 65. He performed his last operation at Memorial Hospital, assisted by Dr. Elliot Strong, in October 1959, but continued to see patients in his office until he passed away in 1977.

Keynote Lectures & Symposia

John J. Conley Lecture



Robert S. Bell, CM, MSc, MD, FRCS

Dr. Robert Bell was appointed Deputy Minister of Health and Long-Term Care, effective June 2, 2014. Prior to this role, he served as President and Chief Executive Officer of University Health Network for nine years. He was previously the Chief Operating Officer at Princess Margaret Hospital and Chair of both Cancer Care Ontario's Clinical Council and the Cancer Quality Council of Ontario.

Dr. Bell received his Doctor of Medicine from McGill University and a Master of Science from the University of Toronto. He also completed a Fellowship in Orthopaedic Oncology at Massachusetts General Hospital and Harvard University. Dr. Bell is a Fellow of the Royal College of Physicians and Surgeons of Canada, the American College of Surgeons and an Honorary Fellow of the Royal College of Surgeons of Edinburgh.

An internationally recognized orthopedic surgeon, health care executive, clinician-scientist, and educator, Dr. Bell brings more than 30 years of health care experience to his current role.

Past John J. Conley Lecturers

Jonathan Irish, MD, MSc, FRCS	(2015)	Carolyn Dresler, MD	(2008)
Antonio Fojo, MD, PhD	(2014)	Kenneth I. Shine, MD	(2007)
Patrick J. Gullane, MB, FRCS, FRACS	(2013)	John Stone, MD, MACP	(2006)
Julie A. Freischlag, MD	(2012)	James F. Battey Jr., MD	(2005)
Benjamin S. Carson, Sr., MD	(2011)	David C. Leach, MD	(2004)
Robert L. Comis, MD	(2010)	Jonathan D. Moreno, MD	(2003)
James D. Smith, MD	(2009)	Rabbi David Saperstein	(2002)
		Edward Hughes, MD	(2001)

John J. Conley Biography



Although he looked and sounded like an English nobleman, Dr. John Conley was born in Carnegie, Pennsylvania, a small steel mill town just outside of Pittsburgh. He graduated from the University of Pittsburgh and later its school of medicine. He interned at Mercy Hospital in Pittsburgh. During that year, the nuns who ran the hospital suggested that Dr. Conley take a residency in cardiology and come back to Mercy as their cardiologist.

He went to Kings County Hospital in Brooklyn, a very busy city hospital with a huge patient population. Shortly after he began his training, he had an arrhythmia diagnosed as paroxysmal atrial tachycardia. Little was known about this benign condition at that time. Dr. Conley was told that cardiology was too stressful and that he should go into an easier, less-stressful field with better working hours, like ENT. He did an otolaryngology residency at Kings County Hospital. This was followed by four years of military service during World War II, which included experience in otolaryngology and plastic and reconstructive and maxillofacial surgery in the U.S. Army Medical Corps, both in this country and in the South Pacific theater. Exposure to the construction of war wounds would prove invaluable to him later on in applying these principles to reconstruction following ablative head and neck surgery.

Dr. Conley returned to New York City after the war. He became an assistant and then an associate of Dr. George T. Pack, a technically superb general oncologic surgeon at Memorial Hospital who taught Dr. Conley major ablative surgery of the head and neck. They worked day and night catching up with the backlog of surgery that was neglected during the war years. The combination of his training in otolaryngology, the exposure to ablative surgery, and the World War II experience in reconstructive surgery set the stage for Dr. Conley to evolve his unique approach to head and neck surgery.

Ironically, despite the admonition of the cardiologists about hard work, Dr. Conley did a prodigious amount of major head and neck reconstructive surgery.

Keynote Lectures & Symposiums

This proved to be more than ample to provide training to many fellows. His commitment to education is further attested to by the position he held for many years as Clinical Professor of Otolaryngology at the College of Physicians and Surgeons at Columbia University. He loved his appointment at Columbia and particularly his involvement in teaching the residents.

Dr. Conley's vast surgical experience, together with active research interests, led to the authorship of almost 300 contributions to the scientific literature, and eight books. As a result of his productivity and rhetorical eloquence, he was very much in demand as a speaker in this country and abroad. He gave many prestigious eponymous lectures in our field and received many awards for his work, including the Philip H. Hench Award as the Distinguished Alumnus of the University of Pittsburgh School of Medicine, and the DeRoaldes and Newcomb Awards of the American Laryngological Association.

Dr. Conley's contributions to the scientific literature, many technical innovations and surgical experience placed him in the position to receive many honors and important leadership positions, such as President of the American Academy of Otolaryngology and Ophthalmology, member of the Board of Governors of the American College of Surgeons, founding member of the Society of Head and Neck Surgeons, and founding member and first President of the American Society for Head and Neck Surgery. During those years, Dr. Conley used, to the great benefit of us all, his wisdom and diplomacy in carrying out such high-level responsibilities.

Christopher O'Brien Lecture



Mark Shrive, MD, MPH, PhD

Mark G. Shrive, MD, MPH, PhD, FACS is an Assistant Professor of Otolaryngology and of Global Health and Social Medicine at the Harvard Medical School. He serves as the Research Director at the Program in Global Surgery and Social Change at the Harvard Medical School. In addition, he is an otolaryngologist at the Massachusetts Eye and Ear Infirmary, and associate faculty at Ariadne Labs.

His academic pursuits focus on surgical delivery in low- and middle-income countries, where he has a specific interest in the intersection of health and impoverishment. His work aims to determine optimal policies and platforms for surgical delivery that maximize health benefits while simultaneously minimizing the risk of financial catastrophe faced by patients.

Dr. Shrive graduated summa cum laude from Princeton University in 1996 with a BA in molecular biology. He received his MD from the University of Texas in 2001, after taking a year to teach organic chemistry in Singapore. Medical school was followed by a residency in otolaryngology at the joint Columbia/Cornell program in Manhattan, followed, in turn, by a fellowship in head and neck surgical oncology at the University of Toronto in 2007. He completed a second fellowship in microvascular reconstructive surgery, also at the University of Toronto, in 2008. He was the first to identify a novel independent prognostic indicator in head and neck cancer.

To date, he has worked and taught in Liberia, Sierra Leone, Guinea, Benin, Togo, Congo, Haiti, Saudi Arabia, and Madagascar. In May, 2011, he graduated with an MPH in global health from the Harvard School of Public Health, where he was a finalist for both the Albert Schweitzer award and the HSPH Student Recognition award, and in May, 2015, he received his PhD in health policy from Harvard University, with a concentration in decision science.

Keynote Lectures & Symposia

Christopher O'Brien, MD Biography



Professor O'Brien led a life unparalleled by many. He graduated in medicine from the University of Sydney in 1976 and then completed his residency and surgical training at Royal Prince Alfred Hospital. He decided to specialize in head and neck surgery and undertook clinical fellowships in head and neck surgery and oncology at the Royal Marsden Hospital, in England and at the University of Alabama, USA, returning to Australia in 1987 to join the staff of RPAH as a consultant head and neck surgeon. There he contributed to the expansion of the clinical service, making it one of the largest in the country, and also established a comprehensive head and neck database. That database is the largest in Australasia and one of the largest in the world.

He also established a basic research program and an international clinical fellowship program under the umbrella of the Sydney Head and Neck Cancer Institute, which he founded in 2002.

Professor O'Brien had two postgraduate degrees from the University of Sydney – a Masters of Surgery for his basic research in microvascular surgery and a Doctorate in Medicine for his work on the management of metastatic cancer in the neck.

He was the author of over one hundred scientific papers and 17 book chapters and he has been honoured with invitations to many countries and institutions as a visiting professor and guest lecturer, including invitations to give numerous prestigious named lectures: the Hayes Martin Lecture in Washington in 2004, the Eugene Myers International Lecture in Los Angeles 2005, the inaugural Jatin P Shah Lecture in Prague 2006 and the Semon Lecture in London 2008. He was also made an Honorary Fellow of the Royal College of Surgeons of England in recognition of his contribution to the training of young British surgeons. His published works contributed significantly to our understanding of the patterns of metastatic spread of cutaneous malignancies and their management.

In 1998, Professor O'Brien founded the Australian and New Zealand Head and Neck Society, a multidisciplinary society comprising of surgeons of all disciplines, radiation and medical oncologists and allied health professionals. He was President in 2004. He served on Council of the AHNS from 2005-2008. He was a founding member of the International Federation of Head and Neck Oncologic Societies, and served on its council throughout his active career.

In 2003 Professor O'Brien became Director of the Sydney Cancer Centre, based at Royal Prince Alfred Hospital and the University of Sydney, while maintaining all of his clinical, teaching and research responsibilities. He has developed a proposal to transform the Sydney Cancer Centre into a \$250 million world-class comprehensive cancer centre, supported by the Government and philanthropic funds raised by him. This dedicated Head and Neck Cancer centre will be called, "Life House – The Chris O'Brien Cancer Centre."

Professor O'Brien was diagnosed with glioblastoma multiforme in 2006 and although his initial treatment was successful, after a valiant and courageous battle, he passed away on June 4, 2009.

Professor O'Brien was widely known to the people of Australia for his many appearances on the award winning reality TV program RPA. He was made a Member the Order of Australia (AM) for his services to medicine, on Australia Day in 2005. He was to receive the highest civilian Honor, AO, (Officer of the Order of Australia), from the Prime Minister of Australia, on the Queen's Birth Day celebrations, in the first week of June, but unfortunately, he passed away, only hours before the ceremony. This Honor was bestowed upon him posthumously, and was received by Mrs. Gail O'Brien.

His book entitled *Never Say Die* depicted his personal battle with cancer and also served as an inspiration to those suffering from all forms of cancer.

In 2008, AHNS established the Professor Chris O'Brien Fund, which in part, sponsors the AHNS/ANZHNS Chris O'Brien Travelling Fellowship Award, an award to encourage international exchange of information concerning surgical science, practice, and education and to establish professional and academic collaborations and friendships. The first recipient of this award is Professor Carsten Palme and

Keynote Lectures & Symposia

the second recipient is Sandro Porceddu, MD. The International Federation of Head and Neck Oncologic Societies established "The Chris O'Brien Symposium" at its quadrennial congress, the first of which was presented in Seoul, Korea, during the 4th World Congress of IFHNOS.

Professor O'Brien, fondly called by his family and friends "Dr. Gorgeous" is survived by his wonderful wife, Gail, and their three children, Adam, Juliette and James, who dearly loved him.

If you would like to make a donation to the AHNS Chris O'Brien Fund, please go to <http://www.ahns.info/foundation/pledge.php>.

Milton J. Dance Symposium: *Optimizing Survivorship – Prevention Through Late Effects*

Join us on Tuesday, July 19, 2016 from 7:30am - 9:00am for this special symposium has been sponsored by the Milton J. Dance Center, a private not-for-profit facility in Baltimore with a long commitment to patient-centered care. This sponsorship has allowed us to invite expert guest speakers who represent the leading edge of interventional survivorship research around the world. We will focus on practical interventions that can be employed to prevent, support and reverse toxicities that have important implications for survivors of head and neck cancer.

Milton J. Dance, Jr. Biography



Through the Provision of Greater Awareness and Medical Resources, Milton "Laddie" and Jeanne shared their dream – that other cancer patients and their loved ones would see their future as an opportunity for hope and peace of mind.

In 2003, an estimated 1.3 million people in the U.S. will be given the devastating news that they have some type of cancer. About 5% of them will be told that it is cancer of the head or neck, one of the most devastating types of cancer because its effects are the most visible and even audible.

Thanks to Milton J. 'Laddie' Dance and his wife, Jeanne Vance, fewer and fewer of these individuals will face this news without hope.

While today there are many sources of support groups to aid cancer patients in their search for further education, alternative therapies, hope and comfort, over 20 years ago, when Laddie and his wife, Jeanne, discovered that he had throat cancer, there seemed to be little support available. "Back then, you went to the doctor, obtained the diagnosis, had your surgery or therapy and that was about it," explains Ms. Vance. "It seemed so cold. We felt so alone, with no recourse, no support, no hope. But we accepted it. You didn't ask any questions, you just did what you were told. The realm of our understanding of the scope of the disease, how to deal with it, and the course it could take was so limited back then. We needed more."

By nature, Laddie was a mover, a shaker and even a bit of a rabble-rouser at times, many would say. For a man who traveled in the circles of high society, politics and influential people, he was very well grounded – an enigma, several have called him. But that's what made him unique. That's what made him Laddie. He couldn't stop moving. Nothing seemed to stop or dampen his spirit and certainly not a bout with cancer, or so it seemed. Cancer has this way about it, eating away at your heart and gnawing at your soul, unless of course, you do something about it. And that's what Ms. Vance and Laddie did.

When Laddie was first diagnosed with cancer, he didn't know just how lucky he would eventually be. He didn't know that after two separate cancer occurrences, he would be completely 'cancer-free' for the next 27 years. So, while publicly he donned his high spirit and zest for life, privately he and his wife experienced the same fearful thoughts, sadness, anger and self-doubt that many cancer patients and their families do. "No one should endure these feelings alone without understanding and a helping hand," emphasizes Ms. Vance. It was these very

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same feelings of loneliness and helplessness that motivated Ms. Vance to take action in laying the groundwork for the future Milton J. Dance Jr. Head and Neck Rehabilitation Center.

After lengthy discussions with their lawyer, Lee Thomas, a noted GBMC otolaryngologist, Alvin Wenger, MD, and his head and neck surgeon, Robert Chambers, MD, an endowment was formed to fund a head and neck rehabilitation and cancer clinic. The main purpose of the endowment was to fund a center that would help educate and rehabilitate head and neck cancer patients while improving their quality of care and service. The Center still does this 23 years later.

Now directed by John R. Saunders, MD, the Milton J. Dance Jr. Head and Neck Rehabilitation Center Director, the Center has grown to serve an average of 100 cancer patients a year with a staff of 12 full- and part-time dedicated healthcare specialists. Their integrated and comprehensive approach to educate, rehabilitate and serve patients includes a core team and ancillary professionals. The core team consists of a medical director, surgeon, nurse, social worker and speech and language pathologists who provide introductory and primary care. Additionally, satellite staff utilize the expertise of respiratory and physical therapists, nutritionists, vocational rehabilitation and psychiatric services. "We're with you for life," says Linda Clarke, RN, MS, CORLN, Head and Neck Rehabilitation nurse and 20-year veteran of the Center. "We work hard to combine as many disciplines as possible — surgical, medical, and radiation oncology, dentistry, speech-language pathology, nursing, social work and much more to offer complete services to our patients." While some of the needs of head and neck cancer patients are similar to those of other disabled individuals, there are many unique problems, which call for a different approach.

According to John Saunders, MD, Center Director, "Our team of specialists at the Center work closely together to provide the highest level of coordinated services for the best possible outcome. Once their needs are identified, patients are dealt with more expeditiously through an integrated and coordinated team approach. This results in a more comprehensive rehabilitation program which includes the family, and is also timely, sensitive, customized and complementary to the patients needs."

Jeanne Vance's and Laddie Dance's dream for cancer patients to see their future as an opportunity for hope and peace of mind is realized every day by the patients at the Milton J. Dance Jr. Head and Neck Rehabilitation Center. It achieved what they set out to do: alleviate fear of the word 'cancer' as well as the disease itself.

People say you'll live a lot longer if you think positive, have fun and laugh more. This was so true of Laddie Dance who lived a full and prosperous 76 years. Last November, Laddie died of a heart attack at his home in Manalapan, Florida, and is truly missed by his family, friends, and many Baltimoreans. However, his philanthropy and personal outreach to cancer victims and their families will live on forever.

A prominent race horse auctioneer and co-owner of 2000 champion older horse, Lemon Drop Kid, Laddie Dance saw life and the world as an opportunity...time that shouldn't be wasted on feeling sorry for oneself. "This was frequently evidenced by the spirit in his voice when he called an auction and the gleam in his eye when he saw a great horse, beautiful women or fantastic business opportunity," remarks his wife Jeanne.

Laddie Dance frequently shared his vitality for life with cancer patients he met at annual head and neck rehabilitation conferences held by the Dance Center. He liked to share stories and anecdotes of his life experiences rather than dwell on things that were beyond his control. Laddie's life and philanthropy were of particular significance to Andy Szulinski, a former radio announcer for WFBR and the first patient treated at the Center. "We accidentally met on a plane coming back from the West Coast, says Mr. Szulinski." "You know how it is. When you have surgical scars, you tend to spot the same kind of scars on other people. The plane landed, Laddie came up to me and we started talking. He made me feel like I was the most important guy on earth...like somebody cared and that I wasn't alone. You'll never find a guy with a more positive attitude. He is not a quitter."

When asked if he felt his 'accidental' meeting with Laddie was a coincidence or fate, Mr. Szulinski profoundly replied, "I don't think that there are any coincidences in life. Everything happens for a reason. Coincidence is a term that people use

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when they fail to believe that there is a higher power." "Meeting Laddie was the icing on the cake," Mr. Szulinski adds. "It completed the circle for me. I had met someone who helped me recover from surgery. I was gratified and humbled through his generosity, which directly affected my recuperation process. I was particularly grateful that all of the recuperative therapies were intertwined. Knowing that I was going to have the kind of support provided to me by the Center made a huge difference to me, because there isn't a lonelier feeling on earth than finding out you have cancer. The whole caring atmosphere was like getting a package beautifully gift-wrapped. You felt like you weren't alone. The feeling you get from the Center is extremely positive, a feeling like ... we are going to beat this thing and you are going to live a normal life."

Others who knew Laddie also remember his confident and assertive attitude. "Laddie always had a remarkable presence and spirit about him. He was opinionated and firm about his beliefs. When he took a stand, he never backed down. A real man's man, he was," says Lee Thomas, Laddie's long-time friend and lawyer. "It seemed like Laddie knew everybody, thousands of people. He was well-known and thought of throughout the Baltimore-Washington region and up and down the East Coast as a racing horse expert and top-notch auctioneer."

Laddie knew horse breeds and lines better than some people know their own relatives. He was good at it because he did his homework. A 45-year employee of Fasig-Tipton, he loved and knew the art of auctioneering inside out. Auctioneering came to him naturally though, probably because his father, Milton J. Dance, Sr. was also a veteran of the profession.

Laddie had the good fortune of not having to worry about money, but he was in no way an elitist. "You'd be just as likely to see him chatting with those who cleaned the stable as the owner of the track," says Mr. Thomas. "Nor was he political. He was very clear about what he liked, and how he felt, and he didn't mince words. You always knew where you stood with him and that is probably what made him so special. What you saw, is what you got." What Baltimore's healthcare community received was the benefit of the Dance endowment's great philanthropy as well as decisive thoughts on the purpose and value offered through a head and neck rehabilitation center for cancer victims.

For this, the Greater Baltimore Medical Center is very grateful and would like to sincerely thank Ms. Vance and Laddie Dance for their philanthropy and outreach to cancer patients. We look forward to serving more cancer patients and helping them to survive and cope through stronger and better medical/social services, advanced technology, research, education and cancer maintenance programs.

Keynote Lecture



Curt Cronin

Over 16 years as a Navy SEAL, Curt deployed thirteen times and spent more than four years overseas. In that time, he honed his talent as a catalyst for transformation. Curt's passion is to engage each person, team, or organization's highest aspirations and help them connect to the hero within. He is an expert at maximizing human potential and synthesizing the strengths of a team to create unprecedented results in any context. His presentations address the art

of leadership, organizational change for the information age, and the talent of harnessing your own courage and heroism to inspire and empower individuals and teams.

During more than a decade of combat operations to eighteen countries throughout the PACIFIC and CENTCOM areas of operation, Curt led the nation's Premier SEAL assault force and maximized their effectiveness by forging unique and unlikely alliances; he transformed an offensive unit of Navy SEALs into a defensive Presidential protection unit in the midst of combat; and he single-handedly created the model for multi-disciplinary counter-terrorism operation out of a widely disparate patchwork of organizations as part of an Embassy team in the Middle East. These experiences have reinforced Curt's fundamental belief that the competitive edge for any organization in the information age is neither technology nor information; rather, it is the unparalleled power of an aligned team.

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In today's dynamic environment milliseconds make the difference between life and death, winning and losing. The speed and volume of global communications generates complex second- and third-order ripple effects for every action. Companies simply cannot address such complexities on a case-by-case basis. Rather, the organization and each individual must be aligned by a common purpose and an unparalleled belief that they can achieve their objective. Curt's expertise is in identifying and developing the talents of each member of a team and uniting them through shared ownership of the mission. He creates teams empowered to act decisively in any environment because they embody both the content and the context of the leader's vision.

Curt is a lifetime learner. In addition to co-founding Mastery Technologies, Inc. with fellow warrior and life-long friend Jay Ferraro (The Shrink), a global talent solutions firm committed to Igniting the Human Spirit to Achieve Exceptional Performance, Curt is a featured speaker on the national circuit. He graduated 5th in his class at the United States Naval Academy. He was awarded the Bronze Star with Valor, Bronze Star medal, and three Distinguished Meritorious Service Medals while serving in the U.S. Navy. He then began his entrepreneurial career with General Stan McChrystal and the McChrystal Group where he served as a managing partner in transformational consulting for two years with companies such as AOL and Hewlett-Packard. He received his MBA at a combined program from the London School of Economics, New York University's Stern School of Business, and the HEC school of Management in Paris. He is married to his wife, Julia, and has three children, Conner, Rachel, and Abby.

Keynote Lecture



Dave Williams, MD

Dafydd Rhys "Dave" Williams OC (born May 16, 1954) is a Canadian physician and a retired CSA astronaut. Williams was a mission specialist on two space shuttle missions. His first spaceflight, STS-90 in 1998, was a 16-day mission aboard Space Shuttle Columbia dedicated to neuroscience research. His second flight, STS-118 in August 2007, was flown by Space Shuttle Endeavour to the International Space Station. During that mission he performed three spacewalks, becoming the

third Canadian to perform a spacewalk and setting a Canadian record for total number of spacewalks. These spacewalks combined for a total duration of 17 hours and 47 minutes.

In 1998, Williams became the first non-American to hold a senior management position within NASA, when he held the position of Director of the Space and Life Sciences Directorate at the Johnson Space Center.

He attended high school in arber Beaconsfield, Quebec and earned a B.Sc in from McGill University, Montreal, in 1976, a master of science degree in physiology, MD, and master of surgery degrees from McGill University, Montreal, in 1983. He completed a residency in family practice in the faculty of medicine, University of Ottawa, in 1985 and obtained fellowship in emergency medicine from the Royal College of Physicians and Surgeons of Canada, following completion of a residency in emergency medicine at the University of Toronto, in 1988.

Williams received postgraduate training in advanced invertebrate physiology at the Friday Harbor Laboratories of the University of Washington. Subsequently, his interests switched to vertebrate neurophysiology when, for his master's thesis, he became involved in basic science research on the role of adrenal steroid hormones in modifying the activity of regions within the central nervous system involved in the regulation of sleep-wake cycles. While working in the Neurophysiological Laboratories at the Allan Memorial Institute for Psychiatry, he assisted in clinical studies of slow wave potentials within the central nervous system.

His clinical research in emergency medicine has included studies evaluating the initial training and skill retention of cardiopulmonary resuscitation skills, patient survival from out-of-hospital cardiac arrest, the early identification of trauma patients at high risk, and the efficacy of tetanus immunization in the elderly.

In 1988 he became an emergency physician with the department of emergency services at Sunnybrook Health Science Centre as well as a lecturer with the

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Department of Surgery at the University of Toronto. He served as a member of the Air Ambulance Utilization Committee with the Ontario Ministry of Health both as an academic emergency physician and later as a representative of community emergency physicians. In addition, he has trained ambulance attendants, paramedics, nurses, residents, and practicing physicians in cardiac and trauma resuscitation as a course director in Advanced Cardiac Life Support (ACLS) with the Canadian Heart and Stroke Foundation and in Advanced Trauma Life Support with the American College of Surgeons.

From 1989 to 1990, he served as an emergency physician with the Emergency Associates of Kitchener-Waterloo and as Medical Director of the Westmount Urgent Care Clinic. In 1990 he returned to Sunnybrook as Medical Director of the ACLS program and coordinator of postgraduate training in emergency medicine. Subsequently, he became the Acting Director of the Department of Emergency Services at Sunnybrook Health Science Centre, Assistant Professor of Surgery, University of Toronto, and Assistant Professor of Medicine, University of Toronto. He remains active in life science and space medicine research, both as a Principal Investigator and as a Co-Investigator.

In April 2008, Williams was recruited by McMaster University as physician scientist where he was the director for the new McMaster Centre for Medical Robotics at St. Joseph's Healthcare Hamilton.

On May 18, 2011, Williams became the new President and CEO of Southlake Regional Health Centre to lead the facility into becoming a full-fledged teaching and research centre.

Williams was selected by the Canadian Space Agency in June 1992. He completed basic training and in May 1993 was appointed manager of the Missions and Space Medicine Group within the astronaut program. His collateral duty assignments have included supervising the implementation of operational space medicine activities within the astronaut program and the coordination of the Canadian Astronaut Program Space Unit Life Simulation (CAPSULS) Project. In February 1994 he participated in a 7-day space mission simulation. During this CAPSULS Project he was the Principal Investigator of a study to evaluate the initial training and retention of resuscitation skills by non-medical astronauts. He was also assigned as one of the crewmembers and acted as the crew medical officer. He announced his retirement as an astronaut on 29 February 2008, effective from 1 March 2008.

NASA experience

In January 1995, Williams was selected to join the 1995 international class of NASA mission specialist astronaut candidates. He reported to the Johnson Space Center in March 1995 and completed training and evaluation in May 1996. On completing basic training, he was assigned to work technical issues for the payloads/habitability branch of the astronaut office.

From July 1998 to November 2002, Williams served as Director of the Space and Life Sciences directorate with responsibility for research in both physical and biomedical space sciences at the Johnson Space Center (JSC). With this appointment, he became the first non-American to hold a senior management position within NASA. Overall crew medical safety was one of his principal concerns, in addition to flight medical operations and JSC occupational and environmental health. His programs were directed toward protecting astronauts from the hazards of the space environment, including space radiation and microgravity, in addition to maintaining their medical, physical, and psychological well-being while aloft and on return to Earth. His other oversight responsibilities were in the fields of telemedicine, 3-D tissue culture/regeneration in microgravity, the curatorial management of extraterrestrial materials, and of qualifying humans for very long space journeys and ensuring their safe return to Earth.

Williams served as an aquanaut on the first NEEMO (NASA Extreme Environment Mission Operations) crew aboard the Aquarius underwater laboratory in October 2001. During this mission, he was thrilled to shake hands underwater with Canadian underwater explorer Joe MacInnis. Williams was originally scheduled to command NEEMO 7 in October 2004, but was replaced by back-up crewmember and fellow CSA astronaut Robert Thirsk due to Williams undergoing review of a temporary medical issue. In April 2006, Williams commanded the NEEMO 9 mission. During this eighteen-day mission, the six-person crew developed lunar surface exploration procedures and telemedical technology applications.

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Keynote Lectures & Symposiums

STS-90

Williams was mission specialist 3 on STS-90 Neurolab (April 17 to May 3, 1998). During the 16-day Spacelab flight, the seven-person crew aboard space shuttle Columbia served as both experiment subjects and operators for 26 individual life science experiments focusing on the effects of microgravity on the brain and nervous system. The STS-90 flight orbited the Earth 256 times, covered 6.3 million miles, and logged Williams over 381 hours in space.

STS-118

Williams was assigned to the crew of STS-118 (August 8 to 21, 2007), an assembly mission to the International Space Station. He completed three spacewalks during this mission, and set two new records during his final EVA on Saturday, 18 August: he is the Canadian with the most spacewalks (3); and he passed Canadian Astronaut Chris Hadfield in total EVA time. Williams ended Saturday's EVA with a total of 17 hours, 47 minutes of extravehicular time. He was the second Canadian to lead an EVA, after Chris Hadfield, who led an EVA during STS-100.

Awards and Honours

He is a member of the College of Physicians and Surgeons of Ontario, the Ontario Medical Association, the College of Family Physicians of Canada, the Royal College of Physicians and Surgeons of Canada, the Canadian Association of Emergency Physicians, the Aerospace Medical Association, the Canadian Society for Aerospace Medicine, and the Canadian Aeronautics and Space Institute. Past affiliations include the Society for Neuroscience, the New York Academy of Science, and the Montreal Physiological Society.

Williams was awarded the Commonwealth Certificate of Thanks in 1973 and the Commonwealth Recognition Award (1975) for his contribution to the Royal Life Saving Society of Canada. Academic awards include the A.S. Hill Bursary, McGill University, in 1980; the Walter Hoare Bursary, McGill University, in 1981; and the J.W. McConnell Award, McGill University, from 1981 to 1983. He was named Faculty Scholar in 1982 and University Scholar in 1983 by the faculty of medicine at McGill University. In 1983, he also received the psychiatry prize and the Wood Gold Medal from the Faculty of Medicine and was named on the dean's honor list by the physiology department, at McGill University, for his postgraduate research. He was twice awarded the second prize for his participation in the University of Toronto Emergency Medicine Research Papers Program, in 1986, and 1988, and received top honors in that competition in 1987.

Williams was made an Officer of the Order of Canada in 2013 for his work in space exploration.

Personal life

Williams was born in Saskatoon, Saskatchewan and is married to Cathy Fraser of Pointe-Claire, Quebec. They have two children, Evan (born in 1994) and Olivia (born in 1997) and a nephew, Theo (born in 2003). He enjoys flying, scuba diving, hiking, sailing, kayaking, canoeing, downhill and cross-country skiing. As his name indicates, he is of Welsh descent.

Keynote Lectures & Symposiums

Jatin P. Shah Symposium & Biography



Professor Jatin P. Shah graduated from the Medical College of MS University in Baroda, India, and received his training in Surgical Oncology and Head and Neck Surgery at Memorial Sloan Kettering Cancer Center. He is Professor of Surgery, at the Weill Medical College of Cornell University, and Chief of the Head and Neck Service, Leader of the Head and Neck Disease Management Team, and holds The Elliott W. Strong Chair in Head and Neck Oncology at Memorial Sloan-Kettering Cancer Center in New York City.

Dr. Shah is a national and international leader in the field of head and neck surgery, having served as President of The New York Cancer Society, The New York Head and Neck Society, The Society of Head and Neck Surgeons, The North American Skull Base Society and the International Academy of Oral Oncology. He is Founder of The International Federation of Head and Neck Oncologic Societies, in 1986. He currently serves as Chairman of the AJCC task force on Head and Neck. He was Chairman of the Joint Council for advanced training in head and neck oncologic surgery in the USA. He was also Chairman of the 4th International Conference on Head and Neck Cancer in Toronto in 1996. He has served in varying capacities for The American Board of Surgery, and the American College of Surgeons.

Professor Shah has been the recipient of numerous awards from various parts of the world, and is the recipient of honorary fellowships from The Royal College of Surgeons of Edinburgh, London and Australia. He holds Honorary PhD, degrees from the Catholic University of Louvain, in Belgium and the University of Athens, in Greece. He is recipient of the Blokhin Gold medal, the highest Honor in Oncology in Russia. He has been elected as an honorary member of several head and neck societies in Europe, Asia, Australia, Africa and Latin America. He has been continuously listed in the "Best Doctors in America" directories for several years. He serves on the Editorial and Review Boards of 18 scientific journals and has published over 300 peerreviewed articles, 50 book chapters and 7 books. His textbook of Head and Neck Surgery and Oncology won First Prize from The British Medical Association and The Royal Society of Medicine and was awarded the George Davey Howells Prize from the University of London, for the best published book in otolaryngology in the preceding five years.

He is a much sought after speaker who has delivered over 1,000 scientific presentations including, 59 eponymous lectures and keynote addresses, and visiting professorships in the United States, Canada, United Kingdom, Scotland, Sweden, Belgium, Germany, Italy, Spain, Poland, Russia, Croatia, Turkey, Egypt, South Africa, India, China, Korea, Japan, Hong Kong, Taiwan, Singapore, Phillipines, Australia, Argentina, Brazil, Chile, Peru, Equador, Venezula, Panama, and Mexico.

In recognition of his outstanding contributions, and World Leadership in Head and Neck Surgery, Memorial Sloan Kettering Cancer Center, has established The "Jatin Shah Chair in Head and Neck Surgery and Oncology"; The International Federation of Head and Neck Oncologic Societies has established "The Jatin Shah Lecture", at its world congresses, and the American Head and Neck Society has established the "Jatin Shah Symposium" at its annual meeting.

Guests of Honor

President's Guest of Honor



Harvey M. Tucker, MD

Harvey M. Tucker MD FACS is currently Professor of Otolaryngology/Head and Neck Surgery at Case Western Reserve University School of Medicine.

He has a B.S. In Zoology from Bucknell University and M.D. from Jefferson Medical College of Philadelphia. His Fellowship Year in Head and Neck Surgery was with Dr Joseph Ogura at Washington University of St Louis, MO.

He served as an Associate Professor of Otolaryngology At Upstate Medical Center, Syracuse, NY until he became Chairman of Otolaryngology and Communicative Disorders at The Cleveland Clinic in 1975. He continued in that position until 1993, when he became Professor of Otolaryngology at Case Western Reserve University, which position he holds to this day. He continues to practice half time at both MetroHealth Medical Center of Cleveland and the VA hospital, remaining active in the Residency program at those institutions. Although he has authored over 170 Journal articles, 45 textbook chapters, and 3 textbooks, it has been the privilege to be involved in the education of more than 135 residents and fellows that has kept him engaged in Otolaryngology for the last 45 years.

Guests of Honor

Conference Chair Guest of Honor



Patrick J. Gullane, CM, OOnt, MB, FRCS, FACS, FRACS (Hon), FRCS (Hon), FRCSI (Hon)

Dr Patrick Gullane was born in Ireland and received his medical degree from NUI-Galway, Ireland in 1970. He is a Fellow of the Royal College of Surgeons of Canada and certified by the American Board of Otolaryngology-Head and Neck Surgery. In 1975 he was selected as the McLaughlin Fellow and then pursued advanced Fellowship training in Head and Neck Oncology in Pittsburgh, and New York.

In 1978 Dr. Gullane was appointed to the Department of Otolaryngology-Head and Neck Surgery at the University of Western Ontario, Canada. He was subsequently recruited to the Department of Otolaryngology-Head and Neck Surgery at the University of Toronto in 1983. He currently holds the Wharton Chair in Head and Neck Surgery at the University Health Network and University of Toronto. In 1989 he was appointed as Otolaryngologist-in-Chief within the University Health Network and in 2002 appointed as Professor and Chair of the Department of Otolaryngology-Head and Neck Surgery, University of Toronto. In 2012 he concluded his twenty four year period as Otolaryngologist-in-Chief at the University Health Network and his second and final term as Chair University of Toronto

Dr Gullane is a member of numerous Surgical Societies, nationally/internationally and has been invited as a Visiting Professor to over 85 countries lecturing on all aspects of Head and Neck Oncology. He has delivered over 835 invited and Keynote presentations nationally/internationally including the Eugene Myers International lecture in September 2006, received the 2007 Medtronic Alumni Award from the National University of Ireland(Galway) for contributions to Health Care and Medical Science, delivered the Sir Peter Freyer Memorial lecture to the Irish Surgical Forum NUI-Galway in 2009, the John J. Conley lecture to the American Head and Neck Society in 2012, the 87th Abraham Colles lecture at the Royal College of Surgeons in Ireland in February 2012 and the Hayes Martin lecture at the 5th World Congress of IFHNOS and annual meeting of the Head and Neck Society in New York in July 2014. He was one of the six International Faculty leaders who conducted the IFHNOS Head and Neck World Tour Program in 2008. Dr Gullane has published 335 papers in peer-reviewed journals and 92 chapters in textbooks. In addition he has published 10 books on various aspects of Head and Neck Surgery. His textbook, "Head & Neck Surgery and Oncology", was awarded the George Davey Howells Prize from the University of London, cited as the best published book in Otolaryngology-Head and Neck Surgery in the preceding five years. Currently, Dr Gullane is a member of the Editorial Board of 10 Journals. He has served as President of the American Head & Neck Society, The North American Skull Base Society, President of the Canadian Society of Otolaryngology-Head and Neck Surgery and Vice President of the Triological Society. In recognition of his distinguished achievements, Professor Gullane was awarded an Honorary Fellowship of the Royal Australasian College of Surgeons in 2006, Honorary Fellowship of the Royal College of Surgeons of England in 2010 and an Honorary Fellowship in the Royal College of Surgeons of Ireland in 2012. He was elected to Fellowship in the Canadian Academy of Health Sciences in 2011 and in 2010 was appointed as a Member to the Order of Canada by the Governor General of Canada, Cited for his inspiration of young surgeons and his contributions to the field of Head and Neck Surgery. In 2014, in recognition of his outstanding contributions an endowed Chair was named in his honour at the University Health Network/University of Toronto. In February 2015, Dr Gullane was appointed as a Member to the Order of Ontario by the Lieutenant Governor of Ontario for his achievements in the field of Head and Neck Surgery. Finally, he has facilitated the establishment of four University-Hospital Chairs: Head & Neck Surgery, Reconstruction, Radiation Oncology, and Basic Science, from private funding donations in excess of \$15.5 M., with continual funding up to the present time.

Distinguished Service Award



Ehab Hanna, MD, FACS

Ehab Hanna, M.D., FACS, is an internationally recognized head and neck surgeon and expert in the treatment of patients with skull base tumors and head and neck cancer. He is Professor and Vice Chair of the Department of Head and Neck Surgery at The University of Texas MD Anderson Cancer Center in Houston, Texas. After earning his medical degree, he completed a surgery internship at Vanderbilt University, and residency in Otolaryngology-Head and Neck Surgery at The Cleveland Clinic in Cleveland, Ohio. He received advanced fellowship training in skull base surgery and head and neck surgical oncology at the University of Pittsburgh Medical Center. He joined the MD Anderson faculty in 2004 with a joint appointment at Baylor College of Medicine. He is the medical director of the Multidisciplinary Head and Neck Center and co-director of the Skull Base Tumor program at MD Anderson. Dr. Hanna recently served as President of the North American Skull Base Society (NASBS) which was founded in 1989, and is a professional medical society that facilitates communication worldwide between individuals pursuing clinical and research excellence in skull base surgery. Dr. Hanna is leading the development of minimally invasive and robotic applications in skull base surgery. He has consistently been named one of America's Top Doctors by the Castle Connolly Guide. In addition to patient care, Dr. Hanna is actively engaged in clinical and translational research with emphasis on skull base tumors. He is the Editor-in-Chief of the journal of Head & Neck, which is the official journal of the International Federation of Head and Neck Societies. He also co-edited a text book on "Comprehensive Management of Skull Base Tumors".

Distinguished Service Awards

Jatin P. Shah, MD	1989	John A. Ridge, MD, PhD	2006
Stephan Ariyan, MD	1990	Ernest A. Weymuller, Jr., MD	2007
Ashok R. Shaha, MD	1991	Helmuth Goepfert, MD	2008
Elliot W. Strong, MD	1995	Keith S. Heller, MD	2009
John J. Coleman, III MD	1999	Mark K. Wax, MD	2010
David L. Larson, MD	1999	Randal S. Weber	2011
Harold J. Wanebo, MD	1999	Ashok R. Shaha, MD	2012
Jonas T. Johnson, MD	2001	Dennis H. Kraus, MD	2013
Helmuth Goepfert, MD	2003	Jesus E. Medina, MD	2014
Marc D. Coltrera, MD	2004	Carol R. Bradford, MD	2015
Wayne Koch, MD	2005		

Special Recognition Awards

Paul B. Chyetien, MD	1984	Edgar L. Fazell, MD	1988
John M. Lore, Jr., MD	1985	Harvey W. Baker, MD	1989
William S. MacComb, MD	1986	Vahram Y. Bakamjian, MD	1991
Calvin T. Klopp, MD	1987	Jean-Louis Lefebvre, MD	1995

Presidential Citations



Mike S. Benninger, MD

Dr. Michael S. Benninger is the Chairman of the Head and Neck Institute at The Cleveland Clinic and is a Professor of Surgery at the Cleveland Clinic Lerner College of Medicine of Case Western Reserve University. The Head and Neck Institute comprise the specialties of Otolaryngology, Audiology, Speech and Language Sciences, Oral Surgery and Dentistry.

In addition to his work at the hospital, Dr. Benninger has been very involved in Regional, National and International medical organizations. He is the President of the International Association of Phonosurgery, is the Treasurer of the American Broncho-Esophagological Association and Vice-President and a member of the Board of Directors of the Voice Foundation. He served on the Board of Directors of the American Academy of Otolaryngology-Head and Neck Surgery (AAO-HNS) for 12 years, having been a former Vice President and Chairman of the Board of Governors of that organization. He is also a Past-President of the American Laryngological Association, American Rhinologic Society and the Michigan Oto-Laryngological Society. He is the former Editor-in-Chief of the Journal, Otolaryngology-Head and Neck Surgery, which is the largest peer-reviewed journal in the world for that specialty. He has served on the Residency Review Committee for Otolaryngology and as a member of the Medical Advisory Board for WebMD. He is the Past-Chairman of the Steering Committee for the Sinus and Allergy Health Partnership.

Dr Benninger has authored or edited 8 books, including his most recent books, "The Performers Voice" and "Classics in Rhinology". He has 2 additional books in press. He has also has written over 75 book chapters and over 190 scientific articles, focusing primarily on voice care and laryngology, nasal and sinus disease and health care management. He has lectured extensively across the country and throughout the world.

A graduate of Harvard University, Dr. Benninger received his medical degree from Case Western Reserve University in Cleveland, Ohio. He completed his residency at the Cleveland Clinic Foundation.



John Coleman, MD

John J. Coleman III was born in Boston, Massachusetts in 1947. He attended Thayer Academy in Braintree, Massachusetts and Harvard College where he was awarded a Bachelor of Arts degree cum laude in Latin and Greek in 1969. He graduated from Harvard Medical School in 1973 and moved with his wife and two children to Atlanta to begin training at Emory University Hospital. He completed the General Surgery Residency under W. Dean Warren MD in 1978

and Plastic Surgery Fellowship under Maurice Jurkiewicz MD, past president of The Society of Head and Neck Surgeons in 1980. After completing a Surgical Oncology Fellowship at the University of Maryland and The Baltimore Cancer Research Center under the direction of E. George Elias, Dr. Coleman joined the Faculty of Emory University School of Medicine with joint appointments in Surgical Oncology and Plastic Surgery. During his tenure at Emory Dr. Coleman was awarded the Wadley Glenn Chair in Surgery and served as Chief of Plastic Surgery at the Atlanta Veterans Administration Medical Center as well as practicing in The Winship Clinic, the Division of Neoplastic Surgery at Emory. In 1991 Dr. Coleman was appointed Professor of Surgery and Chief of the Division of Plastic Surgery at Indiana University School of Medicine. During his twenty-five years tenure at Indiana, Dr. Coleman was Program Director for the Plastic Surgery Residency. He also served as Chief of Plastic Surgery at the Richard Roudebush Veterans Administration Medical Center in Indianapolis making his tenure as Chief at the VAMC a total of thirty six years. Dr. Coleman retired from active clinical practice on December 31, 2015.

Early in the 1980's Dr. Coleman realized that free tissue transfer was an enormous step forward in the reconstruction of patients with head and neck cancer as well as neoplasms in other sites. His academic career focused on clinical research and practice in cancer treatment and microsurgical technique. His publications include early information on the jejunal free flap, orbitomaxillofacial reconstruction with free-tissue transfer, the platysma musculocutaneous flap, the interaction of radiotherapy and surgery and complications of surgery and reconstruction of

Presidential Citations

the head and neck and elsewhere. Throughout his career he maintained an active practice and research interest in extirpative and reconstructive surgery of cancer.

Dr. Coleman served on many committees of the Society of Head and Neck Surgeons including the Ad Hoc Committee on Amalgamation and as Site Visitor for the Fellowship Training Committee. He continued in the New American Head and Neck Society serving as President in 2005. He has been active in the American Cancer Society, the American College of Surgeons and numerous other national and regional medical Societies. He has been Chairman of the American Board of Plastic Surgery, Chairman of the Residency Review Committee for Plastic Surgery, President of the Ohio Valley Society of Plastic Surgeons, President of the North American Burn Society and the President of the Southern Surgeons Club.

In 1966 John Coleman married Janice Ann Bianco. They have four children, Angela Lee Munshi, John J. Coleman IV, Maria Clarke English and Patrick Carmine Coleman and eight grandchildren. He will be missing his first International Conference on Head and Neck Cancer and the Presidency of his friend Dennis Kraus because on July 15th Janice and he will be celebrating their Fiftieth Wedding Anniversary with family and friends.



Maradalia De La Cruz, RN

Maradalia De La Cruz emigrated to the United States from her native Dominican Republic in April 2005 before enrolling in ASA College five months later. There she gained an Associate Degree as a Medical Assistant.

Not totally satisfied she had realized her full academic achievements, Maradalia enrolled at Hunter College in 2012 to pursue a Bachelor of Science degree in Nursing, which she is close to completing.

Maradalia joined the New York Head and Neck Institute of Northwell Health in 2011 as a Clinical Assistant. Six months later she earned a promotion as a Surgical Coordinator for Dr. Dennis Kraus, Director of the New York Head and Neck Institute, Center for Head and Neck Oncology; Northwell Health Cancer Institute, where she is presently excelling in that position.



Diana Desiova, NP

Diana Denisova is Nurse Practitioner with Dr. Dennis Kraus who is Director for the Head and Neck Oncology within NY Head and Neck Institute and the Northwell Health Cancer Institute. Diana Denisova started her employment under collaborative agreement with Dennis Kraus in 2014 and currently assisting Dr. Kraus in managing patient's care in ambulatory care setting by addressing patient's clinical needs, as well as providing education pre and post operatively.

Diana Denisova is an RN and also holds MS in Nursing and licensed as an Adult and Gerontological NP, board certified by American Nursing Credentialing Center. In 2015, shortly after starting her employment with Dr. Kraus, Diana joined Society of Otorhinolaryngology and head and neck nurses, attended annual conference in Dallas 2015, completed scoping class and is currently working towards certification in the area. Diana Denisova has interest in head and neck surgery, gerontology, and oncology as well as in research and currently serves as co-investigator in a clinical trial in the area of Head and Neck Cancer.

Diana Denisova immigrated to the US at the age of 21 from Belarus, Minsk shortly after completing her undergraduate degree in Linguistics from Minsk State Linguistic University. After completing her nursing degree in New York City College of Technology, Diana Denisova started her career as staff RN in Lutheran Medical Center in a progressive care unit that included respiratory step down, medical ICU step down and telemetry areas. During 8 years of her employment, Diana worked towards and received certification in medical surgical nursing by ANCC via examination and completed graduate degree in nursing. She was wound champion on the unit and often served as charge nurse. In 2014 Diana received Daisy foundation award for outstanding patient care and education.

Currently Diana is married and resides with her spouse Isaac and two young daughters Ariel and Chloe in Fishkill, NY

Presidential Citations



Yvonne Estepa

Yvonne Estepa is a certified surgical technician at Northwell Lenox Hill & Memorial Sloan Kettering Cancer Center. She has been a surgical tech for 11 years. She is a single mother of 4 beautiful amazing sons and her work ethic is her legacy to them. Yvonne cares for her patients as she would her own children especially experiencing first hand, her oldest son's journey through cancer treatment and survivorship. She strives to provide the best support and experience she can in care for the patient during surgery. She enjoys learning and is always looking to improve and expand her surgical knowledge.



Doug Frank, MD

Douglas K. Frank, MD, FACS is the Director of Surgical Oncology of the Northwell Health Cancer Institute, as well as Associate Chair of the Department of Otolaryngology and Chief of the Division of Head and Neck Surgery at Long Island Jewish Medical Center. He is an Associate Professor of Otolaryngology, Surgery, and Molecular Medicine at the Hofstra Northwell School of Medicine.

Dr. Frank received his medical degree from the University of Pennsylvania School of Medicine. He received his General Surgery training at St. Vincent's Hospital and Medical Center of New York, followed by Otolaryngology-Head and Neck Surgery training at the New York Eye and Ear Infirmary. Dr. Frank then went on to complete a fellowship in Head and Neck Surgical Oncology at the University of Texas MD Anderson Cancer Center, where he was also chosen as their first T32 Research Fellow. As a result of his research, Dr. Frank was the recipient of the American Society for Head and Neck Surgery Basic Science Research Award, as well as the American Head and Neck Society Clinical Science Research Award.

Upon completion of fellowship training, Dr. Frank returned to New York City to continue his role as a physician scientist, joining the Institute for Head and Neck and Thyroid Cancer at Beth Israel Medical Center and Continuum Health Partners. His laboratory focused on apoptotic signaling and intercellular communication in head and neck cancer. In 2007, Dr. Frank joined the team at Northwell Health (formerly Nthe North Shore-Long Island Jewish Health System). In addition to his clinical head and neck surgical oncology practice, Dr Frank is presently involved in clinical leadership and academic program building at Northwell, one of the largest health care systems in the United States.

Dr. Frank lives in Rockaway Beach, New York with his wife, Jane Garfield Frank, and their three sons, Jonathan, Gabriel, and Daniel.



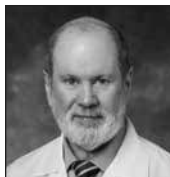
Evangeline Garzon

Evangeline Garzon is the Executive Assistant to Dr. Dennis Kraus, Director, Center for Head & Neck Oncology, New York Head & Neck Institute, Northwell Health Cancer Institute and Professor of Otolaryngology at the Hofstra Northwell School of Medicine. As executive assistant Evangeline provides executive-level assistance to all tasks presented, as she is responsible for calendar maintenance, preparation of correspondence and technical presentations, coordination of travel arrangements, expense statements, facilitation of meeting arrangements, processing of visit requests and monitoring all actions and signature items. In addition, as an Executive Assistant Evangeline has represented and coordinated the New York Head & Neck Institute Exhibit at the AAO-HNSF Otolaryngology & Exhibit meetings for the past three years.

Evangeline's tenure of 11 years at Northwell Health, formally known as North Shore-LIJ Health System has contributed to her extensive knowledge of business and operational procedures and guidance with in a health care system. Starting off as a unit clerk on a medicine unit to the C-Suite of Hospital Administration Evangeline takes pride in all that is done and that is placed in her path and provides nothing but 100%.

On a personal level, Evangeline enjoys playing the piano and violin in spare times, is an active member of the Westbury United Methodist Church and enjoys her days with her fiancé Anthony Reyes and all of her family in New York.

Presidential Citations



Pierre Lavertu, MD

Pierre Lavertu was born in Val-D'Or, Québec, Canada on July 11, 1952. He is married to Christiane and together they have 3 children, Stephane, Philippe, and Catherine. He grew up in Québec and did his medical school at the University of Montréal. This was followed by a residency in otolaryngology and a fellowship in head and neck surgery at the same institution. He then did a year of fellowship in head and neck surgery at the Cleveland Clinic Foundation under the tutelage

of Harvey M. Tucker M.D. following which he worked for 3 years at Notre-Dame Hospital in Montréal. He then returned to the United States and the Cleveland Clinic in 1986 where he eventually became the head of the section of Head and Neck surgery in addition to serving as vice-chairman and acting chairman. In 1998 he joined University Hospitals Case Medical Center as the Director of Head and Neck Surgery and Oncology. He now serves as the vice chairman of academic affairs for the Ear, Nose, and Throat Institute in the Department of Otolaryngology Head and Neck Surgery. He is the medical director of the surgical oncology floor at the Seidman Cancer Center. He is a professor of Otolaryngology and Oncology at Case Western Reserve University in Cleveland.

He has spent his entire career treating head and neck cancer patients. Very shortly after he joined the Cleveland clinic he fostered the need for multidisciplinary care of head and neck cancer patients. He was instrumental in creating the multidisciplinary tumor board at both institutions and building active head and neck oncology programs serving as leading regional referral centers. One of his landmark contributions to the field happened very early on when he developed a close working relationship with medical oncologist David Adelstein and radiation oncologist Jerold Saxton. Together they developed the first regimen of concurrent chemotherapy and radiation as we know it today. He has authored more than 100 publications mainly related to the treatment of head and neck tumors and cancers. He also has delivered more than 200 lectures related to the same topic.

He is a member of numerous otolaryngology societies and has served on many committees for most of these societies. He has served twice as a council member of the American Head and Neck Society. He was part of the group that merged the Society of Head and Neck Surgeons with the American Society for Head and Neck Surgery to create the AHNS back in 1998. He has been a reviewer for many journals and has been on the editorial board of 3 major journals. He continues to be actively devoted in many areas that relate to the advancement of the care provided and the research dedicated to head and neck cancer patients. In addition to his family and his work he enjoys the game of curling during the winter and is an avid gardener during the summer.



Nancy Leupold

Twenty-five years ago this September 2016, nine patients with oral, head, and neck cancer gathered in a circle to share their cancer experiences. From that small core of nine survivors grew the organization we know today as SPOHNC (Support for People with Oral and Head and Neck Cancer).

SPOHNC, (pronounced spunk), is a patient-directed not-for-profit organization that addresses the broad emotional, psychological, and humanistic needs of oral and head and

neck cancer patients. Throughout her 25 years with SPOHNC, Nancy has served as a member of the Coordinating Panel of the National Oral Health Information Clearing House (NOHIC), as a member of the Forum Planning Committee of the Patients Advocates Forum sponsored by NIDCR, and as a member of the Radiation Oncology Group (RTOG) and the RTOG Head and Neck Cancer Committee, and was instrumental in the development of the publications mentioned above.

In 2002, Nancy was honored to receive an AHNS Presidential Citation from Dr. Keith Heller. In 2011, she was selected to receive the Head and Neck Cancer Hall of Fame Award, "Patient of Achievement" at Gin & "Satch" Sanders Gala Sneaker Ball, benefiting the Dana Farber Cancer Institute's Head and Neck Cancer Research Program. And in 2012, Nancy was inducted into The Long Island Volunteer Center's Hall of Fame and received recognition for her advocacy in health.

Nancy has been married for more than fifty years, and is recently widowed. She has three daughters and six grandchildren. Her three daughters are all involved in the field of healthcare.

Presidential Citations



Drew Ridge, MD, PhD

John Andrew "Drew" Ridge was born in 1950. After attending the University of Chicago he received the Ph.D. in Biochemistry from Stanford University in 1978 and the M.D. in 1981. He pursued training in General Surgery at the University of Colorado and Surgical Research and Surgical Oncology fellowships at Memorial Sloan-Kettering Cancer Center.

He was Assistant Professor in Residence at the University of California at San Francisco before moving to the Fox

Chase Cancer Center in Philadelphia when presented with an opportunity to limit his practice to head and neck oncology. Currently, he is the first incumbent to the Louis Della Penna Family Chair in Head & Neck Oncology, Vice-Chair of the Department of Surgical Oncology, Chief of the Head & Neck Surgery Section, and Professor of Surgical Oncology, Molecular Therapeutics, and of Otolaryngology – Head & Neck Surgery. He loves to teach. A surgical oncology fellowship position has been endowed in his name.

Dr. Ridge has devoted his academic career to multidisciplinary treatment of head and neck cancer, with a strong commitment to clinical research. He has been influential in the design and execution of several clinical trials evaluating "organ preservation," the non-surgical management of advanced squamous cancers of the head and neck. Having served many federal advisory groups, including NCI Program Project Grant review panels, Special Emphasis Panels for the National Institute of Dental and Craniofacial Research (NIDCR), the NIH/NCI Institutional Review Group SPORE committee, and head & neck cancer "think tanks" for the NCI and NIDCR, he has also been as a member of several CTEP committees.

He co-chaired two Clinical Trials Planning Meetings: one for HPV-related head & neck cancer and one for Transoral Resection of Oropharynx Cancer. Both gave rise to cooperative group trials. A former ECOG Head & Neck Committee Co-Chair and member of the RTOG Head & Neck Steering Committee, he served as Co-Chair of the CTEP Head and Neck Steering Committee. Currently, he is Co-Chair of the Surgical Oncology Committee of the NRG Cooperative Group.

Dr. Ridge has been a member of the NCCN Head and Neck and Thyroid panels since their inception and has been a writing member of both committees as well as the AJCC 8th Edition Cancer Staging Committee for head & neck and thyroid cancers. He has been a Governor of the American College of Surgeons.

After they met at Sloan-Kettering, he married Elin Sigurdson in 1989. A prominent academic surgical oncologist interested primarily in colorectal cancer, she too works at the Fox Chase Cancer Center. Their son, Lukas, and twin daughters, Kelsey and Hannah, have interests in politics and the visual and dramatic arts. A fencer, Drew holds an "A" classification in Epee and competes internationally. He has been a member of seven US Fencing Association Veteran World Championship Teams with respectable results on the World Cup circuit. Though he enjoys the Rockies, his knees no longer tolerate heliskiing.

Active in many professional organizations, he is a past-president of the American Head and Neck Society.



Dave J. Terris, MD, FACS, FACE

Dr. Terris is Regents Professor and Surgical Director of the Thyroid Center at Augusta University.

He went to college at Cornell, medical school at Duke, and did his residency and fellowship at Stanford. He then joined the faculty at Stanford and was promoted to Associate Professor with tenure. In 2002 he was recruited to Georgia to become Chairman of the Department of Otolaryngology at Augusta University, a post he held for 12 years.

Dr. Terris is a pioneer in robotic and minimally invasive thyroid surgery and has a busy clinical practice that is limited to thyroid and parathyroid surgery. He has edited 6 books and authored more than 200 publications, with most devoted to thyroid and parathyroid topics.

He is currently on the council of the American Head and Neck Society, an elected member of the Board of Georgia AACE, a member of the Otolaryngology RRC, Vice President of the Southern Section of the Triological Society, past-Chair of the Endocrine Committee of the AHNS, past-Chair of the Otolaryngology Advisory Council of the ACS, and Past-President of the Georgia Society of OHNS.

Presidential Citations



Greg Weinstein, MD

Dr. Weinstein has been faculty at the University of Pennsylvania since 1991 and is the founding member and Co-Director of the Penn Center for Head and Neck Cancer, which is an internationally renowned multidisciplinary team for the management of all aspects of care of patients with head and neck cancers. Dr. Weinstein is a graduate of the Otorhinolaryngology- Head and Neck Surgery residency program at the University of Iowa. Following his residency he completed an American Head and Neck Society fellowship in Head and Neck Oncologic Surgery. In addition he has worked on by John Conley's service in New York as well as Henri Laccourreye's service in Paris and has published with them both. Dr. Weinstein's clinical expertise is in the head and neck surgery including all aspects of cancer surgery of oral, pharyngeal, laryngeal and neck cancer as well as special expertise in thyroid and parotid surgery. Dr. Weinstein has an international reputation for expertise in organ preservation for cancers involving the larynx. Dr. Weinstein was the first surgeon in the United States to perform the larynx preserving surgery, the Supracricoid Partial Laryngectomy, and has been the primary instructor of this procedure nationally and has reported on the largest American series of this procedure. Dr. Weinstein, together with Dr. Bert W. O'Malley, Jr. established the world's first research program in TORS. Through a multi-tiered research program, beginning with airway mannequins, and progressing through cadaver and animal models, numerous novel head and neck and skull base procedures were invented utilizing the da Vinci surgical system. Dr. Weinstein was Principle Investigator for the world's first Institutional Review Board approved human trial in Transoral Robotic Surgery (TORS). TORS utilizes the da Vinci surgical system to resect benign and malignant lesions of the oral cavity, pharynx, larynx and skull base. Approximately 1000 patients have undergone TORS at the University of Pennsylvania, to date. Prior to FDA clearance for use of TORS in the United States Drs. Weinstein and O'Malley established the International TORS training program in which participants attend a clinical observership, cadaver robotic laboratory at the University of Pennsylvania. This program has resulted in the establishment of active TORS clinical programs in numerous countries including Belgium, England, Denmark, France, Italy, Brazil, Korea, Hong Kong, Singapore, Spain, The Czech Republic, Turkey as well as others. Following FDA clearance the training program at the University of Pennsylvania was expanded to include American surgeons. To date approximately 400 post-graduate American Head and Neck Surgeons have participated in the TORS training program at the University of Pennsylvania. His important work in the area of voice box preservation in the face of laryngeal cancer and TORS resulting in his being honored, on two separate occasions, with The University of Pennsylvania Health System Award of Excellence Luigi Mastroianni Clinical Innovator Award. Dr Weinstein is the author of over 150 peer reviewed medical articles. His books entitled *Organ Preservation Surgery for Laryngeal Cancer* and *Transoral Robotic Surgery* provide comprehensive and practical guides for clinicians in each of these surgical areas. Dr. Weinstein was a founding member and the first president of the Society of Robotic Surgeons, which at present has a membership of over 800 surgeons and is a vibrant, academically productive and financially stable organization. He has been Principal or Co-Principal investigator on multiple research grants. Between 1993 and 2016, Dr Weinstein has given over 125 invited international and national lectures.

Research and Best Paper Awards

2016 AHNS Research Award Grants

AHNS/AAO-HNSF Translational Innovator Combined Award

Matthew E. Spector, MD

Institution: University of Michigan

Proposal: *Predictive Biomarkers and Targeted Therapy in Recurrent Laryngeal Cancer*

AHNS/AAO-HNSF Young Investigator Combined Award

Jessica Moskovitz, MD

Institution: University of Pittsburgh

Proposal: *Enhancing cetuximab efficacy by checkpoint inhibition in HNSCC*

AHNS Alando J. Ballantyne Resident Research Pilot Grant

Paul Zolkind, MD

Institution: Washington University in St. Louis School of Medicine

Proposal: *Preclinical Model for a Genomics-Driven Personalized Vaccine in Oral Cavity*

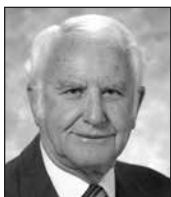
AHNS Pilot Grant

Sufi Thomas, Ph.D.

Institution: University of Kansas Medical Center Research Institute

Proposal: *Role of tumor-associated fibroblasts in head and neck cancer metabolism*

Alando J. Ballantyne Resident Research Pilot Grant



Alando J. Ballantyne, MD

Alando J. Ballantyne, M.D., a giving teacher, dedicated surgeon, and a devoted husband and father, is memorialized by the Alando J. Ballantyne Resident Research Pilot Grant. This award, in the amount of \$10,000, is for the best grant application by a resident.

Alando, known simply as Jay, grew up in a loving Mormon home that taught him the values of family, excellence, integrity and hard work. Jay graduated Phi Beta Kappa from the University of Arizona and was then awarded a scholarship to Columbia Medical School. During World War II, Jay served as an army captain and medical doctor and had the good fortune to meet his wife, Maria, in San Antonio. In 1947, Dr. Ballantyne became the first resident at the new M.D. Anderson Hospital in Houston. After his year-long residency, he went for further training at the Mayo Clinic in Rochester, Minnesota. He returned to the Anderson staff in 1952, where he quickly advanced from Assistant Surgeon in the Head and Neck Service to Associate Surgeon, and then from 1974 until his retirement in 1994, held the title of Surgeon and Professor of Surgery in the Department of Head and Neck Surgery as well as the title of Ashbel Smith Professor.

Dr. Ballantyne is credited as the first surgeon in the United States to pioneer modified radical neck dissection. His contributions to his subspecialty, the result of an undying curiosity and uncanny powers of observations, have been published in numerous scientific papers and book chapters. Jay lectured at local, national, and international forums and loved his travels. He held memberships in many

Research and Best Paper Awards

distinguished medical and surgical societies and served as President and Hayes Martin Lecturer of the Society of Head and Neck Surgeons and President of the Texas Surgical Society.

To honor the contributions of this world-renowned surgeon, the Cynthia and George Mitchell Foundation established the Alando J. Ballantyne Distinguished Chair in Head and Neck Surgery at the University of Texas M.D. Anderson Cancer Center.

Dr. Ballantyne's contributions to the subspecialty of Head and Neck cancer surgery have been the result of an undying curiosity and uncanny powers of observation. He was the father of conservative surgery, removing the cancer while preserving the function. He had a relentless desire to eradicate his patients' disease, yet was able to balance this fervor with a desire to maintain quality of life for all his patients.

Always an advocate of reconstruction and preservation of cosmesis as well as function, those fortunate enough to have worked with him and been taught by him are forever indebted to his wisdom, surgical expertise, and devotion to his patients. He was beloved by his patients, admired by his peers and idolized by his family.

The Alando J. Ballantyne Resident Research Pilot Grant is funded by the generous contributions of members of the Ballantyne family, including Dr. Gilchrist L. Jackson, a respected member of the American Head and Neck Society.

Christopher O'Brien Traveling Fellowship Award



Martin D. Batstone, MBBS, BSc (Hons), MPhil(Surg), FRACDS (OMS), FRCS (OMFS)

Martin Batstone was a graduate of the Queensland Maxillofacial Surgery Training Program in 2004. He then spent three years in Liverpool at the Mersey Regional Head and Neck Cancer Centre as the Head and Neck Fellow. His current position is a Senior Staff specialist at the Royal Brisbane and Womens Hospital and Director of the Maxillofacial unit. He chairs the Regional surgical committee which supervises

training in Queensland and co-ordinates the College exams annually. He is the Vice President of the Australian and New Zealand Head and neck cancer society. His main clinical interests are surgical management of oral and oropharyngeal cancer, skin cancer and microvascular reconstruction.

Robert Maxwell Byers Biography



Robert Maxwell Byers

The Robert Maxwell Byers Award, in the amount of \$1000, is for the best clinical or basic science research paper submitted for presentation at the annual meeting of the American Head and Society.

Robert Maxwell Byers, M.D. was born in Union Hospital, Baltimore, Maryland on September 24, 1937. He grew up on the Eastern Shore of Maryland in the small town of Elkton.

Very active in the varsity sports of baseball, basketball and track during his high school years, he continued his athletic participation at Duke University along with his pre-med studies. He entered the University of Maryland Medical School in Baltimore in 1959. where he excelled in his medical studies and received membership in AOA and the Rush Honor Medical Society. The highlight of his sophomore year was his 1961 marriage to Marcia Davis, a high school sweetheart. During his junior year, he was commissioned an Ensign in the United States Naval Reserve and later rose to the rank of Captain in 1986.

In 1963, Dr. Byers begin his general surgical residency with Dr. Robert Buxton at the University Hospital in Baltimore. Five years later, as a fully trained general surgeon, he went to the Republic of Vietnam with the 1st Marine Division where he received a unit commendation medal and a combat action ribbon. On return to the United States, he spent a year at Quonset Point, Rhode Island Naval Hospital as Chief of Surgery. In 1969, he was certified by the American Board of Surgery. After discharge from the Navy in 1970, Dr. Byers and his family moved to Houston, Texas where he began a fellowship in Surgical Oncology at the University of Texas M.D. Anderson Cancer Center under the guidance of Drs. R. Lee Clark, Richard

Research and Best Paper Awards

Martin, Ed White, William MacComb, Richard Jesse and Alando J. Ballantyne. This move proved to be a decisive event, as he never left. His career in Head and Neck Surgical Oncology was born, nurtured, and matured during the 31 years of his academic/clinical practice at the University of Texas M.D. Anderson Cancer Center.

During his tenure at M.D. Anderson Cancer Center he rose through the ranks from Assistant Professor in 1972 to Associate Professor in 1976 and, finally, Professor and Surgeon in 1981.

In 1998, he was honored with the Distinguished Alando J. Ballantyne Chair of Head and Neck Surgery. He is the author or co-author of over 200 published papers, book chapter and monographs. He has given invited lectures all over the world.

Most recently (1999), he was selected to give the Hayes Martin Memorial Lecture at the 5th International Conference on Head and Neck Cancer. He has been President of the American Radium Society and President of the Society of Head and Neck Surgeons both in 1995 – 1996. His research interests and his expertise have been focused on cancer of the oral cavity, head and neck cancer in young people and treatment of the neck involved with metastatic cancer with a particular interest in various neck dissections. Dr. Byers is a member of many prestigious societies, of which the Southern Surgical Association, the Texas Surgical Society, the American College of Surgeons and the Society of Surgical Oncologists are but a few. He is a peer reviewer for many medical journals and on the Editorial Board of three.

During his 31 years at the University of Texas M.D. Anderson Cancer Center, he has participated in the surgical education of over 300 residents and fellows, many of who have gone on to become prominent members of the specialty. The youth community of Houston has benefited from his coaching expertise in baseball and basketball while he has indulged in the hobbies of hunting, travel, and collecting toy soldiers.

Congratulations to our Best Paper Award Winners for the 9th International Conference on Head and Neck Cancer!

– Robert Maxwell Byers Award –

Chang-Han Chen, MD

Institution: Institute for Translational Research in Biomedicine

– Best Resident Clinical Paper –

Michelle Chen, MD

Institution: Stanford University School of Medicine

– Best Resident Basic Science Paper –

Moran Amit, MD

Institution: MD Anderson Cancer Center

– Best Prevention & Early Detection Paper –

Chwee Ming Lim, MD

Institution: National University Health System Singapore

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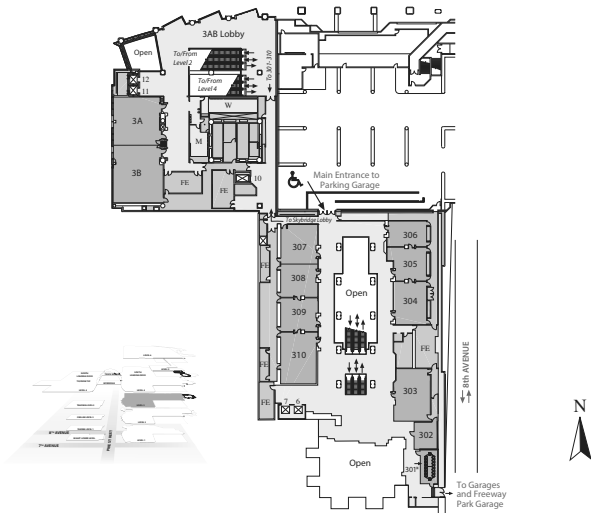
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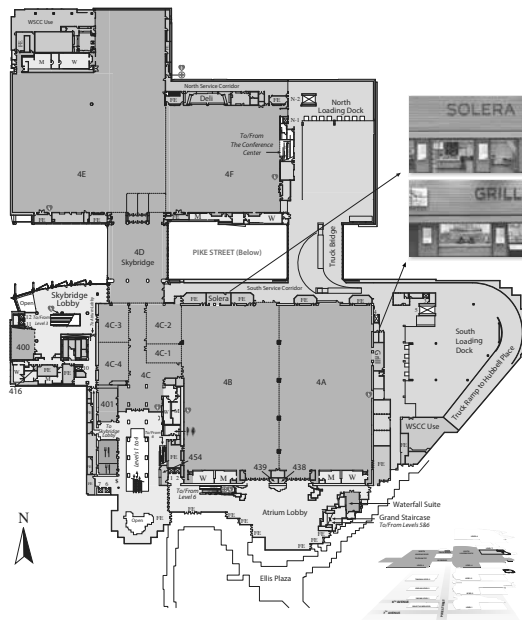
IRX Therapeutics

Washington State Convention Center Floorplans

Level Three Meeting Rooms



Level Four Exhibition Halls



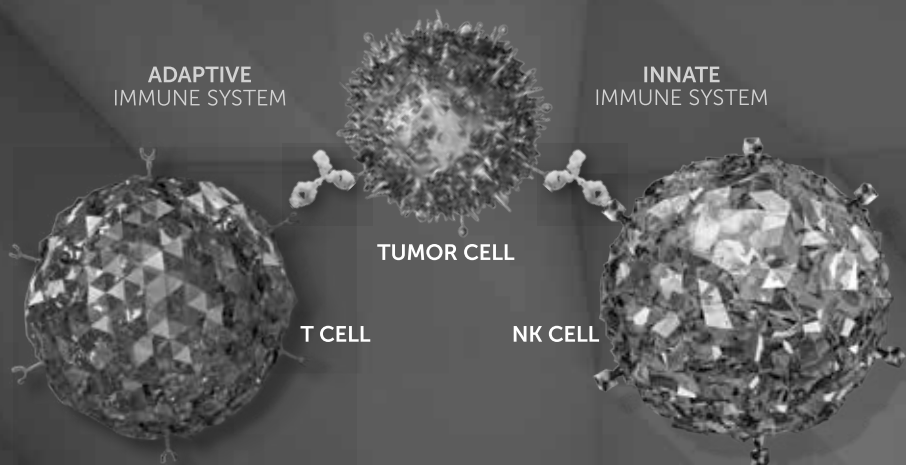
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See page 9 for more details.**

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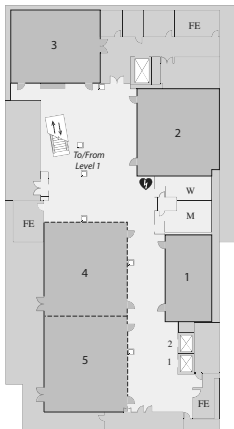


Merck KGaA
Darmstadt, Germany

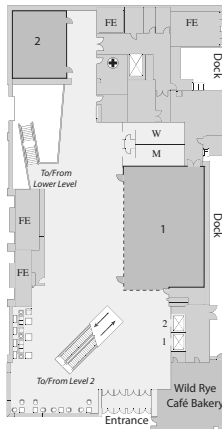
Washington State Convention Center Floorplans

The Conference Center

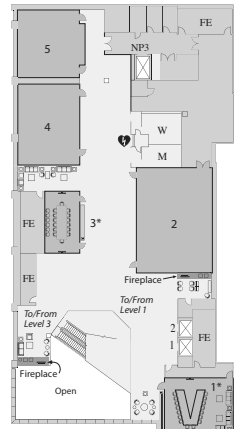
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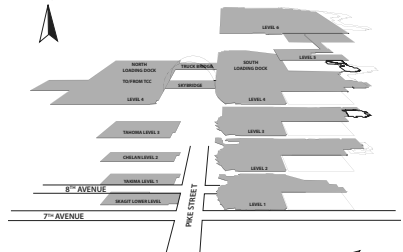
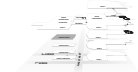
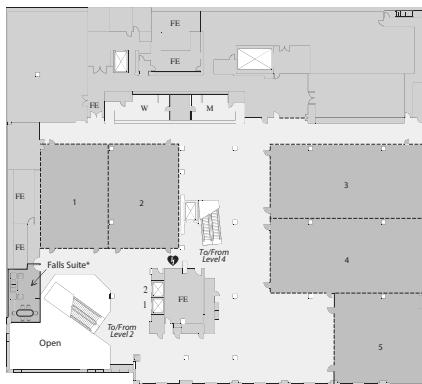
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Chelan Level Two



Tahoma Level Three



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Industry Satellite Symposia 2016

These presentations are planned and presented by our corporate colleagues. AHNS does not take responsibility for the content.

These sessions are non-CME activities.

Sunday, July 17, 2016

6:30 am - 7:45 am **Medrobotics**

Room 4C-3

Flexible Robotic Surgical System for Oropharynx, Hypopharynx and Larynx

**Speakers: Dr. Umamaheswar Duvvari,
Dr. David Goldenberg, Prof. Stephan Lang and
Prof. Marc Remacle**

The Flex® Robotic System is the world's first commercially available flexible robotic surgery platform. Designed specifically for otolaryngology, the System allows surgeons to navigate around anatomy with a flexible, shapeable robotic scope equipped with high-definition vision. Once positioned, the scope becomes rigid and allows the surgeon to operate with flexible instruments in hard-to-reach, confined spaces. Surgeons from around the world will discuss their experiences using the Flex® Robotic System for transoral procedures in the oropharynx, hypopharynx, and larynx.

Monday, July 18, 2016

6:00 am - 7:15 am **Intuitive Surgical**

Room 4C-2

Innovations in Robotic Surgery - Intuitive Breakfast Symposium - Dedicated to Technological Excellence

**Speakers: Drs. Chris Holsinger, Eric J. Moore and
Gregory S. Weinstein**

This session will discuss:

- The latest innovations in TOS
 - Updates of robotic clinical trials
 - Upcoming Technology
 - Exclusive footage/Experiences from preclinical studies
-

6:00 am - 7:15 am **Medtronic**

Room 4C-4

State-of-the-Art Neural Monitoring 2016

Gregory Randolph, MD, FACS, FACE Clair & John Bertucci Chair in Thyroid Surgical Oncology, Harvard Medical School; Richard J. Wong, MD, FACS Chief Surgeon Head & Neck, Memorial Sloan Kettering Cancer Center; and Catherine F. Sinclair, M.D., FRACS, Attending Surgeon Head & Neck Oncology, Mount Sinai West, New York, host a practical case management discussion. A preview of the latest yet unpublished International Neural Monitoring Study Group's latest guidelines is highlighted, along with C-IONM of the vagus nerve to detect signs of stress on the RLN, SLN nerve monitoring, and patient outcomes. Audience members encouraged to bring their tough case questions for discussion.

Industry Satellite Symposia 2016

7:00 pm - 8:15 pm **Astra Zeneca**

Room 4C-3

Building Upon the PD-1/PD-L1 Axis: New Targets in Immuno-Oncology (IO), Rationale for Investigating Combinations, and Advanced Squamous Cell Carcinoma of the Head and Neck (SCCHN)

Targeting the ligands and receptors that comprise the regulatory checkpoints exploited by malignancies to evade immune response is a promising investigational strategy in many tumor types, including SCCHN. With increased understanding of T-cell pathways, not only have new avenues for investigation been identified, but opportunities have also emerged for considering the crosstalk between pathways, in order to expand the potential for IO. This presentation aims to educate on the targets for IO, the rationale for combination IO therapy, and the potential role of IO in SCCHN.

Speaker:

Ezra Cohen, M.D., Professor, Division of Hematology/Oncology, Department of Medicine, Associate Director for Translational Science, UC San Diego Moores Cancer Center, Co-leader, Solid Tumor Therapeutics Program

Tuesday, July 19

5:15 pm - 6:30 pm **Bristol-Myers Squibb**

Room 4C-3

Immuno-Oncology: Emerging Research in Head and Neck Cancers

This session will:

- Review unmet needs in the current treatment landscape of H & N cancer
- Provide an overview of the immune system's role in SCC H & N cancer
- Increase awareness around emerging research and immune-related targets in SCC H&N

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Schedule at a Glance

Saturday, July 16, 2016

TIME	EVENT	LOCATION
6:30am - 5:00pm	Registration Open	4D Skybridge
6:30am - 8:00am	Ethics and Professionalism Committee Meeting	Sheraton - Boren
6:30am - 8:00am	Finance Committee Meeting	Sheraton - Jefferson
6:30am - 8:00am	Education Committee Meeting	Sheraton - Seneca
8:00am - 9:00am	INSTRUCTIONAL COURSES #1	
	Thyroid Nodule Molecular Testing – Assays and Decision Making	4F
	Enhancing Roles and Collaborations of PA/NP in H&N Practice	4C-1-2
	NCI Cooperative Group Trial Portfolios – Novel Agents and Designs	4C-3
	Oropharynx Cancer Management 2016	4C-4
	Nasopharynx Cancer Management 2016	Tahoma 1
	Robotics or Laser for Transoral Surgery	Tahoma 2
	Immunotherapy – New Targets, Agents, and Clinical Trial Data	Tahoma 3
	Skull Base Surgery: Open and Endoscopic Approaches (2 hour session)	Tahoma 4
8:00am - 9:30am	Publications Committee Meeting	Sheraton - Boren
8:00am - 9:30am	AHNS Endocrine Section Leadership Group Meeting	Sheraton - Jefferson
8:00am - 9:30am	Young Members Committee Meeting	Sheraton - Seneca
8:00am - 9:30am	History Committee Meeting	Sheraton - University
8:00am - 9:30am	Credentials Committee Meeting	Sheraton - Virginia
8:00am - 11:45am	AHNS/AOHNS Thyroid and Parathyroid Surgery Course For Residents and Fellows <i>Supported in part by an educational grant from Ethicon Endo-Surgery, Inc.</i>	Tahoma 5
8:00am - 10:00am	IFHNOS Committee Meeting	310
9:00am - 10:00am	INSTRUCTIONAL COURSES #2	
	Sialoendoscopy	4F
	Research Using Large Data Sets: Pearls and Pitfalls of the Major Data Sources	4C-1-2
	Salvage Surgery – When It’s Possible, How to Plan and Surgical Tips	4C-3
	Assessment of Treatment Response After Chemoradiotherapy	4C-4
	Parathyroid Disease	Tahoma 1
	Preventing Dysphagia	Tahoma 2
	Parapharyngeal Space Tumors	Tahoma 3
9:30am - 11:00am	Prevention & Early Detection Committee Meeting	Sheraton - Boren
9:30am - 11:00am	Quality of Care Committee Meeting	Sheraton - Jefferson
9:30am - 11:00am	Research Committee Meeting	Sheraton - Seneca
9:30am - 11:00am	Survivorship Committee Meeting	Sheraton - University
9:30am - 11:00am	Development Committee Meeting	Sheraton - Virginia
10:00am - 10:30am	Break In Foyer	Tahoma 4
10:00am - 11:00am	IAOO Council Meeting	310

Schedule at a Glance

Saturday (continued)

10:30am - 11:30am	INSTRUCTIONAL COURSES #3	
	Robotic Surgery for Oropharyngeal and Laryngeal Cancer	4F
	Biomarkers and Signature Therapeutics: Integrating into Clinical Practice	4C-1-2
	Epidemiology, Biology and Detection of HPV in Head and Neck Cancer	4C-3
	Management of Pre-Malignant Lesions of the Head and Neck	4C-4
	Salivary Gland Malignancy	Tahoma 1
	Innovations in Dysphagia Management	Tahoma 2
	Reconstruction of Laryngectomy Defects-Controversies	Tahoma 3
	State of the Art in Mandibular and Maxillary Reconstruction	Tahoma 4
11:00am - 12:30pm	ATC Committee Meeting	Sheraton - Boren
11:00am - 12:30pm	Humanitarian Committee Meeting	Sheraton - Columbia
11:00am - 12:30pm	Website Committee Meeting	Sheraton - Seneca
11:00am - 12:30pm	Women in AHNS Committee Meeting	Sheraton - University
11:00am - 12:30pm	Head & Neck Reconstructive Committee Meeting	Sheraton - Virginia
11:30am - 1:00pm	Lunch On Own	
12:00pm - 1:00pm	AHNS Council Lunch	Sheraton - Jefferson
12:30pm - 1:30pm	CME Compliance & Measurement Committee Mtg	Sheraton - University
12:30pm - 7:00pm	Transoral Surgery for Head and Neck Pathology Course <i>This NON-CME course is supported in part by the following companies: Lumenis, Medrobotics, & Omni-Guide</i>	Skagit 2 & 4/5
1:00pm - 2:00pm	INSTRUCTIONAL COURSES #4	
	Transoral Laser Surgery for the Pharynx & Larynx	4F
	Immunology/Immunotherapy in Head and Neck Cancer	4C-1-2
	Using HPV Status in the Clinic	4C-3
	New Developments in Systemic Therapy	4C-4
	Thyroid Cancer: Early and Advanced	Tahoma 1
	How to Establish a Survivorship Program	Tahoma 2
	Using ATA 2015 Guidelines	Tahoma 3
	How to Establish a Surgical Quality and Performance Monitoring Program	Tahoma 4
1:00pm - 5:00pm	AHNS Council Meeting	Sheraton - Jefferson
2:00pm - 3:00pm	INSTRUCTIONAL COURSES #5	
	New Technology for Thyroid & Parathyroid Surgery	4F
	Engaging Surgeons in Multicenter Randomized Trials	4C-1-2
	Comprehensive Management of Melanoma of the Head and Neck	4C-3
	Imaging: Current Guidelines and Standards and Future Developments	4C-4
	Non-Melanoma Skin Cancer: Novel Therapies, Surgery and Reconstruction	Tahoma 1
	Toolbox: Measurement of Function and Patient-Reported Outcomes	Tahoma 2
	Integrating Palliative Care into the Management of the Patient with Recurrent or Advanced HNC	Tahoma 3
	Decision Making in Larynx Cancer – Early, Intermediate and Advance Stage Disease	Tahoma 4

Schedule at a Glance

Saturday (continued)

3:00pm - 3:30pm	Break In Foyer	
3:30pm - 4:30pm	INSTRUCTIONAL COURSES #6	
	Sentinel Lymph Node Biopsy: Indications, Technique and Pitfalls	4F
	"Doing Research": Setting up a Clinical and Translational Research Program	4C-1-2
	Management of the Facial Nerve in Parotid Malignancy	4C-3
	Radiation Therapy Advances	4C-4
	Robotic Thyroidectomy and Parathyroidectomy	Tahoma 1
	Measuring Swallowing Function	Tahoma 2
	Using Social Media and the Internet in a Head and Neck Practice	Tahoma 3
	New Technologies and Developments in Head and Neck Reconstruction	Tahoma 4
4:30pm - 5:30pm	Head Neck Reconstruction Committee	310
5:00pm - 6:00pm	HNQIP Committee Meeting	Sheraton - Jefferson
6:30pm - 9:30pm	Head and Neck Cancer Alliance Board Meeting	Sheraton - University

Sunday, July 17, 2016

TIME	EVENT	LOCATION
6:30am - 6:30pm	Registration Open	4D Skybridge
6:30am - 7:45pm	Medrobotics Symposia: Flexible Robotic Surgical System for Oropharynx, Hypopharynx and Larynx – Non CME Activity	4C-3
7:00am - 8:00am	Continental Breakfast	4D Skybridge Foyer
8:00am - 9:00am	Opening Ceremony	4F
9:00am - 9:45am	John J. Conley Lecture "Building a Safe, High Quality and Effective Health Care System: Views from a Surgical Oncologist, CEO, and Deputy Minister of Health" – Robert S. Bell, MD	4F
9:45am - 10:15am	Keynote Lecture – Curt Cronin, Seal Team 6	4F
10:00am - 4:00pm	Exhibit Hall Open	4E
10:15am - 10:45am	Break In Exhibit Hall	4E
10:45am - 12:15pm	PANELS OR PROFFERED PAPERS	
	Panel: Imaging and Head and Neck Cancer: Pretreatment Assessment and Intraoperative Technology	4F
	Panel: Genomics and Personalized Medicine Technology Guiding Head and Neck Cancer Care	4C-1-2
	Panel: Sinonasal and Skull Base Surgery: Technology Advancing the Frontiers	4C-3
	Proffered Papers: Imaging and Detection	4C-4
	Proffered Papers: Best of Clinical I	Tahoma 1
	Proffered Papers: Robotics I	Tahoma 2
	Proffered Papers: Thyroid/Parathyroid	Tahoma 3
	Proffered Papers: Outcomes/Quality of Life I	Tahoma 4
12:15pm - 1:45pm	Lunch On Own	
	OR	
12:30pm - 12:42pm	Industry Theater with Eisai - Understanding an Available Treatment for Locally Recurrent or Metastatic, Progressive	Exhibit Hall 4E
12:45pm - 12:57pm and 1:00pm - 1:12pm	Industry Theater with Cook - Advances in Salioendoscopy	Exhibit Hall 4E
1:15pm - 1:27pm	Industry Theater with Eisai - LENVIMA AE Management Workshop	Exhibit Hall 4E

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Schedule at a Glance

Sunday (continued)

12:30pm - 1:30pm	LUNCH WITH PROFESSORS OR TUMOR BOARDS	
	NCCN Guidelines	4F
	Skull Base Imaging for the Endoscopic Surgeon Debate – Do We Change Treatment of HPV+ Disease Yet? Or What is the Ideal Treatment Algorithm for HPV+ OPC?	4C-1-2 4C-3
	Behavioral Science in Head and Neck Cancer Debate – Extent of Surgery in Thyroid Cancer	4C-4 Tahoma 1
	Tumor Board: Melanoma	Tahoma 2
	Tumor Board: Oral Cavity	Tahoma 3
	Tumor Board: NPC	Tahoma 4
1:45pm - 3:15pm	PANELS OR PROFFERED PAPERS	
	Panel: Technology for Assessment of the NO Neck-Sentinel Node Lymphoscintigraphy and Ultrasound	4F
	Panel: Functional Rehabilitation of the Head and Neck Cancer Patient – Consider Case-based	4C-1-2
	Panel: Technologies Transforming Parathyroid Surgery	4C-3
	Proffered Papers: Cancer Biology	4C-4
	Proffered Papers: Best of Basic Science	Tahoma 1
	Proffered Papers: Robotics II	Tahoma 2
	Proffered Papers: Immunotherapy	Tahoma 3
	Proffered Papers: Nasopharynx	Tahoma 4
3:15pm - 3:45pm	Break in Exhibit Hall	4E
3:45pm - 5:15pm	PANELS OR PROFFERED PAPERS	
	Panel: Technology for Imaging Assessment after Head and Neck Cancer Treatment	4F
	Panel: Head and Neck Cancer Care: Challenges and Technological Barriers Across the World	4C-1-2
	Panel: Salivary Gland Malignancy	4C-3
	Proffered Papers: Functional Outcomes I	4C-4
	Proffered Papers: Oropharynx	Tahoma 1
	Proffered Papers: Larynx/Hypopharynx	Tahoma 2
	Proffered Papers: Skin	Tahoma 3
	Proffered Papers: Reconstruction	Tahoma 4
5:30pm - 6:30pm	African Fellowship Interest Meeting	301
5:30pm - 6:30pm	Tips on NIH Peer Review and Funding Opportunities at NIDCR	Tahoma 1
5:30pm - 6:30pm	Building a Multidisciplinary Head and Neck Program from the Ground Up	4C-1-2
5:30pm - 7:00pm	Head & Neck Editorial Board Meeting	Sheraton - University
6:30pm - 7:30pm	Building a Multidisciplinary Head and Neck - Program from the Ground Up Networking Hour	Skybridge Lobby
7:30pm - 8:30pm	International Welcome Reception with Exhibitors - Badge Required for Entry	4E

Monday, July 18, 2016

TIME	EVENT	LOCATION
6:00am - 7:15am	Intuitive Surgical Symposia: Innovations in Robotic Surgery - Intuitive Breakfast Symposium - Dedicated to Technological Excellence – Non CME Activity	4C-2
6:00am - 7:15am	Medtronic Symposia: State-of-the-Art Neural Monitoring 2016 – Non CME Activity	4C-4
6:00am - 8:00am	Continental Breakfast	4D Skybridge Foyer
6:30am - 5:30pm	Registration Open	4D Skybridge

Schedule at a Glance

Monday (continued)

7:30am - 8:30am	Jatin P. Shah Symposium - The Future of Head and Neck Cancer in 10 Years	4F
8:30am - 9:00am	AHNS Awards Ceremony	4F
9:00am - 9:45am	AHNS Presidential Address & Presidential Citations	4F
9:45am - 10:30am	Keynote Lecture: Technology Implementation in a Safe and High Reliability Health Care Organization - Dave Williams, MD	4F
10:00am - 4:00pm	Exhibit Hall Open	4E
10:30am - 10:45am	Break in Exhibit Hall	4E
10:45am - 12:15pm	VIDEO SESSIONS, PANELS OR PROFFERED PAPERS	
	Video Sessions: How I Do It – Part 1	4F
	Panel: Evolving Role of Induction Chemotherapy	4C-1-2
	Panel: Changing Landscape in Management of Thyroid Cancers	4C-3
	Panel: The Current Management of Melanoma: A Multidisciplinary Approach	4C-4
	Proffered Papers: Basic Science	Tahoma 1
	Proffered Papers: New Therapeutic Targets & Diagnostics	Tahoma 2
	Proffered Papers: Oropharynx II	Tahoma 3
	Proffered Papers: Skull Base	Tahoma 4
12:00pm - 1:00pm	Ad Hoc Journal Committee Meeting	Sheraton - University
12:15pm - 1:45pm	Lunch On Own	
	OR	
12:30pm - 1:30pm	LUNCH WITH PROFESSORS OR TUMOR BOARDS	
	Management of Combined Modality Toxicities	4F
	Value Based Oncology and Clinical Pathways	4C-1-2
	Targeted Agents and Immunotherapies in 2016	4C-3
	Functional Imaging	4C-4
	Prospective Trials in Head and Neck Cancer	Tahoma 1
	Tumor Board: Pharynx/Larynx	Tahoma 2
	Tumor Board: Thyroid	Tahoma 3
	Tumor Board: Reducing Morbidity in Endoscopic Skull Base Procedures	Tahoma 4
1:45pm - 3:15pm	PANELS OR PROFFERED PAPERS	
	Panel: HPV: Epidemiology, Behavior, Prevention and Clinical Implications	4F
	Panel: New Targeted Therapies in Head and Neck Cancer	4C-1-2
	Panel: Concurrent Chemoradiotherapy: Controversies	4C-3
	Proffered Papers: Potpourri	4C-4
	Proffered Papers: Management of the Neck	Tahoma 1
	Proffered Papers: Education	Tahoma 2
	Proffered Papers: Oral Cavity	Tahoma 3
	Proffered Papers: Salivary Gland	Tahoma 4
3:15pm - 3:45pm	Break in Exhibit Hall	4E

Schedule at a Glance

3:45pm - 5:15pm	PANELS OR PROFFERED PAPERS Panel: Management of Advanced Oropharyngeal Cancer in the Era of HPV and TORS Proffered Papers: Oral Cavity & Oropharynx Panel: Adjuvant Postoperative Therapy Panel: Quality Improvement in Head and Neck Cancer Care Proffered Papers: Reconstruction II Proffered Papers: Cancer Biology II Proffered Papers: Cancer Screening/Detection Proffered Papers: Potpourri II	4F 4C-1-2 4C-3 4C-4 Tahoma 1 Tahoma 2 Tahoma 3 Tahoma 4
5:30pm - 7:00pm	Poster Session with Wine & Cheese	4E
6:30pm - 8:30pm	Past Presidents' Reception – Invite Only	
7:00pm - 8:15pm	Astra Zeneca Symposia: Building Upon the PD-1/PD-L1 Axis: New Targets in Immuno-Oncology (IO), Rationale for Investigating Combinations, and Advanced Squamous Cell Carcinoma of the Head and Neck (SCCHN) – Non CME Activity	4C-3

Tuesday, July 19, 2016

TIME	EVENT	LOCATION
6:30am - 5:00pm	Registration Open	4D Skybridge
6:30am - 7:30am	New Member/Non-Member Breakfast	Tahoma 1
6:30am - 7:30am	Continental Breakfast	4D Skybridge Foyer
7:30am - 9:00am	Milton J. Dance Symposium: Optimizing Survivorship – Prevention Through Late Effects	4F
9:15am - 10:00am	Hayes Martin Lecture	4F
10:00am - 4:00pm	Exhibit Hall Open	4E
10:00am - 10:30am	Break in Exhibit Hall	4E
10:30am - 12:00pm	PANELS OR PROFFERED PAPERS Panel: Nasopharyngeal Cancer: The Current Management of Nasopharyngeal Carcinoma and the Beyond Panel: New Approaches in Radiation Therapy Panel: Current Management of Oral Cavity Cancer Proffered Papers: Oropharynx/HPV Proffered Papers: Cancer Biology III and Stem Cells Proffered Papers: Epidemiology Proffered Papers: Best of Clinical II Proffered Papers: Reconstruction III	4C-1-2 4C-3 4C-4 Tahoma 1 Tahoma 2 Tahoma 3 Tahoma 4 Tahoma 5
12:00pm - 1:30pm	Lunch On Own OR	
12:15pm - 12:27pm	Industry Theater with Vigilant BioSciences	Exhibit Hall 4E
12:15pm - 1:15pm	AHNS Business Meeting For AHNS Members Only	4F
1:30pm - 3:00pm	VIDEO SESSIONS, PANELS OR PROFFERED PAPERS Video Session: How I Do It – Part 2 Panel: Genomics and Genetics in Evaluation of Thyroid Nodules Panel: State-Of-The Art Management of Oropharyngeal Cancer Panel: Targeted Therapeutics and Translational Research Proffered Papers: Cancer Imaging Proffered Papers: Oral Cavity II Proffered Papers: Thyroid Proffered Papers: Potpurri III Proffered Papers: Metastasis	4F 4C-1-2 4C-3 4C-4 Tahoma 1 Tahoma 2 Tahoma 3 Tahoma 4 Tahoma 5

Schedule at a Glance

Tuesday, July 19, 2016 (continued)

3:00pm - 3:30pm	Break in Exhibit Hall	4E
3:30pm - 5:00pm	PANELS OR PROFFERED PAPERS	
	Panel: Systemic Therapy for Rare Head and Neck Cancers	4C-1-2
	Panel: Management of Larynx/Hypopharynx Cancer	4C-3
	Panel: Challenges in Head and Neck Reconstruction: Now and the Future	4C-4
	Proffered Papers: Radiotherapy	Tahoma 1
	Proffered Papers: Oral Cavity III	Tahoma 2
	Proffered Papers: Outcomes/Quality of Life II	Tahoma 3
	Proffered Papers: New Therapeutic Targets II	Tahoma 4
	Proffered Papers: Larynx I	Tahoma 5
5:15pm - 6:30pm	Fellowship Information Session	Tahoma 1
5:15pm - 6:30pm	Bristol-Myers Squibb Symposia - Non CME Activity	4C-3
7:15pm - 9:30pm	AHNS President's Reception at Experience Music Project - Shuttle pickup outside Convention Center on Convention Place	

Wednesday, July 20, 2016

TIME	EVENT	LOCATION
6:30am - 7:30am	AHNS 2017 Program Committee Meeting	Sheraton - Ravenna
7:00am - 8:00am	Continental Breakfast	4D Skybridge Foyer
7:00am - 12:00pm	Registration Open	4D Skybridge
7:30am - 8:15am	Ethics and Professionalism Symposium	4F
8:15am - 8:30am	Closing Comments	4F
8:30am - 9:15am	Christopher O'Brien Lecture: "The Right to Look Human - Head and Neck Surgery in the Developing World"	4F
9:15am - 9:30am	Break in Foyer	
9:30am - 11:00am	PANELS OR PROFFERED PAPERS	
	Proffered Papers: Skin Cancer and Salivary Gland	4F
	Panel: Actionable Therapy Based on TCGA Data	4C-1-2
	Panel: The Science of HPV	4C-3
	Panel: Management of the Neck - New and Emerging Issues	4C-4
	Proffered Papers: Thyroid/Parathyroid II	Tahoma 1
	Proffered Papers: Larynx II	Tahoma 2
	Proffered Papers: Reconstruction IV	Tahoma 3
	Proffered Papers: Imaging	Tahoma 4
11:00am - 12:30pm	PANELS OR PROFFERED PAPERS	
	Panel: Future Immunotherapeutic Developments for Head and Neck Cancer	4C-1-2
	Panel: Management of the Head and Neck Surgical Career	4C-3
	Panel: Robotics in Head and Neck Cancer Surgery	4C-4
	Proffered Papers: Outcomes/Quality of Life III	Tahoma 1
	Proffered Papers: Cancer Biology IV	Tahoma 2
	Proffered Papers: Basic Science II	Tahoma 3
	Proffered Papers: Functional Outcomes II	Tahoma 4

Saturday, July 16, 20168:00 am - 9:00 am **INSTRUCTIONAL COURSES #1****Thyroid Nodule Molecular Testing – Assays and Decision Making** 4F**Moderator: Russell B. Smith, MD**

We will present data on the different molecular tests that can be applied to patients with nodular disease of the thyroid. We will then use a case presentation format to demonstrate application of this new diagnostic tool.

Molecular Testing for Indeterminate Thyroid Nodules -**Robert L. Witt, MD****RET Profiling in Medullary Thyroid Cancer -****Ken-ichi Nibu, MD****Case Presentations -****Russell B. Smith, MD,**

At the conclusion of this session, participants will be able to:

- Compare the different molecular tests available for assessment of thyroid nodules.
- Choose the patient with a thyroid nodule who may benefit from the use of molecular testing.

Enhancing Roles and Collaborations of PA/NP in H&N Practice 4C-1-2**Moderator: Carol Stimson, MD****Speakers: Yelana Brukhis, MD; Jan Pryor, MD; Amanda Sullivan, MD**

Panel discussion by members will include a role description followed by two case studies. Goal is to present the relationship and interaction between care providers and ongoing collaboration for cohesive, comprehensive care of head and neck cancer patients pre-surgery/ treatment and post therapy.

At the conclusion of this session, participants will be able to:

- Understand the role of each panel participant and importance in providing care for head and neck cancer patients.

NCI Cooperative Group Trial Portfolios – Novel Agents and Designs 4C-3**Moderator: Erich M. Sturgis, MD**

A brief overview of NCI / NCTN mechanism and organizational structure will be provided. There will be a more detailed review of the trial portfolio (including novel agents and designs) of the two cooperative groups with dedicated head and neck groups (ECOG and NRG). Significant time for open discussion will be allotted.

Introduction -**Erich M. Sturgis, MD****Overview of the NCI / NCTN -****Erich M. Sturgis, MD****Overview of the ECOG Trials -****John A. Ridge, MD, PhD****Overview of the NRG Trials -****Christine Chung, MD**

Scientific Program

Pre-Meeting Courses

At the conclusion of this session, participants will be able to:

- Understand the mechanism of how a trial is developed through the NCI cooperative trials process.

Oropharynx Cancer Management 2016

4C-4

Moderator: Peter E. Andersen, MD

This course will focus on the treatment of squamous carcinoma of the oropharynx. Focus will be on pathogenesis including the role of HPV infection, the role surgery including transoral robotic surgery and indications for definitive and adjuvant treatment with radiation or chemo/radiation.

Introduction - Peter E. Andersen, MD

Pathogenesis, Role of HPV - Cherie-Ann O. Nathan, MD

Role of Surgical Therapy - Peter E. Andersen, MD

Role of Definitive and Adjuvant Radiation and Chemo/Radiation - Andy Clump, MD, PhD

At the conclusion of this session, participants will be able to:

- Understand the pathogenesis of oropharyngeal squamous carcinoma including the role of HPV infection.

Nasopharynx Cancer Management 2016

Tahoma 1

Moderator: A Dimitrios Colevas, MD

This will be three lectures, each followed by round table discussion with Q and A audience participation.

Evolving Radiation in NPC From 2 D Thru Flash and Protons and Other New Techniques - Anne W. M. Lee, MD

New Drugs and Paradigms in NPC, Focus on Recurrent/ Metastatic Disease - A. Dimitrios Colevas, MD

The Surgery Can Play in NPC: Nasopharyngectomy - Mu-Kuan Chen, MD

At the conclusion of this session, participants will be able to:

- Discuss in a more informed way with patients salvage surgical options for locally recurrent NPC
- Understand the breadth of systemic options for r/m disease, both standard, and experimental, and refer pts accordingly
- Understand that XRT techniques have evolved substantially and that radiation expertise specific to NPC is of significant clinical impact.

Robotics or Laser for Transoral Surgery

Tahoma 2

Moderator: Richard V. Smith, MD

We will use case based scenarios to discuss the use of transoral robotic surgery (TORS) and transoral laser microsurgery (TLM) for the management of head and neck cancer, specifically focusing upon the management of oropharyngeal, laryngeal and hypopharyngeal cancers.

Scientific Program

Pre-Meeting Courses

Introduction to Transoral Surgery to Manage Head And Neck Cancer - Richard V. Smith, MD

Transoral Oropharyngeal Cancer Surgery - David M. Cagnetti, MD

Transoral Laryngeal Cancer Surgery - Richard V. Smith, MD

Transoral Hypopharyngeal Cancer Surgery - Chen-Chi Wang, MD

At the conclusion of this session, participants will be able to:

- Understand the benefits and limitations of transoral surgical management of head and neck cancer.

Immunotherapy – New Targets, Agents, and Clinical Trial Data Tahoma 3

Moderator: Nabil Saba, MD

This session will provide an overview of the role of Immunotherapy in the treatment of Head and Neck Squamous cell Carcinomas (HNSCC); it will describe novel targets and agents and provide an update on the current clinical evidence supporting the use of these agents in different stages of this disease.

Introduction - Nabil Saba, MD

The Opportunities and Barriers to Immunotherapy in HNSCC - Nabil Saba, MD

A Patient Centered Approach to Immunotherapy in the Treatment of Recurrent Metastatic HNSCC - Tanguy Seiwert, MD

Novel Therapeutic Approaches in the Locally Advanced Setting - Ravindra Uppaluri, MD, PhD

At the conclusion of this session, participants will be able to:

- Formulate a better understanding of the value of these agents in terms of clinical benefits (i.e. differences from cytotoxic chemotherapy in terms of responses survival and quality of life.

Skull Base Surgery: Open and Endoscopic Approaches (2 hour session) Tahoma 4

Moderator: Ehab Y. Hanna, MD

Speakers: Dan M. Fliss, MD; Piero Nicolai, MD; Ian J. Witterick, MD, FRCSC

8:00 am - 11:45 am **AHNS/AAOHNS Thyroid and Parathyroid Surgery Course For Residents and Fellows** Tahoma 5

Moderator: David J. Terris, MD & Ralph Tufano, MD

This course will update residents and fellows on the newest evidence based data in the management of thyroid and parathyroid disease and emphasize surgical technique that will optimize outcomes.

Introduction - David Goldenberg, MD

Essential Surgical Elements of New ATA Guidelines - Ralph P. Tufano, MD

Molecular Markers in 2016 - Robert L. Ferris, MD, PhD

How to Perform Difficult Maneuvers in Thyroid Surgery - Edmund D. Pribitkin, MD

Scientific Program**Pre-Meeting Courses**

Superior Pole and External Branch of Superior Laryngeal Nerve -	Edmund D. Pribitkin, MD
Management of the RLN at Ligament of Berry -	D. Gregory Farwell, MD
Parathyroid Preservation -	Maisie Shindo, MD
Central Neck -	Michael A. Singer, MD
Lateral Neck -	David Goldenberg, MD
Invasive Thyroid Cancer -	Joseph Scharpf, MD
Work-Up of the Patient with an Elevated Serum Calcium -	Jeffrey M. Bumpous, MD
Pre and Intra-op Adjuncts for Successful Surgery -	Phillip Pellitteri, MD,
Parathyroid Cases -	David J. Terris, MD; Brendan Stack, MD; Kevin Brumund, MD; Jason Hunt, MD; Alfred Simental, MD; Umamaheswar, MD, PhD

Career Opportunities in

Endocrine Surgery - Gregory L. Randolph, MD

At the conclusion of this session, participants will be able to:

- To understand the new ATA Guidelines and molecular markers as they apply to extent of surgery for thyroid nodules and thyroid cancer.
- Be able to identify the difficult maneuvers in thyroid surgery and techniques to optimize outcomes.
- To understand differences in neck dissection for thyroid cancer.
- Be able to confidently work-up the patient with an elevated serum calcium.
- To understand and use pre and intra-operative adjuncts to perform successful parathyroid surgery.

Supported in part by a generous educational grant from Ethicon Endo-Surgery, Inc.

9:00 am - 10:00 am

INSTRUCTIONAL COURSES #2**Sialoendoscopy**

4F

Moderator: M. Boyd Gillespie, MD, MS

The instructors will use a case-based approach to demonstrate the use of sialendoscopy in the management of obstructive and inflammatory disorders of the salivary glands.

Sialendoscopy for Salivary Stones - Vincent Vander Poorten, MD

Sialendoscopy for Non-Stone Disorders - Rohan R. Walvekar, MD

Case Presentations - M. Boyd Gillespie, MD, MS

At the conclusion of this session, participants will be able to:

- Recognize benign and inflammatory salivary disorders amenable to treatment with sialendoscopy.

Research Using Large Data Sets: Pearls and Pitfalls of the Major Data Sources 4C-1-2

Moderator: Louise Davies, MD, MS

Learn what resources are available through national databases to answer questions of interest to head & neck surgeons. We will cover pros and cons of various databases for answering specific questions, and review how to access these resources.

Introduction - Louise Davies, MD, MS

SEER - Louise Davies, MD, MS

SEER Medicare and the NCDB - Amy Y. Chen, MD, MPH

NIS and Summary - Jose P. Zevallos, MD, MPH

At the conclusion of this session, participants will be able to:

- Identify the major cancer data sources available in the U.S.
- Differentiate the strengths and weaknesses of the data sources.
- Craft potential research questions which might be posed using the databases.

Salvage Surgery – When It’s Possible, How to Plan and Surgical Tips 4C-3

Moderator: Danny Enepekides, MD, FRCS

This session will examine the indications/contraindications for salvage surgery of the head and neck, review outcomes, discuss surgical planning and reconstructive considerations, and the appropriateness of adjuvant therapies.

Introduction - Danny Enepekides, MD, FRCS

Salvage Surgery - When and When Not To Do It - Prathamesh Pai, MS, DNB, DORL, MNAMS

Planning for Salvage Surgery; What Next - Adjuvant Therapies to Consider - Danny Enepekides, MD, FRCS

Case Presentation - Prathamesh Pai, MS, DNB, DORL, MNAMS

At the conclusion of this session, participants will be able to:

- Better determine the appropriateness of surgical salvage.
- Develop a treatment plan for recurrent head and neck cancer.
- Appreciate the risks and benefits of retreatment strategies.

Assessment of Treatment Response After Chemoradiotherapy 4C-4

Moderator: Hisham Mehanna, PhD, MD

Speaker: Sandro V. Porceddu, MD & John Waldron, MD

Scientific Program

Pre-Meeting Courses

Parathyroid Disease

Tahoma 1

Moderator: Jeremy L. Freeman, MD

Speakers: Ralph P. Tufano, MD & Ramon Esclamado, MD

Preventing Dysphagia

Tahoma 2

Moderator: Giselle Carnaby, MD, MPH, PhD

The session will use a panel presentation and discussion to present current approaches and advancements in preventing dysphagia during Head Neck Cancer Treatment.

Introduction - Giselle Carnaby, MD, MPH, PhD

**Prophylaxis for Dysphagia in HNC:
More Than Eat and Exercise? -** Giselle Carnaby, MD, MPH, PhD

**Impact of Standard and IMRT External Beam Radiotherapy
on Dysphagia and Esophageal Stenosis -** Eric Genden, MD

Talk TBD - Laureano A. Giraldez-Rodriguez, MD

At the conclusion of this session, participants will be able to:

- Recognize the potential benefits of exercise based prophylactic interventions during Chemo +/- radiotherapy for HNC.
- ^a Articulate the impact of standard and IMRT external beam radiotherapy on dysphagia and esophageal stenosis.
- Assess the application of medical and non medical approaches to prevention of dysphagia during HNC treatment in their facility.

Parapharyngeal Space Tumors

Tahoma 3

Moderator: David W. Eisele, MD

Speakers: Young-Soo Rho, MD & Mark C. Weissler, MD

10:00 am – 10:30 am **Break In Foyer**

Tahoma 4

10:30 am – 11:30 am **INSTRUCTIONAL COURSES #3**

Robotic Surgery for Oropharyngeal and Laryngeal Cancer

4F

Moderator: Jeffery S. Magnuson, MD

Speaker: Enver Ozer, MD; Marc J. Remacle, MD, PhD;
Tsung-Lin Yang, MD

Biomarkers and Signature Therapeutics: Integrating into Clinical Practice

4C-1-2

Moderator: Christine Chung, MD

In this session, existing genomic technology and data that have led to biomarkers and therapeutic signatures will be reviewed. In addition, novel biomarkers in immunotherapy, application of genomic technology to therapeutic target discovery, and integration to clinical practice will be discussed.

Introduction - Christine Chung, MD

Updates on Discovery Technology - Christine Chung, MD

Integration of Genomics to Clinical Practice - Laura Chow, MD

Scientific Program

Pre-Meeting Courses

Functional Genomics for Therapeutic Target Discovery -

Eduardo Mendez, MD

At the conclusion of this session, participants will be able to:

- Understand the multidimensional factors in development of biomarkers for head and neck cancer patients.
- Determine the role of genomic assays in current management of head and neck cancer patients.
- Recognize the importance of developing biomarkers to predict treatment outcomes in head and neck cancer patients.

Epidemiology, Biology and Detection of HPV in Head and Neck Cancer

4C-3

Moderator: John A. Ridge, MD, PhD

The session will involve presentations and Q&A surrounding the global incidence of HPV in squamous carcinoma of the head and neck (including specific information about HPV related oropharyngeal cancers in Taiwan), the prevalence and prognostic role of HPV in Europe (where there are many smokers), issues surrounding recurrent cancers, and current detection methodologies and surrogate markers.

HPV Head & Neck Cancer -

John A. Ridge, MD, PhD

The Global Incidence of

HPV Head & Neck Cancer -

Pei-Jen Lou, MD, PhD

HPV Head & Neck Cancer in Europe -

Inge Tinhofer, PhD

HPV Head & Neck Cancer: Detection Methods - Raja Seethala, MD

At the conclusion of this session, participants will be able to:

- Recognize the global incidence of HPV in squamous cell carcinoma of the head and neck.
- Assess the prevalence and prognostic role of HPV in Europe, where there are high numbers of smokers.
- Distinguish the detection methodologies and surrogate markers available for HPV associated squamous cell carcinoma of the head and neck

Management of Pre-Malignant Lesions of the Head and Neck

4C-4

Moderator: Ann M. Gillenwater, MD

This session will review the epidemiology and risk factors for oral premalignant lesions (OPLs), provide updated information on techniques for screening and diagnosis of OPLs and early oral cancers, and discuss current and future management options.

Introduction -

Ann M. Gillenwater, MD

OPLs, OPMDs and Oral Cancer -

Ann M. Gillenwater, MD

Techniques for Detection and
Diagnosis of OPLs -

Camile Farah, PhD, MDSc

Management Approaches for OPL patients -

Karen T. Pitman, MD

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At the conclusion of this session, participants will be able to:

- Diagnose patients with oral premalignant lesions (OPLs) and oral potentially malignant disorders (OPMDs).
- Identify those patients at highest risk for developing oral cancer
- Develop an evidence-based management strategy for patients with OPLs and OPMDs

Salivary Gland Malignancy

Tahoma 1

Moderator: Patrick K. Ha, MD

The session will highlight the diagnostic workup, surgical management, and adjuvant therapy options for patients with salivary gland cancer. It will also discuss 2 challenging cases that highlight the nuances of treatment options.

**Introduction - Surgical Management -
Regional Disease -**

Patrick K. Ha, MD

Diagnostic Workup of Salivary Gland Tumors - Seungwon Kim, MD

**Surgical Management of
Salivary Gland Cancers -**

Dennis H. Kraus, MD

Adjuvant Therapy in Salivary Gland Cancers -

Patrick K. Ha, MD

Case Studies in Salivary Gland Cases -

Patrick K. Ha, MD

At the conclusion of this session, participants will be able to:

- Recommend the proper diagnostic workup for salivary gland tumors.
- Formulate a surgical plan that is appropriate for the disease.
- Discuss possible adjuvant treatments with their patients.

Innovations in Dysphagia Management

Tahoma 2

Moderator: Rosemary Martino, MSc, PhD

This session will present promising new dysphagia interventions that aim to target the patient's swallow related issues. These will include: pain management, exercise compliance, psychological burden, dysphagia awareness and overall health.

Introduction -

Rosemary Martino, MSc, PhD

Adherence and Pain Management -

Heather Starmer, MA

Advocacy and Health Burden -

Rosemary Martino, MSc, PhD

At the conclusion of this session, participants will be able to:

- Articulate new and emerging interventions for dysphagia in persons with HNC.
- Develop an intervention for patients who have dysphagia due to HNC incorporating new techniques.
- Recognize how swallow recovery can be maximized by targeting patient issues related to pain, compliance and overall health.

Reconstruction of Laryngectomy Defects - Controversies Tahoma 3

Moderator: Terry A. Day, MD

This session will address the current state of the art and controversies surrounding reconstruction of partial and total laryngopharyngeal defects.

Introduction - Terry A. Day, MD

Classification of Common Laryngopharyngeal Defects - Terry A. Day, MD

Current Approaches to Reconstruction of Laryngopharyngeal Defects - Brian B. Burkey, MD, MEd

Current Approaches to Laryngopharyngeal Defects - Eben L. Rosenthal, MD

At the conclusion of this session, participants will be able to:

- Outline the common laryngopharyngeal defects and the historic standard of care for reconstruction of these defects.
- Provide an updated algorithm for management of these defects with locoregional and free tissue transfer options with technical considerations
- Discuss the method and timing of vocal rehabilitation in patients undergoing salvage laryngectomy with flap reconstruction
- Critically debate the advantages and disadvantages of each defect/reconstructive option

State of the Art in Mandibular and Maxillary Reconstruction Tahoma 4

Moderator: Neal D. Futran, MD, DMD

This session will involve 3 panelists who will discuss issues relevant to the reconstruction of mandibular and maxillary defects. We will present concepts and surgical techniques relevant to restoring the relevant anatomy to optimize speech, swallowing and cosmesis

Mandibular Reconstruction - Douglas A. Girod, MD

Maxillary Reconstruction - Matthew Old, MD

Virtual Surgical Planning - Neal D. Futran, MD, DMD

At the conclusion of this session, participants will be able to:

- Understand the available vascularized tissue options for mandibular and maxillary reconstruction
- Describe the anatomy and harvest techniques of the available flaps
- Employ virtual surgical planning to optimize reconstructive outcomes

11:30 am - 1:00 pm **Lunch On Own**

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12:30 pm - 7:00 pm **Transoral Surgery for Head and Neck Pathology Course with Hands-On Robotic and Laser Sessions** Skagit 2 & 4/5

Transoral Surgery for Head and Neck Pathology Course with Hands-On Robotic and Laser Sessions

This activity is not accredited for CME.

Ticket required to enter course.

*This course is supported in part by the following companies:
Lumenis, Medrobotics and Omni-Guide*

12:00 PM **TOS and the "Inside-Out" Approach - Three Dimensional Anatomy - Umamaheswar Duvvuri, MD, PhD**

12:20 PM **An Update on TOS for Oropharyngeal Cancer - New Evidence and Clinical Trials - Chris Holsinger, MD**

12:40 PM **Emerging Technology for TOS - Stephan Lang, MD**

01:00 PM **TORS for Supraglottic and Total Laryngectomy - George Lawson, MD**

01:20 PM **A New Paradigm for the Management of the Unknown Primary - Eduardo Mendez, MD**

01:40 PM **TOS for Sleep Apnea - Claudio Vicini, MD**

02:10 PM **Robotics-Assisted Neck Dissection - Yoon Woo Koh, MD, PhD**

02:30 PM **Morbidity and Costs Associated with Oropharyngeal Cancer Treatment: A Comparison of Different TOS Modalities and Chemoradiation - Vikas Mehta, MD**

02:50 PM **Video Case-Based Panel Discussion - Which Approach/Technology Would I Use and Why?**
Moderators: Umamaheswar Duvvuri, MD, PhD;
Vikas Mehta, MD; Eduardo Mendez, MD

Speakers: David Goldenberg, MD; Stephan Lang, MD;
George Lawson, MD; Jeffery S. Magnuson, MD;
Bert W. O'Malley, MD

3:00 PM - 7:00 PM **Hand-On Lab**

1:00 pm - 2:00 pm **INSTRUCTIONAL COURSES #4** 4F
Transoral Laser Surgery for the Pharynx and Larynx

Moderator: Michael L. Hinni, MD

Speakers: Kang-Dae Lee, MD; & Andrew McWhorter, MD

We will use case presentations in a "tumor board" format, to explore the relevance of transoral surgery and laser technology in treating neoplasia of the upper aerodigestive track. Case presentations will include imaging and surgical videos to explore the scope and possibilities of this technique.

At the conclusion of this session, participants will be able to:

- Articulate the role of transoral surgery in the multidisciplinary setting.
- Identify therapeutic advantages/disadvantages of CO₂ and KTP wavelengths
- Apply exposure and resection techniques to advanced T stage tumors of the pharynx and larynx

Immunology/Immunotherapy in Head and Neck Cancer

4C-1-2

Moderator: R. Bryan Bell, MD, DDS

Immunotherapy is currently transforming the practice of oncology. In addition to providing the attendees with an update on clinical trials currently available to patients with head and neck cancer, this course will review tumor heterogeneity, checkpoint blockade, and novel approaches towards overcoming immunosuppression in the tumor microenvironment.

Introduction -

R. Bryan Bell, MD, DDS

Head and Neck Tumor Cell Heterogeneity and Immune Checkpoint Inhibition -

John Sunwoo, MD, PhD

Changing the Tumor Microenvironment by Targeting TLR and the M2 Tumor Associated Macrophage (TAM) Phenotype -

Ezra E.W. Cohen, MD

At the conclusion of this session, participants will be able to:

- Be aware of recent advances in immuno-oncology and the currently available clinical trials open to patients with head and neck cancer.
- Be familiar with novel strategies for altering the tumor microenvironment by targeting TLR and the M2 tumor associated macrophage (TAM) phenotype
- Understand head and neck tumor cell heterogeneity and immune checkpoint inhibition.

Using HPV Status in the Clinic

4C-3

Moderator: Daniel G. Deschler, MD

The session will review the relevant clinical tests related to HPV related oropharyngeal cancers which are currently used in clinical practice. The relevant clinical trial which utilize the results of these results for inclusion criteria will be introduced. The difficult patient and support system questions related to HPV associated cancers will be reviewed offering a platform for discussing these issues

Introduction -

Daniel G. Deschler, MD

Ongoing Clinical Trials Related to HPV of the Oropharynx -

Robert I. Haddad, MD

Clinical Tests and Biomarkers Related to HPV -

Seungwon Kim, MD

Challenging Patient Discussions Related to HPV -

Daniel G. Deschler, MD

At the conclusion of this session, participants will be able to:

- Integrate the current tests and biomarkers related to HPV related oropharyngeal cancer into clinical practice.
- Recognize the appropriate clinical trails relevant to patients with HPV related oropharyngeal cancers
- Employ an effective platform for discussing challenging issues related to HPV

Scientific Program

Pre-Meeting Courses

New Developments in Systemic Therapy 4C-4

Moderator: A Dimitrios Colevas, MD

Speakers: Lori Wirth, MD & Nabil Saba, MD

Thyroid Cancer: Early and Advanced Tahoma 1

Moderator: Amy Y. Chen, MD, MPH

In this course, the instructors will discuss the newly reported pathologic entity (NIFTP) and its implications (early) and management of recurrent vs. persistent thyroid cancer (advanced).

Introduction - Amy Y. Chen, MD, MPH

Diagnosis and Management of NIFTP - Gregory L. Randolph, MD

Recurrent vs Persistent Thyroid Cancer:

Diagnosis and Optimal Treatment - Christopher F.L. Perry, MD

At the conclusion of this session, participants will be able to:

- Explain the criteria and clinical implications of identifying NIFTP. And discuss the criteria for identifying recurrent vs. persistent thyroid cancer and optimal treatment strategies.
- Discuss the clinical implications of NIFTP with referring physicians and patients.
- Review criteria and management of persistent/ recurrent thyroid cancer with referring physicians and patients.

How to Establish a Survivorship Program Tahoma 2

Moderator: Matthew C. Miller, MD

This session will review the concept and practice of survivorship care as a unique discipline. Under these constructs, we will provide attendees with resources and a framework for building a survivorship program for their own population of head and neck cancer patients.

Introduction - Matthew C. Miller, MD

Key Components of Survivorship Care - Kelly M. Malloy, MD

Learning the Needs/Meeting the Needs - G Jolie Ringash, MD

Putting it All Together - Matthew C. Miller, MD

At the conclusion of this session, participants will be able to:

- Understand the key components of survivorship care
- Discuss and prioritize the survivorship needs germane to patients with head and neck cancers
- Implement the use of a cancer treatment summary for patients with head and neck malignancy

Using ATA 2015 Guidelines Tahoma 3

Moderator: Cristina P. Rodriguez, MD

This session will review the ATA 2015 guidelines and apply them to select cases for discussion.

ATA Guidelines Overview - Bryan Haugen, MBCh, FRACS

**Case Presentations - Cristina P. Rodriguez, MD;
Bryan Haugen, MBCh, FRACS; & Jeremy Freeman, MD**

At the conclusion of this session, participants will be able to:

- Discuss and be familiar with the 2015 ATA guidelines
- Review challenging clinical cases the frequently present themselves in clinical practice
- Apply the ATA guidelines to these challenging cases

How to Establish a Surgical Quality and Performance Monitoring Program

Tahoma 4

Moderator: Amy C. Hessel, MD

In this Quality and Safety instructional course, we will introduce and define quality of care in medicine; and will discuss why measuring quality is necessary, and how it can be implemented in a busy academic surgical practice. We will demonstrate examples of how process improvement projects can be introduced into the work flow in order to institute change in practice that reduce variability, improve efficiency and patient satisfaction, and reduce cost.

Introduction - Amy C. Hessel, MD

Introduction to Quality in Medicine - Amy C. Hessel, MD

Tools for Quality Improvement - Carl H. Snyderman, MD, MBA

Practical Uses of Quality Programs and Performance Monitoring In a Surgical Practice - Randal S. Weber, MD

At the conclusion of this session, participants will be able to:

- Understand the history of quality and safety in medicine including its development and the goals for improvement.
- Recognize the different levels in which quality and safety can be applied to a surgical practice
- Understand how to implement rapid turn-over process improvement projects that will improve the quality of care within a surgical practice

2:00 pm - 3:00 pm

INSTRUCTIONAL COURSES #5
New Technology for Thyroid and Parathyroid Surgery

4F

Moderator: Alfred A. Simental, MD

This session will address the rising discovery of asymptomatic thyroid nodules and potential tools to decrease the need for thyroid surgery. In addition, didactic lecture with case presentation demonstrating minimally invasive thyroid surgical techniques will be given by the faculty. Time will be given for an interactive question / answer and comment session regarding the potential implementation of these techniques.

Introduction - Alfred A. Simental, MD

The Rising Tide of Thyroid and Robotic Surgery - Alfred A. Simental, MD

Approaches to Robotic Thyroid Surgery: The American Experience - Emad Kandil, MBChB

Approaches to Robotic Thyroid Surgery :

Scientific Program

Pre-Meeting Courses

The Korean Experience -

Eun Chang Choi, MD

Where We Are Now: Questions and Answers

At the conclusion of this session, participants will be able to:

- Categorize and order pathological tests that may result in decreased need for surgical intervention
- Understand the role of minimally invasive techniques in thyroid surgery, especially the advantages and pitfalls of robotic surgery
- Articulate and compare robotic, video-assisted, and traditional thyroid surgical techniques

Engaging Surgeons in Multicenter Randomized Trials

4C-1-2

Moderator: Christian H. Simon, MD

This session will use a TV show design with one moderator, a medical oncologist, interviewing two surgeons, one from Europe, and one from the US. Within this moderated discussion we will address currently ongoing/planned surgical HN-trials, discuss aspects of surgical trial design and quality assurance, and differences of surgical versus non-surgical innovations.

Introduction -

Lisa Licitra, MD

The US-Viewpoint -

Erich M. Sturgis, MD

The European Viewpoint -

Christian H. Simon, MD

At the conclusion of this session, participants will be able to:

- Compare ongoing surgical head and neck cancer trials
- Appraise the importance of engagement in surgical trial activity
- Integrate quality assurance platforms for surgery into surgical clinical trial design and conduct

Comprehensive Management of Melanoma of the Head and Neck

4C-3

Moderator: Carol R. Bradford, MD

The session will review the current NCCN guidelines and evidence basis for melanoma work-up and treatment, including a discussion of the role of sentinel lymph node biopsy. Current systemic treatment approaches will be presented as well.

Introduction -

Carol R. Bradford, MD

Head and Neck Cutaneous Melanoma: Current State of the Art -

Carol R. Bradford, MD

Advanced Melanoma: Systemic Therapy for a Systemic Disease -

Shailender Bhatia, MD

At the conclusion of this session, participants will be able to:

- Articulate the current guidelines for work-up and treatment of cutaneous melanoma of the head and neck

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- Demonstrate a working knowledge of the indications and technical aspects of performing sentinel lymph node biopsy in cutaneous melanoma of the head and neck
- Recognize the dramatic improvements in outcome realized by recent advancements in systemic therapy of metastatic melanoma

Imaging: Current Guidelines and Standards and Future Developments

4C-4

Moderator: Rathan Subramaniam, MD, PhD

This course will review current guidelines and standard of imaging Oral cavity, oropharynx, larynx and nasopharynx using CT, PET/CT and MRI and future developments.

Introduction -**Rathan Subramaniam, MD, PhD****Larynx and Nasopharynx -****Nafi Ayygun, MD****Oral cavity and oropharynx -****Yoshimi Anazi, MD, MPH**

At the conclusion of this session, participants will be able to:

- Recognize the imaging recommendation for head and neck cancers from 2016 NCCN guideline
- Discuss the new evidence development that require changes in clinical practice for implementing CT, PET/CT and MRI
- Provide the imaging recommendation for managing head and neck cancers

Non-Melanoma Skin Cancer:

Tahoma 1

Novel Therapies, Surgery and Reconstruction**Moderator: Christopher F.L. Perry, MD**

This session will use a case management format to discuss investigations and then surgical options for advanced non-melanoma skin cancer that will concentrate on the very large, mostly SCC's and to a lesser extent BCC's, that unfortunately grow in abundance in Australia and California. We will discuss treatment options for nodal deposits in the parotid gland and neck and the possible role of sentinel node biopsy. We will discuss the indications and scope of lateral temporal bone excisions and the indications for surgical treatment of the jaw joint, mandible and spread along the auriculo-temporal nerve and spread towards the cavernous sinus. We will look at the appropriate investigations for perineural spread of disease and the reconstructive options for the large defects left behind from excising large cancers. We will discuss radiation therapies and possible medical therapies available for active treatment for cure and for palliation of advanced disease.

The Pattern of Nodal Spread of Head and Neck**Non-Melanoma Skin Cancers -****Jonathan Clark, MBBS, BSc****Investigations of Massive Cancers around the Temporal Bone and Ear and The Investigation and Treatment of Large Nerve Perineural Infiltration of Cancer including Intracranial Extension -****Christopher F.L. Perry, MD**

Scientific Program

Pre-Meeting Courses

Role of Radiation Oncology Strategies for Curative and Palliative Treatment for the Aggressive and Advanced Non-Melanomatous Skin Cancers - Sue Yom, MD

Cases from The Sunny Bad Lands - Christopher F.L. Perry, MD

At the conclusion of this session, participants will be able to:

- Assess the likelihood of disease spread to the parotid gland and neck and will be able to determine the extent of surgery which, when combined with postoperative radiotherapy, may not need to be as extensive as previously thought, such as the use of sentinel node biopsy.
- Discuss appropriate investigations for potential large spreading head and neck skin cancers and plan appropriate extirpative and palliative treatments.
- Apply the investigations to sensible operative planning for cancer excision and reconstruction often with combined surgical teams of head and neck surgeons, reconstructive surgeons and neurosurgeons.

Toolbox: Measurement of Function and Patient-Reported Outcomes

Tahoma 2

Moderator: G Jolie Ringash, MD

This session will summarize a document developed under the auspices of the US NCI Head and Neck Cancer Steering Committee to assist clinicians and researchers in the head and neck cancer field with measurement, reporting and communication about quality of life and functional issues. We will discuss the process for developing this document, explain how recommended instruments were chosen, and give examples from our own practice of how we use this document to better communicate with our patients.

Why a Toolbox? -

John A. Ridge, MD, PhD

Choosing the Tools -

Bevan Yueh, MD

Applying the Tools -

G Jolie Ringash, MD

Q&A

At the conclusion of this session, participants will be able to:

- Identify and incorporate measures of quality of life and function in their practice
- Understand the basic principles of measurement as applied to tools for head and neck cancer patients
- Use the Toolbox to identify tools that will help them in their patient care and research

Integrating Palliative Care into the Management of the Patient with Recurrent or Advanced HNC

Tahoma 3

Moderator: Jonas T. Johnson, MD

This session will use a case management format to discuss the challenges of integrating palliative care into the management of patients with recurrent or advanced head and neck cancer.

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Identification Of Patient for Whom Active Therapy May No Longer Be Appropriate: The Problem - Jonas T. Johnson, MD

Palliative Care in Head and Neck Oncologic Surgery: When? - Robert H. Lindau, MD

At the conclusion of this session, participants will be able to:

- Understand the potential for low value care
- Implement a strategy to identify high risk patients
- Recognize alternative interventions which may include palliative care

Decision Making in Larynx Cancer – Tahoma 4
Early, Intermediate and Advanced Stage Disease

Moderator: Andreas Dietz, MD

The participants will get some systematic and structured guidelines for Treatment of the upper mentioned entities. More over, decision making in advanced laryngeal cancer will be discussed more comprehensive since current data for organ preservation demonstrate superiority in stage IVA disease compared to RCH.

Decision Making and Treatment Options in Laryngeal Cancer with Focus on TLM and TORS - Marc J. Remacle, MD, PhD

Decision Making in Larynx Cancer - Early, Intermediate Stage Disease - Maie St. John, MD, PhD

Decision Making In Larynx Cancer - Intermediate and Advanced Disease with Focus on Better Patient Selection for Total Laryngectomy or Organ Preservation Chemo Radiation - Andreas Dietz, MD

At the conclusion of this session, participants will be able to:

- Decide therapy options for larynx cancer in regard of current outcome data of organ preservation strategies
- Develop treatment paradigms
- Interpret better clinical and tumor biological signs

3:00 pm - 3:30 pm **Break In Foyer**

3:30 pm - 4:30 pm **INSTRUCTIONAL COURSES #6** 4F

Sentinel Lymph Node Biopsy: Indications, Technique and Pitfalls

Moderator: Sandro J. Stoeckli, MD

This session will discuss the current indications, new technology, existing literature and future developments in sentinel node biopsy for oral squamous cell carcinoma

Introduction - Sandro J. Stoeckli, MD

Indications and Technique Of Sentinel Node Biopsy for Oral Cancer - Sandro J. Stoeckli, MD

How to Reliably Detect the Sentinel Nodes - Amit Agrawal, MD

What's the Evidence We Have and What Evidence We Need ? - Stephen Y. Lai, MD, PhD

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At the conclusion of this session, participants will be able to:

- Appraise the vast evidence supporting the concept of sentinel node biopsy
- Integrate technology needed for sentinel node biopsy in their specific setting
- Identify and manage pitfalls of the sentinel node procedure

“Doing Research”: Setting up a Clinical and Translational Research Program 4C-12

Moderator: James Rocco, MD, PhD

Through a series of short presentations and a question and answer session, the session will provide insights into setting up a successful translational research program. An overview of critical issues, NIH funding mechanisms, and different training programs to support Setting Up a Clinical and Translational Research Programs will be discussed.

Introduction - Overview and Insights - James Rocco, MD, PhD
NIH Funding - Richard J. Wong, MD

Clinical Scientists Protected Time for Research and Full Spectrum Medical Education - Barbara Wollenberg, MD, PhD

At the conclusion of this session, participants will be able to:

- Discuss the critical role of mentorship in Setting Up a Clinical and Translational Research Program
- Explain the NIH funding mechanism and its role in a successful Clinical and Translational Research Program
- Provide different training mechanisms during residency can promote the development of a Setting Up a Clinical and Translational Research Program

Management of the Facial Nerve in Parotid Malignancy 4C-3

Moderator: John Yoo, MD, FRCS

An Overview of Parotid Malignancies - Russell B. Smith, MD

Surgical Management of the Facial Nerve During Parotidectomy - Vincent Vander Poorten, MD

Reconstruction of the Paralyzed Face - John Yoo, MD, FRCS

Case Presentations

At the conclusion of this session, participants will be able to:

- Understand the appropriate evaluation of patients with parotid tumours
- Recognize situations when the facial nerve can be preserved versus require facial nerve sacrifice
- Describe the important aspects of facial paralysis, apply traditional reconstructive approaches, and some novel techniques that can be applied to their clinical practice

Saturday, July 16, 2016

Sunday, July 17, 2016

Monday, July 18, 2016

Tuesday, July 19, 2016

Wednesday, July 20, 2016

Radiation Therapy Advances

4C-4

Moderator: Andy Clump, MD, PhD**Speakers: Clifton D. Fuller, MD, PhD & Jiade Lu, MD, MBA****Robotic Thyroidectomy and Parathyroidectomy**

Tahoma 1

Moderator: Alfred A. Simental, MD

This session will address the rising interest and utilization of robotic surgery among patients and clinicians as it pertains to thyroid and parathyroid disorders. We will present information stemming from personal previous research and clinical practice in a case based didactic lecture. Following the formal presentations, an interactive audience session will be employed to discuss salient ideas pertaining to robotic thyroid and parathyroid surgery.

Introduction -**Alfred A. Simental, MD****The Rising Tide of Thyroid and Robotic Surgery -****Alfred A. Simental, MD****The Asian Experience with Robotic Thyroid and Parathyroid Surgery -****Kyung Tae, MD, PhD****The American Experience with Robotic Thyroid and Parathyroid Surgery -****David J. Terris, MD****Where We Are and Why? Question and Answers**

At the conclusion of this session, participants will be able to:

- Understand the growing need for thyroid and parathyroid surgical intervention.
- Articulate the role of robotic surgery as it pertains to thyroid and parathyroid surgery, especially identifying international utilization differences.
- Integrate the option of robotic surgery into their treatment algorithm for thyroid and parathyroid disorders.

Measuring Swallowing Function

Tahoma 2

Moderator: Katherine A. Hutcheson, MD

Swallowing outcome measures will be discussed by a multi-national, interdisciplinary panel. The panel will cover novel metrics and pragmatic considerations for implementing standardized swallowing measures using PROs, videofluoroscopy, endoscopy, high-resolution manometry, and clinical examinations.

Introduction -**Katherine A. Hutcheson, MD****DIGESTing Swallowing Metrics -****Katherine A. Hutcheson, MD****Water Swallow Tests & Beyond in the UK -****Jo Patterson, MD****Pharyngeal High Resolution Manometry -****Timothy M. McCulloch, MD**

At the conclusion of this session, participants will be able to:

- Review best practice for swallowing outcome measurement

Scientific Program

Pre-Meeting Courses

- Explain novel metrics for videofluoroscopy dysphagia classification
- Describe protocol for implementation of high resolution manometry as a pharyngeal measure

Using Social Media and the Internet in a Head and Neck Practice

Tahoma 3

Moderator: Yoon Woo Koh, MD, PhD

Speaker: Brian Nussenbaum, MD

New Technologies and Developments in Head and Neck Reconstruction

Tahoma 4

Moderator: Daniel G. Deschler, MD

Through faculty presentations, we will review recent technological advances in head and neck reconstructive surgery focusing on virtual surgical planning for mandibular and maxillary reconstruction, reconstruction of surgical defects after transoral robotic surgery, and effective incorporation of new flap techniques into reconstructive practice - reviewing the supraclavicular flap. Question and answer session will follow the presentations

Introduction -

Daniel G. Deschler, MD

Virtual Planning for Reconstruction of Complex -

Neal D. Futran, MD, DMD

Reconstruction after Transoral Robotic Surgery -

Min-Sik Kim, MD, PhD

Incorporating a New Flap into your Surgical Practice -

Daniel G. Deschler, MD

At the conclusion of this session, participants will be able to:

- Distinguish specific advantages afforded by the utilization of virtual planning for the reconstruction of complex head and neck defects.
- Employ reproducible techniques to safely and effectively reconstruct upper aerodigestive tract defects following transoral robotic surgery.
- Identify key processes to assist with the integration and assimilation of new reconstructive techniques such as the supraclavicular flap.

Sunday, July 17, 2016

6:30 am - 7:45 am **Medrobotics Satellite Symposium**
Flexible Robotic Surgical System for Oropharynx, Hypopharynx and Larynx
This is a NON-CME activity and was not planned by AHNS.

Speakers: Dr. Umamaheswar Duvvari,
Dr. David Goldenberg, Prof. Stephan Lang and
Prof. Marc Remacle

8:00 am - 9:00 am **Opening Ceremony** 4F

7:50 am **Local Entertainment**

8:10 am **Welcome by Conference Leadership -** Jonathan Irish, MD

8:20 am **Recognition of International Delegates -** Jonathan Irish, MD

8:30 am **Program Overview -** Robert L Ferris, MD, PhD

8:40 am **Introduction of Conference Chair
Guest of Honor -** Jonathan Irish, MD

8:45 am **Introduction of Presidential Guest of Honor -** Dennis Kraus, MD

8:55 am **Concluding "Opening Ceremonies" Remarks**

9:00 am - 9:45 am **John J. Conley Lecture** 4F

***Building a Safe, High Quality and
Effective Health Care System: Views
from a Surgical Oncologist, CEO, and
Deputy Minister of Health***



Robert S. Bell, CM, MSc, MD, FRCS

Deputy Minister of Health,
Province of Ontario, Canada;

Former CEO-University Health Network, Toronto;
Orthopedic Surgical Oncologist

Introduction by: Jonathan Irish, MD

9:45 am - 10:15 am **Keynote Lecture** 4F



Curt Cronin

Founder, Mastery Technologies; Former Leader
Navy SEAL Team

Introduction by: Dennis H. Kraus, MD

10:15 am - 10:45 am **Break In Exhibit Hall** 4E

10:45 am - 12:15 pm **PANELS OR PROFFERED PAPERS** 4F

Panel: Imaging and Head and Neck Cancer: Pretreatment Assessment and Intraoperative Technology

Moderators: Eugene Yu, MD & Rathan Subramaniam, MD, PhD

This session will review the up to date imaging and intraoperative technology that can be utilized in the assessment and treatment of sinonasal, oropharyngeal, oral cavity and laryngohypopharyngeal cancer

Imaging of Sinonasal Neoplasia - Eugene Yu, MD

Intraoperative technologies to Aid in Surgical Access and Prevention of Neurovascular Injuries - Eric Wang, MD

Role of Imaging and New technologies on Current Radical Curative Treatment of Oral and Oropharyngeal Cancer - Luiz P. Kowalski, MD, PhD

Imaging and Head and Neck Cancer: Laryngeal and Hypopharyngeal Cancer - Stephan Haerle, MD

At the conclusion of this session, participants will be able to:

- Understand the rationale of selecting cost-effective image methods that improve the accuracy of pre-treatment staging and can affect treatment decisions.
- Identify surgical scenarios that could benefit from the use of intraoperative Doppler ultrasonography and neurophysiologic simulation.
- Utilize triplanar image guidance to supplement anatomical knowledge for the identification of key neurovascular structures and assess adequate surgical access.

Panel: Genomics and Personalized Medicine Technology Guiding Head and Neck Cancer Care

4C-1-2

Moderators: Lillian L. Siu, MD & Barbara Wollenberg, MD, PhD

In this session the five speakers will provide an overview of genomics and personalized medicine in the field of head and neck cancer including the main findings of genomic studies for the clinician scientist, with a goal of leveraging this new knowledge to advance precision medicine and improve patient outcomes.

Basket Trials and Targeted Agents - Christine Chung, MD

TCGA Review - Wendell G. Yarbrough, MD, MMHC

Intratumor Heterogeneity - James Rocco, MD, PhD

Molecular Profiling to Understand Drug Resistance - Lillian L. Siu, MD

Using Genomics to Predict Response to Immunotherapy - Tanguy Seiwert, MD

At the conclusion of this session, participants will be able to:

- Present challenges and opportunities in conducting basket trials of targeted agents in head and neck cancer

- Provide an overview of molecular characterization of head and neck cancer using TCGA data and discuss how TCGA will help develop individualized treatment.
- Discuss how spatial and temporal intratumoral heterogeneity challenge the clinical value of TCGA data
- Illustrate an overview on how molecular profiling can inform drug resistance
- Demonstrate how genomics can assist in patient selection for immunotherapy

Panel: Sinonasal and Skull Base Surgery: Technology Advancing the Frontiers

4C-3

Moderators: Dennis Kraus, MD & Piero Nicolai, MD

This session will utilize focused presentations describing technological advancements as it impacts on management of sinonasal and skull base tumors. The impact of these new technologies on the ability to resect tumors with limited morbidity and impact on quality of life will be stressed.

Introduction -	Dennis H. Kraus, MD
Intraoperative Imaging and Tracking -	Bert W. O'Malley, MD
Techniques and Pitfalls -	Derrick Lin, MD
PRO/QOL -	John R. de Almeida, MD, MSc
Induction Therapy -	Lisa Licitra, MD
New Technologies -	Piero Nicolai, MD

Discussion

At the conclusion of this session, participants will be able to:

- Identify patients who will benefit from image guided surgery for skull base surgery
- Articulate the impact of quality of life on patients undergoing treatment for skull base lesion
- Assess the impact of induction chemotherapy in a subset of patients being treated for advance sinonasal malignancy

Proffered Papers: Imaging and Detection

4C-4

Moderators: Stephen Y. Kang, MD & Michiel Van Den Brekel, MD, PhD

S001 SCREENING FOR HEAD AND NECK TUMORS BY IN VIVO DETECTION OF THEIR FIELD-EFFECT IN THE BUCCAL MUCOSA USING REFLECTANCE SPECTROSCOPY; PRELIMINARY DATA

Oisín Bugter, MD, [Arta Hoesseini, MD](#), Jose A Hardillo, MD, PhD, Ben Giepmans, MD, PhD, Robert J Baatenburg de Jong, MD, PhD, Arjen Amelink, PhD, Dominic J Robinson, PhD; Erasmus University Medical Center

S002 SPECTROSCOPIC DETECTION OF ORAL NEOPLASIA

[Richard A Schwarz, PhD¹](#), Michelle D Williams, MD², Nadarajah Vigneswaran, BDS, DrMedDent, DMD³, Rebecca Richards-Kortum, PhD¹, Ann M Gillenwater, MD²; ¹Rice University, ²The University of Texas M. D. Anderson Cancer Center, ³The University of Texas School of Dentistry at Houston

S003 MARGIN CONTROL TECHNIQUES TO IMPROVE NEGATIVE MARGIN RATES IN ONCOLOGIC SURGERY - A SYSTEMATIC REVIEW
 Paul Nankivell, BA, BMBCh, PhD, FRCS, Luke Mason, Daniel Lin, BSc, Hon, MBChB, Neil Sharma, MBChB, PhD, FRCS(ORL-HNS), Hisham Mehanna, PhD, BMedSc, hons, MBChB, hons, FRCS; University of Birmingham

S004 FDG-PET/CT 12 WEEKS AFTER END OF CONCURRENT CHEMORADIATION IN PATIENTS WITH LOCALLY ADVANCED HEAD AND NECK SQUAMOUS CELL CARCINOMA: A PROSPECTIVE MULTI-CENTER TRIAL.

Olivier M Vanderveken, MD, PhD¹, Nils Helsen, MS², Olivier Lenssen, MD, FEBOMFS³, Carl Van Laer, MD¹, Steven Mariën, MD¹, Remco De Bree, MD, PhD⁴, Joost van Dinter, MD⁵, Sara Hakim, MD⁶, Kristof Deben, MD⁷, Isabel Hutsebaut, MD⁸, Philip R Debruyne, MD, PhD, MS, FRCP⁹, Michel J Martens, MD¹⁰, Danielle Van den Weyngaert, MD¹¹, Laurens Carp, MD², Tim Van Den Wyngaert, MD, PhD², Sigrid Stroobants, MD, PhD², On Behalf Of The ECLYPS investigators²; ¹Department of ENT-HNS, Antwerp University Hospital, University of Antwerp, Antwerp, BELGIUM, ²Department of Nuclear Medicine, Antwerp University Hospital, University of Antwerp, Antwerp, BELGIUM, ³Department of Maxillofacial Surgery, ZNA Middelheim, Antwerp, BELGIUM, ⁴Head and Neck Surgical Oncology, UMC Utrecht Cancer Center, University Medical Center Utrecht, Utrecht, The Netherlands, ⁵Department of ENT-HNS, GZA Sint-Augustinus, Wilrijk, BELGIUM, ⁶Department of Nuclear Medicine, VU Medical Center, Amsterdam, The Netherlands, ⁷Department of ENT-HNS, Jessa Hospital, Hasselt, BELGIUM, ⁸Department of Radiotherapy, AZ Sint-Jan, Brugge, BELGIUM, ⁹Department of Medical Oncology, AZ Groeninge, Kortrijk, BELGIUM, ¹⁰Department of Radiotherapy, AZ Turnhout, Turnhout, BELGIUM, ¹¹Department of Radiotherapy, ZNA Middelheim, Antwerpen, BELGIUM

S005 DYNAMIC CONTRAST-ENHANCED MRI DETECTS ACUTE RADIOTHERAPY-INDUCED ALTERATIONS IN MANDIBULAR MICROVASCULATURE: PROSPECTIVE ASSESSMENT OF IMAGING BIOMARKERS OF NORMAL TISSUE INJURY

Vlad C Sandulache, Brian P Hobbs, Abdallah S Mohamed, Steven J Frank, Katherine A Hutcheson, Jan S Lewin, Jason M Johnson, Mark S Chambers, Rivka R Colen, Theresa M Hofstede, David I Rosenthal, John D Hazle, Gary B Gunn, Randal S Weber, Clifton D Fuller, Stephen Y Laj; UT MD Anderson Cancer Center

S006 AUGMENTED FLUORESCENCE LIFETIME IMAGING FOR ENHANCED TUMOR MARGIN DELINEATION DURING TRANS-ORAL ROBOTIC SURGERY (TORS)

D. Gregory Farwell, Professor, and, Vice, Chair¹, Jennifer Phipps, PhD¹, Dimitris Gorpas¹, Dinglong Ma¹, Julien Bec¹, Diego Yankelevich¹, Jonathan Sorger², Regina Gandour-Edwards, MD¹, Arnaud Bewley, MD¹, Laura Marcu, PhD¹; ¹UC Davis, ²Intuitive Surgical

S007 TUMOUR VOLUME IN EARLY STAGE NASOPHARYNGEAL CARCINOMA IS A GOOD PREDICTOR OF DISEASE RECURRENCE AND OVERALL PATIENT SURVIVAL

Yu Shiang Seet¹, Stefan Mueller², Yoke Lim Soong³, Hiang Khoo Tan⁴; ¹National University of Singapore, Yong Loo Lin School of Medicine, ²Department of Surgical Oncology, National Cancer Centre Singapore, ³Department of Radiation Oncology, National Cancer Centre Singapore, ⁴SingHealth Duke-NUS Head and Neck Centre

S008 THE USE OF AMBIENT MASS SPECTROMETRY IN THE DIAGNOSIS OF ORAL CAVITY SQUAMOUS CELL CARCINOMA

Michael Moore, MD¹, Cedric D'Hue, JD², R. Graham Cooks, PhD²; ¹UC Davis Medical Center, ²Purdue University

S009 18F-FDG PET/CT VERSUS HUMAN PAPILLOMAVIRUS, P16, AND EPSTEIN-BARR VIRUS DETECTION IN CERVICAL METASTATIC LYMPH NODES FOR IDENTIFYING PRIMARY TUMORS

Gi Cheol Park, MD¹, Jong-Lyel Roh, MD, PhD², Kyung-Ja Cho, MD, PhD³, Jae Seung Kim, MD, PhD⁴, Seung-Ho Choi, MD, PhD², Soon Yuhl Nam, MD, PhD², Sang Yoon Kim, MD, PhD²; ¹Department of Otolaryngology, Samsung Changwon Hospital, Sungkyunkwan University School of Medicine, Changwon, Republic of Korea, ²Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea, ³Department of Pathology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea, ⁴Department of Nuclear Medicine, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea

Proffered Papers: Best of Clinical I

Tahoma 1

Moderators: Eric J. Dierks, MD, DMD; Steve Kim, MD; & Susan D. McCammon, MD

S010 AN ANALYSIS OF POSTOPERATIVE COMPLICATIONS AND THEIR ASSOCIATION WITH HOSPITAL READMISSION AFTER HEAD AND NECK SURGERY

Andres M Bur, MD, Carolyn L Mulvey, MD, Robert M Brody, MD, Jason G Newman, MD, Steven B Cannady, MD, Jason A Brant, MD; University of Pennsylvania

S011 A PHASE 3, RANDOMIZED, OPEN-LABEL STUDY OF FIRST-LINE DURVALUMAB (MEDI4736) +/- TREMELIMUMAB VERSUS STANDARD OF CARE (SOC; EXTREME REGIMEN) IN RECURRENT/METASTATIC (R/M) SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK (SCCHN): KESTREL

Amanda Psyrr¹, Jared Weiss², Shrujal Baxi³, Myung-Ju Ahn⁴, Jerome Fayette⁵, Maura Gillison⁶, Jean-Pascal Machiels⁷, Shunji Takahashi⁸, Kevin Harrington PhD, FRCP, FRCR⁹, Giovanni Melillo¹⁰, April Franks¹⁰, Ugochi Emeribe¹⁰, David Raben¹¹, Michael McDevitt¹⁰, Tanguy Seiwert¹²; ¹Second Department of Internal Medicine, Attikon University Hospital, National Kapodistrian University of Athens, Athens, Greece, ²Division of Hematology and Oncology, UNC Lineberger Comprehensive Cancer Center, North Carolina, USA, ³Department of Medicine, Memorial Sloan-Kettering Cancer Center, New York, USA, ⁴Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, ⁵University of Lyon, Centre Léon Bérard, Lyon, France, ⁶Department of Internal Medicine, The Ohio State University Comprehensive Cancer Center, Ohio, USA, ⁷Department of Medical Oncology, Université Catholique de Louvain Cliniques Universitaires St-Luc, Brussels, Belgium, ⁸Department of Medical Oncology, Cancer Chemotherapy Center and Cancer Institute Hospital, Japanese Foundation for Cancer Research, Tokyo, Japan, ⁹The Royal Marsden Hospital, London, UK, ¹⁰Immuno-Oncology GMD, AstraZeneca, Gaithersburg, USA, ¹¹University of Colorado Cancer Center, University of Colorado, Colorado, USA, ¹²Department of Oncology, University of Chicago, Chicago, USA

S012 REDUCING PATIENT WAIT TIME: A QUALITY IMPROVEMENT PROJECT IN A HEAD AND NECK CANCER CLINIC

Natalie L Silver, MD, Miguel Lozano, Ehab Hanna, MD, Carol Lewis, MD, Amy Hessel, MD, Jeremy Meade, Randal Weber, MD; MD Anderson Cancer Center

S013 CURING LARYNGEAL CANCER - THE MICHIGAN EXPERIENCE: SURVIVAL RESULTS AND FUTURE CHALLENGES

Gregory T Wolf, MD¹, Francis Worden, MD¹, Emily Bellile, MS¹, Susan Urba, MD¹, Carol R Bradford, MD¹, Avraham Eisbruch, MD¹, Thomas E Carey, PhD¹, Jeremy M Taylor, PhD¹, Theodoros N Teknos, MD², Douglas B Chepeha, MD³, Scott McLean, MD¹, N D Hogikyan, MD¹, Um Head and Neck SPORE Program¹; ¹University of Michigan, ²Ohio State University, ³University of Toronto

S014 PREDICTING LENGTH OF STAY IN HEAD AND NECK PATIENTS WHO UNDERGO FREE FLAP RECONSTRUCTION

Rosh K Sethi, MD, MPH¹, Sidharth V Puram, MD, PhD¹, Anuraag Parikh, MD¹, Bharat Yarlagadda, MD², Neerav Goyal, MD³, Tjosoan Tjoa, MD¹, Mark A Varvares, MD¹, James Rocco, MD, PhD⁴, Kevin S Emerick, MD¹, Derrick Lin, MD¹, Marlene Durand, MD¹, Daniel G Deschler, MD¹; ¹Massachusetts Eye and Ear Infirmary, ²Lahey Clinic, ³Penn State Hershey Medical Center, ⁴Ohio State University

S015 EFFICACY OF A HIGH-OBSERVATION PROTOCOL (HOP) IN MAJOR HEAD AND NECK CANCER SURGERY: A PROSPECTIVE STUDY

Brittany Barber, MD, MHA, FRCSC¹, Jeffrey Harris, MD, MHA, FRCSC¹, Cameron Shillington, BSc¹, Shannon Rychlik, RN¹, Joseph Dort, MD, MSc, FRCSC², Michael Meier, MD, FRCSC¹, Khalid Ansari, MD, MEd, FRCSC¹, Vincent Biron, MD, PhD, FRCSC¹, Daniel O'Connell, MD, MSc, FRCSC¹, Hadi Seikaly, MD, MAL, FRCSC¹; ¹University of Alberta, ²University of Calgary

S016 THE ROLE OF ADJUVANT CHEMOTHERAPY IN THE MANAGEMENT OF SINONASAL SQUAMOUS CELL CARCINOMA: A NATIONAL CANCER DATABASE REVIEW

Brian Thorp, MD¹, Jose Zevallos, MD, MPH¹, Julie Kobie, MS², Alexander Lin, MD², John Lukens, MD², Nandita Mitra, PhD², Adam Zanation, MD¹, Samuel Swisher-McClure, MD, MSHP²; ¹University of North Carolina - Chapel Hill, ²University of Pennsylvania

S017 MARGIN ASSESSMENT IN ORAL CANCER SURGERY

Marisa R Buchakjian, MD, PhD, Kendall K Tasche, MD, Nitin A Pagedar, MD, MPH, Steven M Sperry, MD; University of Iowa Hospitals and Clinics

S018 MELANOMA OF THE HEAD AND NECK, AN ANALYSIS OF THE NATIONAL CANCER DATABASE (NCDB)

Paul Lennon, MD, Benjamin Roman, MD; Memorial Sloan Kettering Cancer Centre

Proffered Papers: Robotics I

Tahoma 2

Moderators: David M. Cognetti, MD; & Metin Onerci, MD

S019 ENDOSCOPE-ASSISTED TRANSORAL REMOVAL OF A THYROID GLAND CYST USING A FRENOTOMY INCISION: A PROSPECTIVE CLINICAL TRIAL.

Seung Hoon Woo, Prof; Gyeongsang National University

S020 PROSPECTIVE EXPERIENCES OF ROBOTIC HEAD AND NECK SURGERY USING DA VINCI XI SYSTEM : OPENING THE NEW ERA OF HN SURGERY

Ji Hoon Kim, MD¹, Da Hee Kim, MD¹, Jung Min Kim, MD¹, Won Shik Kim, MD¹, Hyung Kwon Byeon, MD, PhD¹, Dong Won Lee,, MD¹, Jae Wook Kim, MD², Jae Hong Park, MD², Myung Jin Ban², Hyun Jun Hong, MD, PhD³, Yoon Woo Koh, MD, PhD¹, Eun Chang Choi, MD, PhD¹; ¹Yonsei University College of Medicine, ²Soonchunhyang University College of Medicine, ³Catholic Kwandong University College of Medicine

S021 CORRELATION OF CLINICAL AND PATIENT-REPORTED OUTCOMES WITH SWALLOW PHYSIOLOGY IN HEAD AND NECK CANCER PATIENTS TREATED WITH SYSTEMIC THERAPY AND RADIOTHERAPY (RT): RESULTS OF A SWALLOWING SUBSTUDY OF CCTG HN.6 (NCT00820248)

Rosemary Martino¹, Stephanie Shaw¹, Elissa Greco¹, Lisa Durkin⁴, Andrea Gomes⁴, Colette Nault², Amy Gantefoer³, Waldron John⁴, Lilian Siu⁴, Ralph Gilbert⁴, Alexander Montenegro-Suris⁵, Wendy Parulekar⁵, Brian O'Sullivan⁴, Bingshu Chen⁵, Jolie Ringash⁴; ¹University of Toronto, ²The Ottawa Hospital, ³Saskatoon Health Region, ⁴Princess Margaret Cancer Centre, ⁵Queens University

S022 A PROSPECTIVE EVALUATION OF DYSPHAGIA AFTER TRANSORAL ROBOTIC SURGERY FOR SQUAMOUS CELL CARCINOMA OF THE OROPHARYNX

William G Albergotti, MD, Keely Anthony, CCCSLP, Jessica Jordan, CCCSLP, Tamara Wasserman-Wincko, MS, CCCSLP, Seungwon Kim, MD, Robert L Ferris, MD, PhD, Umamaheswar Duvvuri, MD, PhD; University of Pittsburgh Medical Center

S023 POSTOPERATIVE HEMORRHAGE IN PATIENTS TREATED BY TRANSORAL ROBOTIC SURGERY (TORS)

Ashley Hay, MBChB, FRCS, MSc, Jocelyn Migliacci, MA, Daniella Karassawa Zaroni, MD, Jay O Boyle, MD, Bhuvanesh Singh, MD, PhD, Richard J Wong, MD, Snehal G Patel, MD, Ian Ganly, MD, PhD; Memorial Sloan Kettering Cancer Center

S024 COMPLICATIONS FOLLOWING TRANSORAL ROBOTIC SURGERY (TORS): A DETAILED INSTITUTIONAL REVIEW OF COMPLICATIONS AND PREDICTIVE FACTORS.

Ashley Hay, MBChB, FRCS, MSc, Jocelyn Migliacci, MA, Daniella Karassawa Zaroni, MD, Jay O Boyle, MD, Bhuvanesh Singh, MD, PhD, Richard J Wong, MD, Snehal G Patel, MD, Ian Ganly, MD, PhD; Memorial Sloan Kettering Cancer Center

S025 TREATMENT OF P16 NEGATIVE RESECTABLE ADVANCED TONSILLAR CANCER, PRIMARY SURGERY OR PRIMARY RADIATION?

Hui-Ching Chuang, MD, PhD, FACS¹, Chih-Yen Chien, MD, FACS¹, Fu-Min Fang, MD, PhD²; ¹Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan, ²Department of Radiation Oncology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

S026 LEARNING CURVE IN TRANSORAL ROBOTIC SURGERY FOR SQUAMOUS CELL CARCINOMA OF THE OROPHARYNX

William G Albergotti, MD, William E Gooding, MS, Mark K Kubik, MD, Seungwon Kim, MD, Umamaheswar Duvvuri, MD, PhD, Robert L Ferris, MD, PhD; University of Pittsburgh Medical Center

S027 PROPHYLACTIC TRANSCERVICAL ARTERIAL LIGATION BEFORE TRANSORAL ROBOTIC SURGERY FOR OROPHARYNGEAL CARCINOMA: AN ANALYSIS OF HEMORRHAGE OUTCOMES

Andres M Bur, MD¹, Madeleine P Strohl, BS², Kyle M Hatten, MD¹, Bert W O'Malley, Jr., MD¹, Gregory S Weinstein, MD¹; ¹University Of Pennsylvania, ²Case Western Reserve University

Proffered Papers: Thyroid/Parathyroid

Tahoma 3

**Moderators: Ilana Doweck, MD;
Joseph Scharpf, MD, FACS; &
Sen-Tien Tsai, MD**

S028 DOES PARATHYROIDECTOMY REVERSE MORTALITY RISK IN PATIENTS WITH PRIMARY HYPERPARATHYROIDISM?: A SYSTEMATIC REVIEW AND META-ANALYSIS

S. Danielle MacNeil, MD, MSc, Rohin Krishnan, Monali Malvankar-Mehta, John Costella, John Yoo; Western University

S029 NORMOCALCEMIC PRIMARY HYPERPARATHYROIDISM: A REVIEW OF A LARGE TERTIARY CARE CENTER'S EXPERIENCE IN ITS SURGICAL MANAGEMENT

Gina Trinh¹, Salem I Nouredine, MD², Jonathon O Russell, MD², Nishant Agrawal, MD², Ralph P Tufano, MD, MBA²; ¹Queen's University School of Medicine, ²Johns Hopkins University School of Medicine

S030 PROTOCOL DRIVEN OUTCOMES IN RENAL PARATHYROID SURGERY

Alexander J Caten, MD¹, Andrew Heffernan, MD², William Duke, MD¹, David Terris, MD¹; ¹Georgia Regents University, ²Eastern Virginia Medical School

S031 CHANGES IN THYROID CANCER INCIDENCE, POST 2009 AMERICAN THYROID ASSOCIATION GUIDELINES.

Lucy Shi¹, Ahmedin Jemal², Carol DeSantis², Amy Y Chen¹; ¹Emory University School of Medicine, ²American Cancer Society

S032 SURGEON VOLUME, SURGICAL EFFICIENCY, AND 30-DAY OUTCOMES AND UTILIZATION AFTER THYROID AND PARATHYROID SURGERY

Charles J Meltzer, MD; The Permanente Medical Group

S033 PREOPERATIVE VITAMIN D LEVEL PREDICTS POST-THYROIDECTOMY HYPOCALCEMIA IN PATIENTS SUSTAINING TRANSIENT PARATHYROID INJURY

Deepa Danan, MD, MBA, David C Shonka, Jr., MD; University of Virginia

S034 SKIP METASTASES IN WELL DIFFERENTIATED THYROID CANCER PATIENTS

Thomas Kaffenberger¹, Jessica H Maxwell², Seungwon Kim¹; ¹University of Pittsburgh, ²Washington DC VA Medical Center

S035 INTRAOPERATIVE PREDICTION OF POST-THYROIDECTOMY HYPOCALCEMIA USING RAPID PARATHYROID HORMONE ASSAY

David S Kim, MD, Robert C Wang, MD; University of Nevada School of Medicine

S036 THE PARADOX OF ULTRASONOGRAPHY FINDINGS IN THE CONTRALATERAL LOBE OF WELL DIFFERENTIATED THYROID CANCER

Anat Bahat Dinur, MD, MPH¹, Igor Sinelnikov, MD², Ben-Zion Joshua, MD¹; ¹Department of otolaryngology & head and neck Surgery Soroka University Medical Center and Ben Gurion University, Beer-Sheva, Israel, ²the pathology institute Soroka University Medical Center and Ben Gurion University, Beer-Sheva, Isra

Proffered Papers:

Tahoma 4

Outcomes/Quality of Life I

Moderators: Remco De Bree, MD, PhD; Peter T. Dziegielewski, MD, FRCSC; & Michael Gibson, MD, PhD

S037 HEAD AND NECK SYNOVIAL SARCOMAS: ANALYSIS OF THE SEER DATABASE

Daniel R Gerry, MD, Mark A Ellis, BA, James K Byrd, MD; MCG at Augusta University

S038 EXPIRATORY MUSCLE STRENGTH TRAINING IN CHRONIC RADIATION-ASSOCIATED ASPIRATORS

Katherine A Hutcheson, PhD¹, Martha P Barrow, MPH¹, Rachel M Hubbard, BS¹, Emily K Plowman, PhD², Stephen Y Lai, MD, PhD¹, George A Eapen, MD¹, David Clifton Fuller, MD¹, Denise A Barringer, MS, CCCSLP¹, Sarah B Jimenez, MS, CCCSLP¹, Leila G Little, MS, CCCSLP¹, Jan S Lewin, PhD¹; ¹UT MD Anderson Cancer Center, ²University of Florida

S039 THE EAST GRINSTEAD CONSENT COLLABORATIVE: NATIONAL AUDIT OF CONSENT FOR HEAD AND NECK PROCEDURES

Jag Dhandu, PhD, FRCS¹, Lisa Rennie, BDS¹, Mohammed Dungarwalla, BDS¹, Hannah Barry, BDS¹, Divya Sharma, BDS, MBBS¹, Adeola Ososami, BDS¹, Veselina Kostova, BDS¹, David Tighe, FRCS¹, Rakash Jatten, FRCS¹, Miles Duncan, MRCS¹, Lisa Greaney, MRCS¹, Anwer Abdullakutty, MRCS¹, Satish Madhavarajan, FRCS¹, Rupert Scott, MRCS², Neil Opie, MRCS³, Ravinder Pabla, FRCS⁴, James Sloane, MRCS⁵, Jiten Parmar, FRCS⁶, Neil DeZoysa, FRCS⁶, Eoin Twohig, MRCS⁷, James Sloane, MRCS⁵, Rory O'Connor, MRCS⁸, Mustafa Al Mustafa, MRCS⁹, Tom Walker, MRCS¹⁰, Adam Holden, BDS, MBBS¹⁰, Siddarth Gowrishankar, FRCS¹¹, Tahir Mirza, FRCS¹², Ken Sneddon, FRCS¹, Jeremy Collyer, FRCS¹, Darryl Coombes, FRCS¹, Paul Norris, FRCS¹, Mike Shelley, FRCS¹, John Tighe, FRCS¹, Aakshay Gulati, FRCS¹, Brian Bisase, FRCS¹, Laurence Newman,

FRCS¹; ¹Queen Victoria Hospital, East Grinstead, ²Exeter and Torbay Hospitals, ³Shrewsbury and Telford Hospitals, ⁴Northwick Park Hospital, ⁵Portsmouth and Chichester Hospitals, ⁶Hull and East Yorkshire Hospitals, ⁷Aintree University Hospital, Liverpool, ⁸Leicester University Hospital, ⁹Worcestershire Royal Hospital, ¹⁰Gloucestershire Royal Hospital, ¹¹Northampton General Hospital, ¹²Luton and Dunstable Hospitals

S040 NSQIP RISK CALCULATOR RELIABILITY IN HEAD AND NECK ONCOLOGY: THE EFFECT OF PRIOR CHEMORADIATION ON NSQIP RISK ESTIMATES FOLLOWING LARYNGECTOMY

Sarah Khayat, MD¹, Elizabeth Cash, PhD², Paul Tennant, MD², Jeffrey Bumpous, MD²; ¹University of Louisville School of Medicine, ²Department of Otolaryngology-HNS & Communicative Disorders, University of Louisville School of Medicine

S041 THE IMPACT OF HEAD AND NECK SURGERY CARE TEAM COMPOSITION ON QUALITY OUTCOMES OF PATIENTS UNDERGOING FREE FLAP RECONSTRUCTION

Varun V Varadarajan, MD, Stewart H Bernard, MD, Michael Baskin, MD, Raja Sawhney, MD, MFA, Brian J Boyce, MD, Peter T Dziegielewski, MD, FRCSC; University of Florida

S042 MICROVASCULAR RECONSTRUCTION OF THE HEAD AND NECK IN A RESOURCE-LIMITED HEALTHCARE SYSTEM

Laureano J Giráldez-Casasnovas, MD, Laureano A Giráldez-Rodríguez, MD; The Voice and Swallowing Center of Puerto Rico

S043 OUTCOMES AND COST EFFECTIVENESS OF EARLY MOBILIZATION IN HEAD AND NECK FREE FLAPS PATIENTS

Asley M Roche, MD, Amy Y Chen, MD, MPH, Mihir R Patel, J Trad Wadsworth, Mark W El-Deiry; Emory University

S044 LYMPH NODE COUNT FROM NECK DISSECTION IS ASSOCIATED WITH OVERALL SURVIVAL IN HEAD AND NECK CANCER

Vasu Divi, MD¹, Michelle M Chen, MD², Brian Nussenbaum, MD³, Davud B Sirjani, MD¹, F Chris Holsinger, MD², Jennifer Shah, MD², Wendy Y Hara, MD²; ¹Stanford University / Palo Alto VA, ²Stanford University, ³Washington University School of Medicine

S045 QUALITY OF CARE AND SHORT AND LONG-TERM OUTCOMES OF OROPHARYNGEAL CANCER CARE IN THE ELDERLY

Christine G Gourin, MD, MPH, Kimberly T Webster, MA, CCCSLP, Hyunseok Kang, MD, MPH, Ana P Kiess, MD, PhD, Robert J Herbert, BS, Kevin D Frick, PhD, David W Eisele, MD, Harry Quon, MD; Johns Hopkins University

12:15 pm - 1:45 pm **Lunch On Own**
OR

12:30 pm - 12:42 pm **Industry Theater: Eisai** Exhibit Hall 4E

Understanding an Available Treatment for Locally Recurrent or Metastatic, Progressive Radioactive Iodine-Refractory Differentiated Thyroid Cancer with Ezra Cohen, M.D.

Not accredited for CME.

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12:45 pm - 12:57 pm **Industry Theater: Cook** Exhibit Hall 4E
and 1:00 pm - 1:12 pm

Advances in Salioendoscopy with Rohan Walevkar, M.D

Not accredited for CME.

AHNS takes no responsibility for the content.

1:15 pm - 1:27 pm **Industry Theater: Eisai** Exhibit Hall 4E

LENVIMA AE Management Workshop: A focus on the most common adverse reactions resulting in dose reductions with Mouhammed Amir Habra, M.D., F.A.C.P., F.A.C.E., Associate Professor

Not accredited for CME.

AHNS takes no responsibility for the content.

OR

12:30 pm - 1:30 pm **Lunch With Professors or Tumor Boards**
Ticket required for all Lunch with Professors or Tumor Board Sessions.

NCCN Guidelines

4F

Moderator: Amy Y. Chen, MD, MPH

The session will discuss the development of the NCCN guidelines for head and neck cancer and the implementation of them in clinical practice.

Introduction - Amy Y. Chen, MD, MPH

Development of Head and Neck NCCN Guidelines - John A. Ridge, MD, PhD

How Do I Implement These Guidelines in My Practice? - Min Yao, MD, PhD

At the conclusion of this session, participants will be able to:

- Explain the process by which the Head and Neck NCCN guidelines are developed
- Discuss how to implement the NCCN guidelines in their practice.
- Assess the limitations and benefits of the NCCN guidelines.

Skull Base Imaging for the Endoscopic Surgeon

4C-1-2

Moderator: Eric Wang, MD

Using a case based format, the role of CT, MRI and PET in the initial evaluation, surveillance and evaluation of recurrences for sinonasal malignancies involving the skull base will be defined. Additionally, clinical scenarios that may benefit from less utilized imaging techniques such as transarterial angiography with embolization, CT angiography and PET-MRI fusion will be discussed.

Specialized Protocols in Skull Base Imaging - Barton F. Branstetter, IV, MD

Tumor Targeted Intra Operative Imaging in Skull Base Surgery - Bert W. O'Malley, MD

Skull Base Imaging: Case Examples - Eric Wang, MD

At the conclusion of this session, participants will be able to:

- Articulate the benefits of CT maxillofacial, CT angiography and MRI modalities in specific clinical situations such as orbital, intracranial and perineural spread in the evaluation of sinonasal malignancies.
- Assess the value of PET-CT in the work-up and routine cancer surveillance of sinonasal malignancies.
- Describe the role of less utilized and emerging imaging technologies such as intraoperative tumor imaging, transarterial embolization and PET-MRI may have a role in the current and future management of skull base pathologies.

Debate – Do We Change Treatment of HPV+ Disease Yet? Or What is the Ideal Treatment Algorithm for HPV+ OPC? 4C-3

Moderator: Danny Rischin, MD

No, Not Yet - **Danny Rischin, MD; Gregory S. Weinstein, MD**

Does it Matter? - **Gregory S. Weinstein, MD**

Behavioral Science in Head and Neck Cancer 4C-4

Moderator: Anil Chaturvedi, MD

Speaker: Lori Bernstein, MD, PhD

Debate – Extent of Surgery in Thyroid Cancer Tahoma 1

Moderator: Gregory L. Randolph, MD

The session will discuss the recognition of thyroid cancer risk group preoperatively in order to make the best decision as to extent of surgery for thyroid cancer. This will be done through two brief presentations and through case presentations.

Introduction -

Additional Considerations - Gregory L. Randolph, MD

The Argument for Total Thyroidectomy - Kang-Dae Lee, MD

The Argument for Lobectomy - Ashok R. Shaha, MD

Case Presentation and Q&A

At the conclusion of this session, participants will be able to:

- Distinguish the patient’s risk group preoperatively.
- Apply the appropriate extent of surgical initial management based on the patient’s preoperative risk group.
- Determine the patient’s candidacy for central neck dissection as well as extent of thyroidectomy.

Tumor Board: Melanoma Tahoma 2

Moderator: Cecelia Schmalbach, MD, MS

This audience interactive panel will present melanoma cases in a tumor board fashion. In doing so, the current 2016 standards for melanoma work-up and treatment will be highlighted.

Introduction & Epidemiology - Cecelia Schmalbach, MD, MS

Case 1: Localize Stage I/II Melanoma - Cecelia Schmalbach, MD, MS

Case 2: Stage III Melanoma - Shailender Bhatia, MD

Case 3: Stage IV Metastatic Disease - Shailender Bhatia, MD

Q&A Session - Cecelia Schmalbach, MD, MS

At the conclusion of this session, participants will be able to:

- Perform a comprehensive work-up and staging of head and neck cutaneous melanoma

Scientific Session

Sunday, July 17, 2016

- Council patients on the role and associated perioperative course for sentinel node biopsy
- Conduct a meaningful conversation with patients regarding novel targeted adjuvant therapy for advance, metastatic melanoma.

Tumor Board: Oral Cavity

Tahoma 3

Moderator: Fernando L. Dias, MD, PhD

Speaker: Sheng-Po Hao, MD & Paul M. Harari, MD

Tumor Board: NPC

Tahoma 4

Moderator: Thomas Kwok-Seng Loh, MD

This session will focus on the management of common and difficult patients with newly diagnosed and recurrent nasopharynx cancer (NPC). This will be an interactive session between the panel and the audience.

Cases presented by

Thomas Kwok-Seng Loh, MD;
Harry Quon, MD; Mu-Kuan Chen, MD; &
Alex Vlantis, MD

At the conclusion of this session, participants will be able to:

- Communicate the various management principles for newly diagnosed and recurrent NPC
- Identify the controversies in the management of NPC
- Use the specific management of different types of recurrences in NPC

1:45 pm - 3:15 pm

PANELS OR PROFFERED PAPERS

Panel: Technology for Assessment of the NO Neck-Sentinel Node Lymphoscintigraphy and Ultrasound

4F

Moderator: Francisco J. Civantos, MD

This session will consist of brief 10 minute presentations on nodal assessment with ultrasound and sentinel node biopsy for both cutaneous and oral lesions. We will then use a case based format to discuss management of oral and cutaneous malignancies that are clinically NO. There will be opportunity for questions and discussion.

Efficacy and Surveillance -

Hisham Mehanna, PhD, MD

Assessment After Chemoradiation -

Sandro V. Porceddu, MD

Assessing Response to Therapy with PET -

Tanya Rath, MD

Complications and Pitfalls -

Lawrence E. Ginsberg, MD

At the conclusion of the session, participants will be able to:

- Recognize data from mult-institutional trials regarding sentinel node biopsy, and criteria for diagnosing abnormal lymph nodes on ultrasound.
- Understand how to acquire the necessary education to implement sentinel node biopsy and ultrasound in their own practice.

- Identify the implications of choosing minimally invasive approaches to the neck versus formal lymphadenectomies, as well as understanding how these technologies can be used in conjunction with formal lymphadenectomy.

Panel: Functional Rehabilitation of the Head and Neck Cancer Patient – Consider Case-Based

4C-1-2

Moderator: Katherine A. Hutcheson, MD

The session will use a case-based format to discuss functional rehabilitation of the head and neck cancer patient. Controversies and rehabilitation options will be discussed and partitioned into early rehabilitation considerations and management of late effects.

Introduction - Katherine A. Hutcheson, MD**Functional Rehabilitation of The Head and Neck Cancer Patient: Case Example - Katherine A. Hutcheson, MD****Proactive Supportive Care During H&N Chemoradiation - Barbara A. Murphy, MD****Early Management to Optimize Swallowing Outcomes - Timothy M. McCulloch, MD****Optimizing Functional Outcomes after Surgical Management of Osteoradionecrosis - Douglas B. Chepeha, MD****Under Pressure: Management of Stricture and Late Dysphagia - Julia Maclean, MD**

At the conclusion of the session, participants will be able to:

- Formulate a model of proactive supportive care for patients receiving head and neck chemoradiation.
- Discuss considerations of ORN management that optimize functional outcomes
- Define early and late priorities of dysphagia management in the HNC population

Panel: Technologies Transforming Parathyroid Surgery

4C-3

Moderators: David Goldenberg, MD & Ralph P. Tufano, MD**Imaging and Localization in Parathyroid Surgery - David Goldenberg, MD****Diagnosis/Medical Management - Joseph Scharpf, MD****Surgical Management - Ralph P. Tufano, MD****PTH Monitoring - Brendan C. Stack, MD****Minimal Access Approaches - Maisie Shindo, MD**

Proffered Papers: Cancer Biology

4C-4

Moderators: Nicole C. Schmitt, MD; Sufi Thomas, PhD ; & Barbara Wollenberg, MD, PhD**S082 COMPLETION OF ABSCISSION REQUIRES SCCRO PROMOTED UBIQUITINATION OF AURORA B BY CUL3-KLHL21**Guochang Huang, PhD, [Bhuvanesh Singh](#); Memorial Sloan Kettering Cancer Center

S083 TARGETED SEQUENCING OF ARCHIVED FORMALIN FIXED AND PARAFFIN EMBEDDED NON-METASTATIC CUTANEOUS SCC REVEALS WIDESPREAD CELL SURFACE RECEPTOR AND PATHWAY IMPACTING MUTATIONS

Bruce Ashford¹, Ruta Gupta², Jonathan Clark², Ranson Marie¹, Mark Cowley³, Sandra O'Toole², Bing Yu²; ¹University of Wollongong, ²University of Sydney, ³Kinghorn Centre for Clinical Genomics

S084 A SYSTEMATIC REVIEW OF BONE METASTASIS SITE DISTRIBUTION IN DIFFERENTIATED THYROID CANCER

Marcela Osorio¹, Sami P Moubayed, MD², Henry Su¹, Mark L Urken, MD, FACS²; ¹Thyroid, Head, and Neck Cancer Foundation, ²Department of Otolaryngology - Head and Neck Surgery, Mount Sinai Beth Israel

S085 PROSPECTIVE WINDOW TRIAL OF METFORMIN IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Joseph M Curry, MD, Jennifer Johnson, MD, Patrick Tassone, MD, Madalina Tuluc, MD, David Cognetti, MD, Kurren Gill, Elizabeth Duddy, RN, Adam Luginbuhl, MD, Ubaldo Martinez-Outschoorn, MD; Thomas Jefferson University

S086 REPURPOSING TUMOR METABOLISM VIA INTERFERENCE OF EGFR IN HUMAN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Ching-Chuan Kuo, Hsing-Pang Hsieh, Hsing-Jien Kung; National Health Research Institutes

S087 A NOVEL PROGNOSTIC SIGNIFICANCE IN MIR-548B EXPRESSION FOR ORAL TONGUE SQUAMOUS CELL CARCINOMA AMONG YOUNG NON-SMOKING PATIENTS.

Ilyes Berania, MD¹, Guillaume Cardin, MSc¹, Philip Wong, MD, MSc², Francis Rodier, PhD², Phuc Felix Nguyen-Tan, MD², Apostolos Christopoulos, MD, MSc¹; ¹Department of Otolaryngology - Head & Neck Surgery, University of Montreal, ²Department of Radiation Oncology, University of Montreal

S088 CARCINOGENIC 1-HYDROXYPYRENE IS 4X HIGHER IN INDIAN VS AMERICAN TOBACCO USERS PRESENTING WITH ORAL/HEAD AND NECK CANCER

Samir Khariwala, MD, MS¹, Steven G Carmella, BS¹, Irina Stepanov, PhD¹, Peter W Villalta, PhD¹, Raviraj Desphande², Murari Lal Gurjar², Prakash C Gupta³, Pankaj Chaturvedi, MS, FAIS², Stephen S Hecht, PhD¹, Vikram Gota, MD²; ¹University of Minnesota, ²Tata Memorial Centre, ³Healis Sekhsaria Institute For Public Health

S089 AMPLIFICATION EVENTS ON CHROMOSOME 7 CORRELATE WITH POOR PATIENT OUTCOMES IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Vijay Sinha, Ravi R Pathak, Hsuan-Chen Liu, Spiridon Tsavachidis, E.Susan Amirian, Andrew G Sikora; Baylor College of Medicine

S090 MOLECULAR PROFILING TARGETED GOLD NANOPARTICLES AS A RADIATION ENHANCER FOR ADENOID CYSTIC CARCINOMA

Inbal Hazkani¹, Menachem Motiei², Izhak Haviv³, Rachela Popovtzer², Aron Popovtzer⁴; ¹Meir Medical Center, ²Faculty of Engineering Bar-Ilan University, ³Faculty of Medicine Bar-Ilan University, ⁴Rabin Medical Center

Proffered Papers: Best of Basic Science Tahoma 1

Moderators: Jon N. Burton, MD; & Frank Ondrey, MD, PhD

S046 NOTCH ACTIVATION INHIBITS HEAD AND NECK SQUAMOUS CELL CARCINOMA GROWTH INDEPENDENT OF MUTATION STATUS BY DOWNREGULATING PROTO-ONCOGENES AXL KINASE AND ALPHA-CATULIN

Shyam Moorthy, PhD¹, Qiuli Li, MD¹, Rami Saade, MD², Jiping Wang¹, Xiayu Rao¹, Noriaki Tanaka, MD¹, Jiexin Zhang¹, Lin Tang, MD¹, Curtis R Pickering, PhD¹, Patrick Zweidler-McKay, MD, PhD¹,

Abdullah Osman, PhD¹, Tong Xin-Xie, MD¹, Eve Shinbrot, PhD³, Liu Xi³, David A Wheeler, PhD³, Adel K El-Naggar, MD, PhD¹, Jing Wang, PhD¹, Jeffrey N Myers, MD, PhD¹, Mitchell J Frederick, PhD¹; ¹MD Anderson,²American University Beirut Medical Center, ³Baylor College of Medicine

S047 SOY ISOFLAVONES MODULATE GLOBAL METHYLATION IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC).

Laura S Rozek, PhD¹, Shama Virani, PhD¹, Emily Bellile, MS¹, Jeremy M Taylor, PhD¹, Maureen Sartor, PhD¹, K M Rentschler¹, C Cote¹, Francis Worden, MD¹, Lisa Peterson, MS¹, Douglas B Chepeha, MD², Mark Prince, MD¹, Scott McLean, MD³, George Yoo, MD³, N Saba, MD⁴, Dong Shin, MD⁴, Omer Kucuk, MD⁴, Gregory T Wolf, MD¹, Um Head and Neck SPORE Program¹; ¹University of Michigan, ²University of Toronto,³Wayne State University, ⁴Emory University

S048 IMPROVING FLUORESCENCE GUIDED SURGERY: EVALUATION OF A FLUORESCENCE CAMERA THAT WORKS UNDER AMBIENT LIGHT CONDITIONS

Nynke S van den Berg¹, Mitsuhara Miwa², Gijs H KleinJan¹, Takayuki Sato², Yoshiaki Maeda², Alfons J Balm³, Baris Karakullukcu³, Fjls W van Leeuwen¹; ¹Leiden University Medical Center, Leiden, the Netherlands,²Hamamatsu Photonics KK, Hamamatsu City, Japan, ³The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, the Netherlands

S049 EPIGENETIC TARGETING OF HUMAN PAPILLOMAVIRUS POSITIVE AND NEGATIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS

Cameron D Lindsay, BSc, Morris A Kostiuk, PhD, Hadi Seikaly, MD, MAL, FRCSC, Jeffrey Harris, MD, MHA, FRCSC, Daniel A O'Connell, MD, MSc, FRCSC, Vincent L Biron, MD, PhD, FRCSC; University of Alberta

S050 MAINTENANCE OF FORM AND FUNCTION AFTER RADICAL PAROTIDECTOMY WITH ANTEROLATERAL THIGH FREE FLAP AND CONCOMITANT FACIAL REANIMATION TECHNIQUES.

Peter J Ciolek, MD, Michael A Fritz, MD; Cleveland Clinic Foundation

S051 PH TRANSISTOR NANOPROBES FOR DETECTION OF OCCULT NODAL METASTASES

Lenka Stankova, MD¹, Zhiqiang Lin, PhD², Tian Zhao, MS², Gang Huang, PhD², Jinming Gao, PhD², Baran Sumer, MD¹; ¹Department of Otolaryngology- Head and Neck Surgery, University of Texas Southwestern Medical Center, ²Department of Pharmacology, Simmons Comprehensive Cancer Center, University of Texas Southwestern Medical Center, Dallas, Texas 75390, United States

S052 FEASIBILITY AND POTENTIAL VALUE OF LIPOFILLING IN POST-TREATMENT OROPHARYNGEAL DYSFUNCTION

Sophie Kraaijenga, MD¹, Oren Lapid, MD, PhD², Lisette van der Molen, SLP, PhD¹, Frans Hilgers, MD, PhD¹, Ludwig Smeele, MD, PhD¹, Michiel van den Brekel, MD, PhD¹; ¹Netherlands Cancer Institute, ²Academic Medical Center Amsterdam

S053 GENOMIC SCREENING TO TARGETED THERAPY: DEVELOPING NOVEL COMPOUNDS THAT TARGET SCRO FUNCTION

G Huang, PhD¹, J Hammill², Dc Scott, PhD², J Min², M Connelly², D Bhasin², R Barrios², V Sviderskiy², K Bharatham², Rn Attia², G Holbrook², F Zhu², A Matheny², L Yang², J Low², Ss Ong², Y Chen², B Evison², T Chen², A Shelat², Jw Harper³, Ba Schulman², Rk Guy², B Singh¹; ¹Memorial Sloan-Kettering Cancer Center, ²St. Jude Children's Research Hospital, ³Harvard Medical School

S054 A NOVEL DUAL OXIDASE-2 MUTATION CAUSING HIGHLY-PENETRANT FAMILIAL THYROID CANCER IDENTIFIED BY WHOLE EXOME NEXT-GENERATION SEQUENCING

Darrin V Bann, MD, PhD¹, Qunyan Jin, MD², Kathryn E Sheldon, PhD³, Kenneth Houser, MS⁴, James Broach, PhD⁵, Glenn S Gerhard, MD², David Goldenberg, MD, FACS⁶; ¹Division of Otolaryngology - Head

& Neck Surgery, Milton S. Hershey Medical Center and Institute for Personalized Medicine, Penn State College of Medicine, ²Department of Medical Genetics & Molecular Biochemistry, Temple University School of Medicine, ³Institute for Personalized Medicine, Penn State College of Medicine, ⁴Department of Biochemistry, Penn State College of Medicine, ⁵Department of Biochemistry and Institute for Personalized Medicine, Penn State College of Medicine, ⁶Division of Otolaryngology - Head & Neck Surgery, Milton S. Hershey Medical Center

Proffered Papers: Robotics II

Tahoma 2

Moderators: Michael L. Hinni, MD; Matthew Old, MD; & Marc J. Remacle, MD, PhD

S055 TRANSORAL ROBOTIC SURGERY (TORS)-ASSISTED APPROACHES FOR SUBMANDIBULAR GLAND PATHOLOGY

Christopher H Rassekh, MD, Bert W O'Malley, Jr, MD, Gregory S Weinstein; University of Pennsylvania

S056 UTILIZATION OF TRANSORAL ROBOTIC SURGERY AND ITS EFFECTS ON SHORT AND LONG-TERM FUNCTIONAL OUTCOMES AND COSTS OF CARE IN OROPHARYNGEAL CANCER SURGERY

Kevin M Motz, MD¹, Jeremy D Richmon, MD¹, Harry Quon, MD², Hsien-Yen Chang, PhD³, David W Eisele, MD¹, Christine G Gourin, MD¹; ¹Dept of Otolaryngology - Head and Neck Surgery, Johns Hopkins School of Medicine, ²Department of Radiation Oncology and Molecular Radiation Sciences, Johns Hopkins University, ³Johns Hopkins Bloomberg School of Public Health

S057 ASSESSING VOLUME-BASED OUTCOMES IN HEAD AND NECK CANCER PATIENTS IN NEW ENGLAND

Neil Pathak, Phoebe Kuo, Saral Mehra, MD, MBA; Yale University School of Medicine

S058 ADOPTION OF TRANSORAL ROBOTIC SURGERY COMPARED WITH OTHER SURGICAL MODALITIES FOR TREATMENT OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Jennifer R Cracchiolo, MD¹, Benjamin R Roman, MD, MSHP¹, David I Kutler, MD², William I Kuhel, MD², Marc A Cohen, MD, MPH²; ¹Memorial Sloan Kettering Cancer Center, ²Weill Cornell Medical College

S059 LONG-TERM FUNCTIONAL OUTCOMES AFTER TRANSORAL ROBOTIC SURGERY (TORS) FOR THE TREATMENT OROPHARYNGEAL CANCER

Virginie Achim, MD, Tyler Light, Rachel Bolognone, MS, CCCSLP, Andrew Palmer, PhD, CCCSLP, Donna Graville, PhD, CCCSLP, Peter Andersen, MD, Daniel Clayburgh, MD, PhD; Oregon Health and Science University

S060 TRANSORAL RESECTION OF HPV POSITIVE SQUAMOUS CELL CARCINOMA OF THE OROPHARYNX: OUTCOMES WITH AND WITHOUT ADJUVANT THERAPY

Ryan S Jackson, MD¹, Parul Sinha, MD¹, Joseph Zenga, MD¹, Dorina Kallogjeri, MD, MPH¹, Jasmina Suko, MSc¹, Eric J Moore, MD², Bruce H Haughey, MBChB, MS, FACS, FRACS¹; ¹Washington University School of Medicine, ²Mayo Clinic

S061 TRANSORAL ROBOTIC SURGERY FOR MANAGEMENT OF CERVICAL UNKNOWN PRIMARY SQUAMOUS CELL CARCINOMA: UPDATES ON EFFICACY, SURGICAL TECHNIQUE AND MARGIN STATUS

Mathew Geltzeiler, MD, Sean Doerfler, BA, Meghan Turner, W. Greer Albergotti, MD, Mark Kubik, MD, Seungwon Kim, MD, Robert Ferris, MD, PhD, Umamaheswar Duvvuri, MD; University of Pittsburgh Medical Center

S062 A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL OF EXTENDED COURSE CORTICOSTEROID FOR POST-OPERATIVE PAIN CONTROL FOLLOWING TRANSORAL ROBOTIC SURGERY (TORS)

Daniel Clayburgh, MD, PhD¹, Will Stott, BS¹, Rachel Bolognone, MS, CCCSLP¹, Andrew Palmer, PhD, CCCSLP¹, Virginie Achim, MD¹, Scott Troob, MD¹, Ryan Li, MD¹, Daniel Brickman, MD¹, Donna Graville, PhD, CCCSLP¹, Peter Andersen, MD¹, Neil Gross, MD²; ¹Oregon Health and Science University, ²MD Anderson Cancer Center

S063 A NEW FLEXIBLE ENDOSCOPE FOR TRANSORAL ROBOT ASSISTED SURGERY (TORS) IN HEAD AND NECK CANCER

Stephan Lang, MD¹, Stefan Mattheis, MD¹, Georges Lawson, MD², Christian Güldner, MD³, Magis Mandapathil, MD³, Patrick J Schuler, MD⁴, Thomas K Hoffmann, MD⁴, Marc O Scheithauer, MD⁴, Marc Remacle, MD²; ¹University Hospital of Essen, ²University Hospital of Louvain at Mont-Godinne, ³The University Hospital Giessen and Marburg, ⁴University Hospital Ulm

Proffered Papers: Immunotherapy

Tahoma 3

Moderators: Jonathan J. Beitler, MD, MBA, FACR; A Dimitrios Colevas, MD; & Christian H. Simon, MD

S064 CHECKPOINT BLOCKADE AND NEOANTIGEN IDENTIFICATION IN A MOUSE MODEL OF ORAL CAVITY SQUAMOUS CELL CARCINOMA

Paul Zolkind¹, Tianxiang Lin¹, Anton Alexandrov¹, Maxim Artyomov¹, Gavin P Dunn¹, Clint T Allen², Ravindra Uppaluri¹; ¹Washington University School of Medicine, ²Johns Hopkins School of Medicine

S065 COMPARING THE IMMUNOMODULATORY EFFECTS OF TADALAFIL AND MORE SELECTIVE PHOSPHODIESTERASE-5 INHIBITORS IN TUMOR BEARING MICE

Marianne Abouyared, MD, Donald Weed, MD, Adriana De La Fuente, MS, Paolo Serafini, PhD; University of Miami Miller School of Medicine

S066 ENHANCING THE IMMUNE STIMULATORY EFFECTS OF CETUXIMAB THERAPY THROUGH TLR3 SIGNALING IN EPSTEIN-BARR VIRUS (EBV) POSITIVE NASOPHARYNGEAL CARCINOMA (NPC)

Louise Tan¹, Benjamin Wong², Chwee Ming Lim³; ¹Department of Otolaryngology Head and Neck Surgery, National University Health System, ²Department of Pathology, NUS, ³National University Cancer Institute Singapore

S067 EFFECTIVE IMMUNOTHERAPY OF HEAD AND NECK SQUAMOUS CELL CANCERS (HNSCC) IN MURINE MODELS WITH SYNTHETIC TLR AGONISTS COMBINED WITH CHEMOTHERAPY OR A CHECKPOINT INHIBITOR

Fumi Kaneko, PhD¹, Shiyin Yao¹, Shannon S Zhang¹, Judy Varner, PhD¹, Ezra Cohen, MD¹, Dennis A Carson, MD¹, Karen Messer, PhD¹, Minya Pu, MS¹, Cristiana Guiducci, PhD², Robert L Coffman, PhD², Tomoko Hayashi, MD, PhD¹; ¹University of California, San Diego Moores Cancer Center, ²Dynavax Technologies

S068 IS PD1/PD-L1 INHIBITOR A RADIO-SENSITIZER? ORAL CAVITY SCC CASE REPORT

Misako Nagasaka, Ammar W Sukari; Karmanos Cancer Institute

S069 CD8 T CELL TUMOR INFILTRATING LYMPHOCYTES CORRELATED WITH HPV-RELATED BASE OF TONGUE SQUAMOUS CELL CARCINOMA (SCC) AND IMPROVED RECURRENCE FREE SURVIVAL COMPARED TO WEAK IMMUNE RESPONSE OF SMOKING-RELATED ORAL TONGUE SCC

Kate Poropatich, David Hernandez, Ajit Paintal, Kirtee Raparia, Sandeep Samant; Northwestern University

S070 TUMOR REJECTION OF HIGHLY IMMUNOGENIC BUT NOT POORLY IMMUNOGENIC ORAL CAVITY CANCERS FOLLOWING STING ACTIVATION WITH CYCLIC DINUCLEOTIDES

Paul Clavijo², Ellen Moore², Harrison Cash², Ruth Davis², Carter Van Waes², Young Kim¹, Clint T Allen, MD²; ¹Johns Hopkins School of Medicine, ²National Institutes of Health

S071 IMMUNE MICROENVIRONMENT IN PAPILLARY THYROID CARCINOMA AND ITS RELATION WITH CLINICAL-PATHOLOGICAL PROGNOSTIC FACTORS

Renan B Lira, MD, Marcelo L Balancin, MD, Felipe D Costa, MD, Clovis Antonio L Pinto, MD, PhD, Luiz P Kowalski, MD, PhD; AC Camargo Cancer Center

S072 DISTRIBUTION OF IMMUNE POPULATIONS IN PATIENTS WITH ORAL SQUAMOUS CELL CARCINOMA

Zipei Feng¹, Daniel Bethmann, MD², Matthias Kappler, MD³, Carmen Ballesteros-Merino, PhD⁴, Alexander Eckert, MD³, R. Bryan Bell, MD, DDS⁵, Allen Cheng, MD, DDS⁵, Tuan Bui, MD, DMD⁵, Rom Leidner, MD⁴, Carlo Bifulco, MD⁴, Claudia Wickenhauser, MD², Barbara Seliger, PhD⁶, Bernard Fox, PhD⁴; ¹Oregon Health & Science University, Department of Cell, Development & Cancer Biology, ²Martin Luther University Halle-Wittenberg, Institute of Pathology, Halle, Germany, ³Martin Luther University Halle-Wittenberg, Department of Oral and Maxillofacial Plastic Surgery, ⁴Robert W. Franz Cancer Research Center, Earle A. Chiles Research Institute, Providence Cancer Center, Portland, OR, ⁵Oral, Head and Neck Cancer Program and Clinic, Providence Cancer Center, Portland, OR, ⁶Martin Luther University Halle-Wittenberg, Institute of Medical Immunology

Proffered Papers: Nasopharynx

Tahoma 4

Moderators: Anthony T. C. Chan, MD; Mu-Kuan Chen, MD; & Thomas Kwok-Seng Loh, MD

S073 QUALITY OF LIFE AND QUALITY-ADJUSTED LIFE EXPECTANCE FOR PATIENTS WITH NASOPHARYNGEAL CARCINOMA TREATED BY INTENSITY MODULATED RADIOTHERAPY-PREDICTIVE VALUES OF CLINICAL STAGES

Tai-Lin Huang, MD¹, Fu-Min Fang²; ¹Department of Hematology and Oncology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan, ²Department of Radiation Oncology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

S074 CONCURRENT-CHEMORADIOTHERAPY (CCRT) VERSUS INDUCTION CHEMOTHERAPY PLUS CHEMORADIOTHERAPY (IC-CCRT) IN PATIENTS WITH LOCALLY ADVANCED NON-METASTATIC NASOPHARYNGEAL CANCER

Yp Wu¹, Cs Tan², I Tham², Lc Wong², F Ho², T Cheo², Bc Goh², T Loh¹, Cm Lim¹; ¹National University Healthcare System, ²National University Cancer Institute

S075 UPDATE ON THE SURVIVAL RESULTS OF ROBOTIC NASOPHARYNGECTOMY - A PROSPECTIVE SERIES OF 26 CASES

Raymond K Tsang, MD, Jimmy Y Chan, MD; University of Hong Kong

S076 IMPORTANCE OF LYMPH NODE DENSITY AND NUMBER OF POSITIVE LYMPH NODES FOR THE PROGNOSIS OF NODAL FAILURE IN NASOPHARYNGEAL CARCINOMA

Zenon Yeung, David C M Yeung, Eddy W Y Wong, Michael C Tong, Alexander C Vlantis, Jason Y Chan; The Chinese University of Hong Kong

S077 A PROGNOSTIC SCORE FOR METASTATIC NASOPHARYNGEAL CANCER

Jeremy Chee, MBBS, Chee Seng Tan, MBBS, MRCP, Boon Cher Goh, MBBS, MRCP, MMed, FRCS, Thomas Loh, MBBS, FRCS, Chwee Ming Lim, MBBS, MRCS, MMed; National University Hospital, Singapore

S078 VIABILITY OF NASOSEPTAL FLAP IN A PREVIOUSLY RADIATED FIELD

Raymond K Tsang, MD, Joseph C Chung, MD, Jonathan K Lau, MD, Jimmy Y Chan, MD; University of Hong Kong

S079 PROGNOSTIC VALUE OF EPSTEIN-BARR VIRUS AND P16 STATUS IN PATIENTS WITH NASOPHARYNGEAL CARCINOMA IN JAPAN

Yuki Saito, MD, PhD, Mizuo Ando, MD, PhD, Go Omura, MD, PhD, Kazuo Yasuhara, MD, Masafumi Yoshida, MD, PhD, Tatsuya Yamasoba, MD, PhD; Otolaryngology-Head and Neck Surgery, University of Tokyo

S080 WHITE LIGHT AND NARROW BAND IMAGING ENDOSCOPIC ASSESSMENT OF THE NASOPHARYNX FOR MALIGNANCY: INTER- AND INTRA-OBSERVER VARIABILITY USING A BIOPSY AS THE REFERENCE STANDARD.

Alexander C Vlantis, Eddy W Wong, Siu Kwan Ng, Jason Y Chan, Faya Liang, Michael C Tong; Department of Otorhinolaryngology, Head and Neck Surgery, The Chinese University of Hong Kong, Prince of Wales Hospital, Hong Kong.

S081 MANAGEMENT OF JUVENILE NASOPHARYNGEAL ANGIOFIBROMA: A 6-YEAR RETROSPECTIVE STUDY

Chandala Chitguppi, MS, Ravi Meher, Vikram Wadhwa, Swati Tandon, Ruchika Juneja, Komal Lamba, Praveen Rathore, Anoop Raj; Maulana Azad Medical College

3:15 pm - 3:45 pm

Break in Exhibit Hall

4E

3:45 pm - 5:15 pm

PANELS OR PROFFERED PAPERS

Panel: Technology for Imaging Assessment After Head and Neck Cancer Treatment

4F

Moderator: Eugene Yu, MD

The session will address the utility of various imaging modalities in the post-therapy assessment of head and neck cancer. The recommended timing of imaging scans in post-treatment setting will also be reviewed. Common treatment related complications and their imaging appearances will also be reviewed.

Assessing Response to Therapy with PET - Tanya Rath, MD

Assessment After Chemoradiation - Sandro V. Porceddu, MD

Efficacy and Surveillance - Hisham Mehanna, PhD, MD

Complications and Pitfalls - Lawrence E. Ginsberg, MD

Assessing Response to Therapy with PET - Eugene Yu, MD

At the conclusion of this session, participants will be able to:

- Discuss the best practice for the utilization of advanced imaging techniques such as PET CT in the post-therapy setting. The timing as well as the benefits of this modality will be illustrated.
- Explain an approach to distinguish between the structural and functional abnormalities that develop post-radiation therapy and the appearance of residual or recurrent tumor.
- Recognize the imaging appearance of common post-treatment related complications and how to differentiate them from tumor recurrence.

Panel: Head and Neck Cancer Care: Challenges and Technological Barriers Across the World

4C-1-2

Moderator: Wayne M. Koch, MD

This session will consider the challenges and opportunities inherent to caring for head and neck patients in a variety of settings outside of North America and Western Europe. Issues to be discussed include cultural factors pertaining to exposure risk and health presuppositions, technical and resource limitations, governmental influence, and availability of multidisciplinary teams.

Introduction -	Wayne M. Koch, MD
Cultural Challenges - Risk -	Sheng-Po Hao, MD
Cultural Challenges - Traditional Health -	Xin Zhang, MD
Technical Barriers -	Ayman A. Amin, MD
Patient Access Limitations -	Pankaj Chaturvedi, MBBS, MS
Governmental Matters -	Andre L. Carvalho, MD, PhD
Multidisciplinary Support -	Wayne M. Koch, MD

At the conclusion of this session, participants will be able to:

- Recognize challenges inherent to robust head and neck surgical practices in one's own specific setting.
- Select best-practice solution concepts for local implementation to address key obstacles in head and neck practice.
- Build networks of colleagues facing similar challenges to spawn future interactions and solutions.

Panel: Salivary Gland Malignancy

4C-3

Moderator: Sefik A. Hosal, MD

This session will talk about treatment of malignant salivary gland tumors, particularly parotid tumors. Surgical management for local and regional disease along with facial nerve, and adjuvant treatment will be discussed.

Introduction -	Sefik A. Hosal, MD
Surgical Management - Local Disease -	Sefik A. Hosal, MD
Surgical Management - Regional Disease -	Patrick K. Ha, MD
Adjuvant Therapy -	
Indications and Agents -	David J. Adelstein, MD
Management of the Facial Nerve and Reconstruction -	John Yoo, MD, FRCS
Case Discussion -	Sefik A. Hosal, MD

At the conclusion of this session, participants will be able to:

- Manage malignant parotid gland tumor
- Select adjuvant therapy
- Plan for facial nerve in parotid malignancy

Proffered Papers: Functional Outcomes I

4C-4

Moderators: Jeffrey B. Jorgensen, MD & Zoukaa B. Sargi, MD, MPH

S091 COMPARISON OF HEAD AND NECK CANCER PATIENTS AT A SAFETY NET AND TERTIARY REFERRAL HOSPITAL

Emily Ambrose, MD¹, Dylan Coughlin¹, Marcia E Eustaquio, MD²; ¹University of Colorado, ²Denver Health Hospital

S092 NEUROMUSCULAR ELECTRICAL STIMULATION IMPROVES RADIATION INDUCED FIBROSIS THROUGH TGF- β 1/MYD HOMEOSTASIS IN HEAD AND NECK CANCER

Uttam Sinha, MD, Kamil Masood, MPH, Brenda Villegas, MS, CCSLP, Melody OuYoung, CCSLP, Niels Kokot, MD; USC

S093 PROSPECTIVE STUDY OF QUALITY OF LIFE IN ADVANCED BUCCAL MUCOSA CANCERS: LONGITUDINAL STUDY

Manish Majr, Mch, resident, Sudhir Nair, MSMch, Pankaj Chaturvedi, MS, Deepa Nair; Tata Memorial Hospital

S094 SURGICAL MANAGEMENT OF DYSPHAGIA IN HEAD AND NECK CANCER PATIENTS

Uttam Sinha, MD, Lindsey Reder, MD, Brenda Villegas, MS, CCSLP, Melody OuYoung, CCSLP, Peter Crooks, MD, Niels Kokot, MD; USC

S096 TRANSORAL ROBOTIC THYROIDECTOMY: TECHNICAL REFINEMENTS.

Hoon Yub Kim, MD¹, Jeremy D Richmon, MD²; ¹Korea University Hospital, ²Johns Hopkins Hospital

S097 HEROIC HEAD AND NECK CANCER SURGERY, COSTS AND COMPLICATIONS

Zrria White, MD, Barry Wenig, Gina Jefferson, MD; University of Illinois at Chicago

S098 A FEASIBILITY STUDY OF THE VIBRENT(TM) SMARTPHONE APP FOR HEAD & NECK CANCER PATIENTS: IMPROVING ADHERENCE TO SWALLOW THERAPY

Jeremy Richmon, Assoc, Professor¹, Heather Starmer, Ass, Prof², Rina Abrams, Ass, Prof¹, Kim Webster, Ass, Prof¹, Donna Tippet, Ass, Prof¹, Salem Noureldine, Resident¹; ¹Johns Hopkins Medical Institution, ²Stanford University

S099 HEAD AND NECK CANCER PATIENT EDUCATION AND SUPPORT NEEDS - A MULTI-INSTITUTION STUDY

Joe Jabbour, BMedSci, Hons, MBBS, Hons¹, Chris Milross, MD, FRANZCR², Puma Sundaresan, PhD, FRANZCR³, Ardalan Ebrahimi, MBBS, Hons, FRACS⁴, Heather Shepherd, BA, Hons, PhD⁵, Haryana Dhillon, BSc, PhD⁵, Gary Morgan, FRACDS, FRACS⁶, Bruce Ashford, FRACDS, FRACS⁷, Muzib Abdul-Razak, MBBS, FRACS⁸, Eva Wong, MBBS, Hons, FRACS⁶, Michael Veness, MD, FRANZCR³, Carsten Palme, MBBS, FRACS⁶, Rafael Ekmejian, MBBS, FRACS⁸, Jessica Tay, MBBS⁹, David Roshan, MBBS⁹, Ruben Cohen, MBBS, FRACS⁴, Jonathan Clark, FRACS, MBIostat¹⁰; ¹Central Clinical School, Westmead, NSW, Australia, ²Department of Radiation Oncology and Medical Services, Chris O'Brien Lifehouse, Camperdown, NSW, Australia, ³Department of Radiation Oncology and Medical Services, Crown Princess Mary Cancer Centre, Westmead Hospital, Westmead, NSW, Australia., ⁴Department of Head and Neck Surgery, Liverpool Hospital, Liverpool NSW, Australia, ⁵Department of Public Health, The University of Sydney, Camperdown, NSW, Australia, ⁶Department of Head and Neck Surgery, Crown Princess Mary Cancer Centre, Westmead Hospital, Westmead, NSW, Australia, ⁷Department of Head and Neck Surgery, Wollongong Hospital, Wollongong, NSW, Australia, ⁸Department of Medicine, University of New South Wales, Kensington, NSW, Australia, ⁹Department of Medicine, University of New England, Armidale, NSW, Australia, ¹⁰Department of Head and Neck Surgery, Chris O'Brien Lifehouse, Camperdown, NSW, Australia

Proffered Papers: Oropharynx

Tahoma 1

Moderators: Danny Enepekides, MD, FRCS & Derrick Lin, MD

S100 DOSE-ESCALATED RADIOSURGERY (SRS) BOOST FOR UNFAVORABLE LOCALLY ADVANCED OROPHARYNGEAL CANCER: ONCOLOGICAL AND FUNCTIONAL OUTCOMES OF PHASE I/II TRIAL

Maged Ghalay, MD, Aditya Halthore, MD, Jeffrey Antone, Honglai Zhang, Kristin Beadle, Vinh Nguyen, MD, Doru Paul, MD, Douglas Frank, MD; Hofstra Northwell School of Medicine

S101 QUANTITATIVE EVALUATION OF RADIATION-INDUCED DYSPHAGIA: DEVELOPING A PERSONALIZED TREATMENT DEINTENSIFICATION PARADIGM

Harry Quon, MD, MS¹, Xuan Hui, MD¹, Zhi Cheng, MD¹, Scott P Robertson, PhD¹, Michael Bowers¹, Joseph A Moore, PhD¹, Amanda Choflet, MS, RN, OCN, DNP¹, Laura Burns, BSN¹, Brandi R Page, MD¹, Ana P Kiess, MD, PhD¹, Julia Maclean, PhD², Michal Szczesniak, PhD², Christine G Gourin, MD, MPH¹, Ian J Cook, MB, BS, Hons, MD, Syd, FRACP², Todd R McNutt, PhD¹; ¹Johns Hopkins University, ²University of New South Wales

S102 PREDICTORS OF GASTROSTOMY TUBE DEPENDENCE IN SURGICALLY MANAGED OROPHARYNGEAL CANCER

Vivek R Varma, BS¹, Stephen Y Kang, MD¹, Bhavna Kumar, MS¹, Nicole Brown, MS², Peter T Dziegielewski, MD¹, Michael Cipolla, MD¹, Amit Agrawal, MD¹, Ricardo Carrau, MD¹, Matthew O Old, MD¹, Enver Ozer, MD¹, James W Rocco, MD, PhD¹, David E Schuller, MD¹, Theodoros N Teknos, MD¹; ¹The James Cancer Hospital and Solove Research Institute The Ohio State University Wexner Medical Center Columbus, Ohio USA, ²Center for Biostatistics, The Ohio State University, Columbus, Ohio USA

S103 CLINICAL AND PATHOLOGIC CHARACTERISTICS OF HPV-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA TREATMENT FAILURES

Eunice Yim, Nidia Rodriguez Ormaza, MD, MPH, Angela L Mazul, PhD, James Taylor, Lindsey E Matthews, MD, MPH, Mark Weissler, MD, Samip N Patel, MD, Trevor G Hackman, MD, Jose Zevallos, MD, MPH; University of North Carolina at Chapel Hill

S104 COMPARING RADIOTHERAPY VOLUMES AND CLINICAL OUTCOMES FOR UNKNOWN PRIMARY AND SMALL BASE OF TONGUE SQUAMOUS CELL CARCINOMAS: A RATIONALE FOR LINGUAL TONSILLECTOMY IN THE DIAGNOSTIC WORK-UP OF HEAD AND NECK UNKNOWN PRIMARY CARCINOMAS

Ali Hosni, Peter Dixon, Anupam Rishi, Michael Au, Wei Xu, David Goldstein, Shao Hui Huang, Brian O'Sullivan, John Waldron, Scott V. Bratman, John R. de Almeida; Princess Margaret Cancer Centre

S105 MEASURING DISEASE PROGRESSION OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA USING RAMAN SPECTROSCOPY

Alan Wilson, BS¹, Shona Stewart, PhD², Heather Kirschner, MS², Patrick Treado, PhD², James C Post, MD, PhD², Umamaheswar Duvvuri, MD, PhD³; ¹University of Pittsburgh School of Medicine, ²ChemImage Corporation, ³University of Pittsburgh Medical Center Department of Otolaryngology, VA Pittsburgh Health System

S106 PROGNOSTIC SIGNIFICANCE OF LYMPHOCYTE-TO-MONOCYTE RATIO AND ABSOLUTE MONOCYTE COUNT IN PATIENTS WITH OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Hideyuki Takahashi, Koichi Sakakura, Tomoko Chiyoda, Kazuaki Chikamatsu; Department of Otolaryngology-Head and Neck Surgery, Gunma University Graduate School of Medicine

S107 IMPACT OF EXTRACAPSULAR SPREAD ON SURVIVAL ACCORDING TO P16 STATUS IN SQUAMOUS CARCINOMA OF OROPHARYNX AND UNKNOWN PRIMARY SITE

Natallia Kharytaniuk¹, Seamus Boyle¹, Peter Molony², Gerard O'Leary¹, Reilten Werner², Cynthia Heffron², Linda Feeley², Patrick Sheahan¹; ¹South Infirmary Victoria University Hospital, ²Cork University Hospital

S108 CLINICAL OUTCOMES IN PATIENTS WITH RECURRENT OR METASTATIC HUMAN PAPILLOMA VIRUS-POSITIVE HEAD AND NECK CANCER: A RETROSPECTIVE, SINGLE-CENTER EXPERIENCE

Vir Patel, BA, Rajan P Dang, MD, Valerie H Le, MD, Brett A Miles, DDS, MD, Marita S Teng, MD, Eric M Genden, MD, Richard Bakst, MD, Vishal Gupta, MD, David Y Zhang, MD, PhD, Elizabeth G Demicco, MD, PhD, Marshall R Posner, MD, Krzysztof J Misiukiewicz, MD; Icahn School of Medicine at Mount Sinai

Proffered Papers: Larynx/Hypopharynx Tahoma 2

**Moderators: Dominique Chevalier, MD;
Ryuichi Hayashi, MD; & Urjeet A. Patel, MD**

S109 LONG-TERM VOICE OUTCOMES AFTER CONCURRENT CHEMORADIOTHERAPY FOR ADVANCED NON-LARYNGEAL HEAD AND NECK CANCER

Cameron R Davies-Husband, MBBS, FRCS, Michael Drinnan, PhD, Charles Kelly, FRCP, FRCR, Janet A Wilson, MD, FRCS, Vinidh Paleri, MS, FRCS; Freeman Hospital, Newcastle

S110 DURABILITY AND COST ANALYSIS BETWEEN INDWELLING VERSUS NON-INDWELLING TRACHEO-ESOPHAGEAL PROSTHESES

Chetan S Nayak, MD, Zoukaa Sargi, MD, MPH, Mario Landera, SLPD, Jason Leibowitz, MD, Kaming Lo, MPH, Donna Lundy, PhD; University of Miami

S111 INJECTABLE SOFT TISSUE AUGMENTATION FOR THE TREATMENT OF TRACHEOESOPHAGEAL PROSTHESIS ENLARGEMENT

Tjosen Tjoa, MD, Glenn W Bunting, MS, CCCSLP, Daniel G Deschler, MD; Massachusetts Eye & Ear Infirmary

S112 PREDICTORS OF COMMUNICATION EFFECTIVENESS AFTER TOTAL LARYNGECTOMY

Andrew D Palmer, PhD, CCC, SLP, Jana M Childes, MS, CCC, SLP, Melanie Fried-Oken, PhD, CCC, SLP, Donna J Graville, PhD, CCC, SLP; Oregon Health & Science University

S113 LARYNX PRESERVATION IN ADVANCED HNSCC - RESPONSE ASSESSMENT AFTER ONE CYCLE INDUCTION CHEMOTHERAPY UTILIZING CLINICAL SURFACE EVALUATION COMPARED TO 18F-FDG-PET/CT AND CT-VOLUMETRY

Gunnar Wichmann, PhD¹, Anne Krueger¹, Andreas Boehm, MD¹, Marlen Kolb, MSc¹, Mathias Hofer, MD¹, Milos Fischer, MD¹, Sandra Purz, MD², Patrick Stumpp, MD³, Mario Cypko, MSc⁴, Stefan Mueller, MD⁵, Osama Sabri, MD, PHD², Andreas Dietz, MD, PhD¹, Regine Kluge, MD, PhD²; ¹ENT Dep., University of Leipzig, ²Department of Nuclear medicine, University of Leipzig, Germany, ³Department of Diagnostic and Interventional Radiology, University of Leipzig, Germany, ⁴Innovation Center Computer Assisted Surgery (ICCAS), University of Leipzig, Germany, ⁵Department of Surgical Oncology, National Cancer Centre Singapore

S114 PATTERN OF LYMPH NODE METASTASIS IN HYPHARYNGEAL SQUAMOUS CELL CARCINOMA: WHEN DO WE NEED LEVEL VI LYMPH NODE DISSECTION?

Eun-Jae Chung, MD, PhD¹, Go-Woon Kim, MD², Bum-Ki Cho, MD², Min Woo Park, MD², Kee Hwan Kwon, MD, PhD², Young-Soo Rho, MD, PhD²; ¹Department of Otorhinolaryngology-Head and Neck Surgery¹, Seoul National University College of Medicine, ²Department of Otorhinolaryngology-Head and Neck Surgery, Ilsong Memorial

Head and Neck - Thyroid Cancer Hospital, Hallym University Medical Center, Seoul, Korea

S115 TREATMENT OF LOCALLY ADVANCED LARYNGEAL CANCER AT TERTIARY-CARE PUBLIC HOSPITAL

David J Hernandez, MD, Urjeet A Patel, MD, FACS; Department of Otolaryngology-Head and Neck Surgery; Northwestern University, Chicago, IL, USA

S116 TREATMENT OF EARLY STAGE SUPRAGLOTTIC SQUAMOUS CELL CARCINOMA: META-ANALYSIS COMPARING PRIMARY SURGERY VERSUS PRIMARY RADIOTHERAPY

Krupal B Patel, MD, Anthony Nichols, MD, Kevin Fung, MD, John Yoo, MD, S. Danielle MacNeil, MD; Western University

S117 IMPACT OF LARYNGEAL EXPOSURE ON MARGIN STATUS IN PATIENTS TREATED BY TRANSORAL LASER MICROSURGERY FOR TIS-T2

Paola Grazioli¹, Cesare Piazza¹, Francesca Del Bon¹, Pietro Perotti¹, Alberto Paderno¹, Nausica Montalto¹, Piero Nicolai¹, Giorgio Peretti²; ¹Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Italy, ²Department of Otorhinolaryngology - Head and Neck Surgery, University of Genoa, Italy

Proffered Papers: Skin

Tahoma 3

Moderators: Nicole C. Schmitt, MD; Andrew G. Sikora, MD, PhD; & John Sunwoo, MD

S118 RISK AND SURVIVAL OF PATIENTS WITH HEAD AND NECK CUTANEOUS MELANOMA: NATIONAL PERSPECTIVE

Zaid Al-Qurayshi¹, Khuzema Mohsin, MD¹, Sudesh Srivastav², Emad Kandil¹; ¹Tulane University School of Medicine, ²Tulane University School of Public Health and Tropical Medicine

S119 CUTANEOUS HEAD AND NECK ANGIOSARCOMA: POORER LOCAL CONTROL AND SURVIVAL FOR SCALP THAN FACE

Jonathan M Bernstein, MD, FRCS¹, Brian O' Sullivan, MD, FRCPC², Jonathan C Irish, MD, MSc, FRCSC¹; ¹Department of Otolaryngology - Head & Neck Surgery, Princess Margaret Cancer Centre, University of Toronto, ²Department of Radiation Oncology, Princess Margaret Cancer Centre, University of Toronto

S120 ONCOLOGIC OUTCOMES AND PROGNOSTIC FACTORS OF THE HEAD AND NECK ANGIOSARCOMA TREATED IN A SINGLE INSTITUTION

Hung-Wei Yang, Hui-Fu Huang, Hao-Chih Tai, Chen-Hsiang Kuan; National Taiwan University Hospital

S121 PROGNOSTIC FACTORS IN DETERMINING THE OUTCOME OF HEAD AND NECK CUTANEOUS MELANOMA

Kristyn Buchko, K.Alok Pathak; CancerCare Manitoba

S122 TREATMENT AND OUTCOME OF ADVANCED EXTERNAL AUDITORY CANAL AND MIDDLE EAR MALIGNANT TUMORS

Giovanni Cristalli, MD, Giuseppe Mercante, MD, Valentina Manciooco, PhD, Giuseppe Spriano, MD; Regina Elena National Cancer Institute

S123 TOTAL RADIATION DOSE DELIVERED IMPACTS SURVIVAL IN HEAD AND NECK MERKEL CELL CARCINOMA PATIENTS RECEIVING SURGERY WITH ADJUVANT RADIATION.

Minh Tam Truong, MD¹, Muhammad M Qureshi, MBBS², Diana Kirke, MD¹, Debjani Sahni, MD¹, Scharukh Jalisi, MD¹, Waleed Ezzat, MD¹; ¹Boston Medical Center, ²Boston University School of Medicine

S124 DESMOPLASTIC MELANOMA OF THE HEAD AND NECK: IS THERE A ROLE FOR SENTINEL LYMPH NODE BIOPSY?

Dylan F Roden, MD, MPH¹, Anna C Pavlick, DO², Mark D DeLacure, MD¹; ¹Department of Otolaryngology - Head & Neck Surgery, New York University, ²Department of Medical Oncology, New York University

S125 NEOADJUVANT BRAF/MEK CO-INHIBITION: A PARADIGM SHIFT IN THE TREATMENT OF marginally RESECTABLE LOCOREGIONALLY ADVANCED HEAD & NECK MELANOMA
Danish A Nagda, MD, Lynn A Cornelius, MD, Gerry P Linette, MD, PhD, Rebecca D Chernock, MD, Brian Nussenbaum, MD; Washington University School of Medicine in St Louis

S126 THE CHANGING FACE OF INPATIENT CUTANEOUS CANCER CARE OF THE TRANSPLANT PATIENT
Thomas K Chung¹, Cecelia Schmalbach²; ¹University of Alabama at Birmingham, ²Indiana University

Proffered Papers: Reconstruction

Tahoma 4

Moderators: Vasu Divi, MD; & David P. Goldstein, MD, FRCS

S127 FACTORS ASSOCIATED WITH RE-OPERATION, READMISSION, AND LENGTH OF STAY FOLLOWING TOTAL LARYNGECTOMY WITHOUT FREE FLAP: A REVIEW OF THE AMERICAN COLLEGE OF SURGEONS NATIONAL QUALITY IMPROVEMENT PROGRAM.
Samuel N Helman, MD¹, Brant Jason, MD², Steven B Cannady, MD³, Jason G Newman, MD³, Chai Raymond, MD⁴; ¹New York Eye and Ear Infirmary of Mount Sinai, ²Hospital of the University of Pennsylvania,³Department of Otolaryngology - Head and Neck Surgery, Hospital of the University of Pennsylvania, ⁴Department of Otolaryngology, Icahn School of Medicine at Mount Sinai

S128 A BIOLOGIC ANTIMICROBIAL COATING FOR IMPLANTABLE HEAD AND NECK HARDWARE
Olivia T Cheng, BA¹, Eric Babajanian, BS¹, Shawn Li, MD², Anna Akkus, PhD³, Ozan Akkus, PhD³, Tracey Bonfield, PhD³, Chad Zender, MD, FACS²; ¹Case Western Reserve University School of Medicine,²University Hospitals- Case Western Medical Center, ³Case Western Reserve University

S129 OSTEOCUTANEOUS RADIAL FOREARM FREE FLAP RECONSTRUCTION OF THE MIDFACE ACHIEVES GOOD FUNCTIONAL OUTCOMES WITH MINIMAL DONOR SITE MORBIDITY.
Larissa Sweeny¹, Timothy Connolly¹, Benjamin Greene¹, William Carroll¹, Eben Rosenthal²; ¹University of Alabama at Birmingham, ²Stanford University

S130 ANALYSIS OF CLINICAL VARIABLES ASSOCIATED WITH PLATE EXTRUSION IN OROMANDIBULAR RECONSTRUCTION
 Jessica D Prasad, Dr, Anthony Nichols, Dr, Kevin Fung, Dr, Danielle MacNeil, Dr, Julie Theurer, PhD, Danny Lee, David Yeh MD, FRCS, John Yoo, Dr; London Health Sciences Centre, London, Ontario. (Western University)

S131 LONG-TERM RESULTS OF DENTAL IMPLANTS IN HEAD AND NECK TUMOR PATIENTS AND TREATMENT MODALITIES AS RISK FACTORS FOR IMPLANT FAILURE
Stephan Studer, DMD¹, Gerhard Huber, MD², Gabriela Studer, MD², Tamara Rordorf, MD², Harald Essig, MD, DMD², Daniel Zweifel, MD, DMD², Martin Rucker, MD, DMD², Marius Bredell, BChD, MBChB, MChD²; ¹Dental office, limited to tumor patients, Zurich, Switzerland, ²University Hospital Zurich, Switzerland

S132 APPLICATION OF IMPLANTABLE VENOUS FLOW COUPLERS IN THE MONITORING OF FREE FLAPS: ANALYSIS OF 201 CONSECUTIVE RECONSTRUCTIONS OF THE HEAD AND NECK.
Scott H Troob, MD, Deniz Gerecci, MD, Javier D Gonzalez, MD, Macgregor Hodgson, BA, Daniel Petrisor, DMD, MD, Mark K Wax, MD; Oregon Health and Science University

S133 VENOUS TECHNIQUE DOES NOT AFFECT FREE FLAP SURVIVAL: A UNIVERSITY OF MIAMI EXPERIENCE
Nicholas C Purdy, DO¹, Jared Gans, MD², Chetan Nayak, MD³, Zoukaa Sargi, MD, MPH³, Jason Leibowitz, MD³; ¹Geisinger Medical Center, ²Montefiore Medical Center, ³University of Miami

Saturday, July 16, 2016

Sunday, July 17, 2016

Monday, July 18, 2016

Tuesday, July 19, 2016

Wednesday, July 20, 2016

S134 ANTIBIOTIC PROPHYLAXIS IN HEAD AND NECK OSTEOMYOCUTANEOUS FREE TISSUE TRANSFERS. A SINGLE INSTITUTION RETROSPECTIVE REVIEW.

James A Murphy, BDS, MB, BCh, BAO, MFDS, MRCS, FFD, Joshua E Lubek, MD, DDS, FACS, Amal Isaiah, MD, PhD, Ahmed Farid, DDS; University of Maryland M

S135 LONG-TERM DONOR AND RECIPIENT SITE OUTCOMES FOLLOWING FIBULA FREE FLAP RECONSTRUCTION IN THE HEAD AND NECK

Andrew T Huang, MD¹, Peirong Yu, MD², Matthew Hanasono, MD²; ¹Medical University of South Carolina, ²The University of Texas M.D. Anderson Cancer Center

5:30 pm - 6:30 pm **Tips on NIH Peer Review and Funding Opportunities at NIDCR** Tahoma 1

Moderators: Yasaman Shirazi, PhD & Sundar Venkatachalam, MD, PhD

5:30 pm - 6:30 pm **Building a Multidisciplinary Head and Neck Program from the Ground Up** 4C-1-2

Moderators: Carole Fakhry, MD, MPH & Yelizaveta L. Shnayder, MD

Sponsored by the Women in AHNS Task Force and AHNS Young Members Task Force

The special panel will discuss important topics ranging from the development of Endocrine and Transoral Robotic Surgery programs to developing a Multidisciplinary Head and Neck Cancer Program at a county hospital, to rebuilding a program after a natural disaster. The session will focus on addressing potential challenges and resolutions. You will learn the key components in making a program successful and how to create a supportive environment from key stakeholders.

Building a Head and Neck Program After Hurricane Katrina - Anna M. Pou, MD

Building a Head and Neck Program at a County Hospital - Amy Anne Lassig, MD, BA

Developing a Thyroid Program - Vikas Mehta, MD

Building a Transoral Robotic Surgery Program - Umamaheswar Duvvuri, MD, PhD

At the conclusion of this session, participants will be able to:

- Recognize how to identify and engage key participants needed to develop a Multidisciplinary Head and Neck Cancer Program and to promote the implementation of novel technologies
- Identify the financial implications of the Multidisciplinary Clinical Program, including tips on how to create a business plan and justify new hiring
- Implement identifying appropriate patient population, establishing referral pattern and training OR personnel in Robotic Surgery

Scientific Session

Sunday, July 17, 2016

6:30 pm - 7:30 pm

Building a Multidisciplinary Head and Neck Program from the Ground Up Networking Hour

Skybridge Lobby

*Sponsored by the Women in AHNS Task Force and
AHNS Young Members Task Force*

RSVP Required

7:30 pm - 8:30 pm

International Welcome Reception with Exhibitors

4E

Saturday, July 16, 2016

Sunday, July 17, 2016

Monday, July 18, 2016

Tuesday, July 19, 2016

Wednesday, July 20, 2016

Monday, July 18, 20166:00 am - 7:15 am **Intuitive Surgical Satellite** 4C-2**Symposium: Innovations in Robotic Surgery - Intuitive Breakfast Symposium - Dedicated to Technological Excellence**

This is a NON-CME activity and was not planned by AHNS. AHNS takes no responsibility for the content.

Speakers: Drs. Chris Holsinger, Eric J. Moore and Gregory S. Weinstein

6:00 am - 7:15 am **Medtronic Satellite Symposium:** 4C-4**State-of-the-Art Neural Monitoring 2016**

This is a NON-CME activity and was not planned by AHNS. AHNS takes no responsibility for the content.

Speakers: Gregory Randolph, MD, FACS;
Richard J. Wong, MD, FACS and
Catherine F. Sinclair, M.D., FRACS

7:30 am - 8:30 am **Jatin P. Shah Symposium** 4F**The Future of Head and Neck Cancer in 10 Years**

Moderator: Robert L. Ferris, MD, PhD

Operating Room of the Future -	Jonathan Irish, MD
Early Clinical Trials -	Eben L. Rosenthal, MD
Radiation Therapy -	Quynh-Thu Le, MD
Systemic Therapy -	Barbara A. Burtness, MD
Immunotherapy -	Robert L. Ferris, MD, PhD

8:30 am - 9:00 am **AHNS Awards Ceremony** 4F9:00 am - 9:45 am **AHNS Presidential Address & Presidential Citations** 4F**Dennis H. Kraus, MD**

**New York Head & Neck Institute
New York, NY**

Introduction by: Jeffrey N. Myers, MD, PhD

**Presidential Guest of Honor:
Harvey M. Tucker, MD**

**Distinguished Service Award:
Ehab Y. Hanna, MD**

Presidential Citations

Mike Benninger, MD; John Coleman, MD;
Maradalia De La Cruz; Diana Desiova; Yvonne Estepa;
Doug Frank, MD, FACS; Evangeline Garzon;
Pierre Lavertu, MD; Nancy Leupold; Drew Ridge, MD, PhD;
Dave Terris, MD; & Greg Weinstein, MD

9:45 am - 10:30 am

Keynote Lecture
Technology Implementation in a Safe and High Reliability Health Care Organization

4F



Dave Williams, MD

CEO, Southlake Regional Health Centre; Former NASA/Canadian Space Agency Astronaut Newmarket, Ontario, Canada

Introduction by: Eben L. Rosenthal, MD

10:30 am - 10:45 am

Break in Exhibit Hall

4E

10:45 am - 12:15 pm

Video Sessions, Panels or Proffered Papers

Video Sessions: How I Do It – Part 1

4F

Moderator: James L. Netteville, MD

During this session experts in the field of Head and Neck Surgery have been selected for their expertise in critical surgical procedures. Each will present their topic by use of a surgical video of the procedure outlining their techniques, including indication, surgical pearls, and how to avoid the potential complications of each procedure.

TLM for OPSCC - Bruce H. Haughey, MBChB, FRACS

TORS for OPSCC - Gregory S. Weinstein, MD

TORS for Larynx - Enver Ozer, MD

Endoscopic Pituitary - Carl H. Snyderman, MD, MBA

Robotic Neck Dissection - Yoon Woo Koh, MD, PhD

Central Neck Dissection - Ralph P. Tufano, MD

At the conclusion of this session, participants will be able to:

- Recognize in-depth tips and surgical pearls from each of the video surgical presentations by experts in the field
- Identify indications for each procedure
- Demonstrate how to avoid complications of each procedure

Panel: Evolving Role of Induction Chemotherapy

4C-1-2

Moderator: Lisa Licitra, MD & Danny Rischin, MD

Induction Therapy to Deintensify RT for HPV+ -

Barbara A. Burtness, MD

Wrap up Summary: What is the Role of Induction Chemotherapy? -

Danny Rischin, MD

Functional Benefits of Induction Therapy -

Jan S. Lewin, MD

Standard and Non-Standard Regimens -

Lisa Licitra, MD

Panel: Changing Landscape in Management of Thyroid Cancers

4C-3

Moderator: Gary L. Clayman, MD, DDS & Claudio R. Cernea, MD

Role of Targeted Chemotherapy in DTC - Marcia Brose, MD, PhD

Differentiated Thyroid Cancer: Use of RET Mutation in Management Decisions - Gary L. Clayman, MD, DDS

Recurrent Medullary Thyroid Cancer - Systematic Approach to Imaging and When to Operate - Claudio R. Cernea, MD

Role of Radiation Therapy for Advanced and Metastatic Differentiated Thyroid Cancer - James Brierley, MS, MB, FRCR, FRCPC

Panel: The Current Management of Melanoma: A Multidisciplinary Approach

4C-4

Moderators: Carol R. Bradford, MD & Steven J. Wang, MD

The panel will discuss the current management of melanoma from a multidisciplinary perspective. Recent advances in surgical technique, radiation treatment, and targeted therapies will be highlighted using a evidenced-based approach with case illustrations.

Introduction - Carol R. Bradford, MD

Surgical Management of Melanoma - Carol R. Bradford, MD

Management of Regional Disease - Larry L. Myers, MD

Radiation Therapy - Bryan Burmeister, MD

Systemic and Targeted Therapy For Melanoma - Shailender Bhatia, MD

Cases for Panel Discussion - Steven J. Wang, MD

At the conclusion of this session, participants will be able to:

- Plan surgical management of primary and regionally metastatic melanoma of the head and neck.
- Choose appropriate adjuvant treatment for locoregionally advanced melanoma.
- Articulate best practices for patients with advanced metastatic melanoma

Proffered Papers: Basic Science

Tahoma 1

Moderators: Emiro Caicedo-Granados, MD; Mark J. Jameson, MD, PhD; & Yi Li, MD

S136 MICROBIOME PROFILING AND CLINICO-PATHOLOGIC BEHAVIOR IN ORAL TONGUE CANCER

Huan Zhang, BA¹, Pauline Funchain, MD², Farshad Niazi, BS⁶, Gurkan Bebek, PhD³, Jessica Altemus, MS⁶, Marty Retuerto, MS⁴, Mahmoud Ghannoum, PhD, EMBA⁴, Brian Burkey, MD, MEd⁵, Charis Eng, MD, PhD⁶; ¹Cleveland Clinic Lerner College of Medicine, ²Cleveland Clinic Taussig Cancer Institute, ³Case Western Reserve University Center for Proteomics and Bioinformatics, ⁴Case Western Reserve University Department of Dermatology, ⁵Cleveland Clinic Head and Neck Institute, ⁶Cleveland Clinic Genomic Medicine Institute

S137 CHANGE IN CD3 ZETA CHAIN EXPRESSION IS AN INDEPENDENT PREDICTOR OF DISEASE STATUS IN HEAD AND NECK CANCER PATIENTS

Deepak Upreti, Man Li Zhang, Sam Kung, K. Alok Pathak; University of Manitoba

S138 C-MET-MEDIATED REACTIVATION OF PI3K/AKT SIGNALING CONTRIBUTES TO INSENSITIVITY OF BRAF(V600E) MUTANT THYROID CANCER TO BRAF INHIBITION

Hyung Kwon Byeon, MD, PhD¹, Ji-Hoon Kim, MD¹, Jung Min Kim, MD¹, Myung Jin Ban, MD², Jae Wook Kim, MD², Won Shik Kim, MD¹, Hwi Jung Na, BS¹, Yeon Ju Yang, PhD¹, Yoon Woo Koh, MD, PhD¹, Eun Chang Choi, MD, PhD¹; ¹Department of Otorhinolaryngology, Yonsei University College of Medicine, ²Department of Otorhinolaryngology, Soonchunhyang University College of Medicine

S139 SUPRACRICOID PARTIAL LARYNGECTOMY WITH CHEP. A SERIE OF 191 PATIENTS WITH GLOTTIC CANCER. IS IT STILL INDICATED?

Dominique Chevalier, MD, François Mouawad, MD, PhD, Benedicte Rysman, MD, Anne Sophie Thisse, MD, Geoffrey Mortuaire; University Hospital Lille

S140 CLINICAL SIGNIFICANCE OF TUMOR-ASSOCIATED NEUTROPHILS IN ORAL SQUAMOUS CELL CARCINOMA

Davide Lombardi, MD¹, Davide Mattavelli, MD¹, Valentina Taglietti, MD¹, Cesare Piazza, MD¹, Alberto Paderno, MD¹, Francesco Missale, MD², William Vermi, MD³, Piero Nicolai, MD¹; ¹Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Italy, ²Department of Otorhinolaryngology - Head and Neck Surgery, University of Genoa, Italy, ³Department of Molecular and Translational Medicine, University of Brescia, Italy

S141 MOLECULAR DISSECTION OF THE ONCOGENIC ROLE OF ETS1 IN THE MESENCHYMAL SUBTYPES OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Christian Gluck, Isha Sethi, Maria Tsompana, PhD, Satrajit Sinha, PhD; SUNY Buffalo

S142 STRATEGIES FOR WEE1 INHIBITOR AS A NOVEL TARGETED THERAPY FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA, EXPLOITING G2/M CHECKPOINT ABROGATION AFTER GENOTOXIC THERAPY

Michael Kao, MD¹, Keffy Kehrl², Carlos Green¹, Julia Sidorova, PhD², Eduardo Mendez, MD, MS¹; ¹University of Washington, Department of Otolaryngology, Fred Hutchinson Cancer Research Center, Clinical Research Division, ²University of Washington, Department of Pathology

S143 CD44 AND ASSOCIATED MARKERS IN ORAL RINSES AND TISSUES FROM ORAL CANCER PATIENTS

Erin R Cohen, BS, Aymee Perez, PhD, Lutecia Pereira, PhD, Erika Reategui, MS, Isildinha M Reis, PhD, Carmen Gomez, MD, Monika E Freiser, MD, MPH, Elizabeth J Franzmann, MD; University of Miami

S144 ALTERED LYMPH NODE IMMUNE MICROENVIRONMENT IN SQUAMOUS CELL CARCINOMA PATIENTS WITH EXTRACAPSULAR SPREAD

Adam Luginbuhl, MD, Michael C Topf, MD, Joseph M Curry, MD, David M Cognetti, MD, Ulrich Rodeck, MD, PhD, Larry A Harshyne, PhD; Thomas Jefferson University Hospital

Proffered Papers: New Therapeutic Targets & Diagnostics

Tahoma 2

Moderators: Apostolos Christopoulos, MD, MSc; Satoshi Fukuda, MD; & Benjamin Judson, MD

Saturday, July 16, 2016

Sunday, July 17, 2016

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S145 TREATMENT WITH SCLEROSTIN ANTIBODY TO STIMULATE MANDIBULAR BONE FORMATION IN A MOUSE MODEL.

Matthew Tamplen, MD¹, Tristan Fowler, PhD¹, Jeff Markey, MD¹, Larry J Suva, PhD², P. Daniel Knott, MD¹, Tamara Alliston, PhD¹; ¹University of California San Francisco, ²Texas Veterinary Medical Center

S146 GENOME SCALE RNAI SCREEN OF PATIENT-DERIVED TUMOR PRIMARY CELLS FOR THE IDENTIFICATION OF THERAPEUTIC TARGETS AND CHEMO-SENSITIZERS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC)

Chang Xu¹, Olga Nikolova², In Sock Jang³, Ryan M Mitchell⁴, Yuzheng Zhang³, Justin Guinney³, Adam Margolin³, Carla Grandori³, Chris Kemp³, Eduardo Méndez¹; ¹University of Washington/Fred Hutchinson Cancer Research Center, ²Oregon Health & Science University, ³Fred Hutchinson Cancer Research Center, ⁴University of Washington

S147 INDUCTION CETUXIMAB, PACLITAXEL, CARBOPLATIN FOLLOWED BY CHEMORADIATION, CETUXIMAB, PACLITAXEL, AND CARBOPLATIN FOR STAGE III/IV H&N SCC: A PHASE II ECOG TRIAL (E2303)

Harold J Wanebo, MD, Ju-Whei Lee, PhD, Barbara A Burtness, MD, John A Ridge, MD, PhD, Musie Ghebremichael, PhD, Sharon A Spencer, MD, Arlene A Forastiere, MD; Eastern Oncology Group

S148 ADJUNCT TESTOSTERONE THERAPY IMPROVES CARDIAC FUNCTION IN CANCER PATIENTS UNDERGOING CHEMORADIOTHERAPY

Albert Chamberlain, MD, Michael Kinsky, MD, McCammon Susan, MD, Daniel Jupiter, PhD, Maurice Willis, MD, Sandra Hatch, MD, Gwyn Richardson, MD, E L Dillon, PhD, W J Durham, PhD, R J Urban, MD, M Sheffield-Moore, PhD; University of Texas Medical Branch

S149 PLASMONIC PHOTOTHERMAL THERAPY (PPTT) FOR INDUCED ORAL CANCERS

Hazem Saleh, MD¹, Omar Abdellatif, MSc², Mohamed Osama Elshazly, PhD³, Alaa Raafat, PhD², Adel Gohar, PhD², Taher Salah El Din, PhD⁴; ¹Otolaryngology Department, National Institute of Laser, Cairo University, ²Department of Clinical Pathology, Faculty of Veterinary Medicine, Cairo University, ³Department of Pathology, Faculty of Veterinary Medicine, Cairo University, ⁴Nanotechnology Laboratory, Agricultural Research Centre, Egypt

S150 A PHASE 3, RANDOMIZED, OPEN-LABEL STUDY OF DURVALUMAB (MEDI4736) +/- TREMELIMUMAB, VERSUS STANDARD OF CARE (SOC), IN PLATINUM-RESISTANT RECURRENT OR METASTATIC (R/M) SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK (SCCHN): EAGLE

Robert L Ferris¹, Mikhail Dvorkin PhD², Jerome Fayette³, Paul Clement⁴, Caroline Even⁵, Eva Remenar⁶, Robert Haddad⁷, Makoto Tahara⁸, Trishna Goswami⁹, April Franks⁹, Ugochi Emeribe⁹, Giovanni Melillo⁹, Lisa Licitra¹⁰; ¹Department of Otolaryngology and Cancer Immunology Program, University of Pittsburgh Cancer Institute, Pittsburgh, USA, ²Budgetary Healthcare Institution of Omsk Region "Clinical Oncologic Dispensary", ³Centre Léon Bérard, Lyon, France, ⁴Universitair Ziekenhuis Leuven, Leuven, Belgium, ⁵Head and Neck Oncology, Institut Gustave-Roussy, Villejuif, France, ⁶Országos Onkológiai Intézet, Budapest, Hungary, ⁷Dana Farber Cancer Institute, Boston, USA, ⁸Head and Neck Medical Oncology, National Cancer Center Hospital East, Kashiwa, Japan, ⁹Immuno-Oncology GMD, AstraZeneca, Gaithersburg, USA, ¹⁰Head and Neck Cancer Medical Oncology Unit, Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy

S151 5-AZACYTIDINE SELECTIVELY INDUCES TRANSCRIPTION-DEPENDENT DNA DOUBLE STRAND BREAKS AND LIMITS METASTATIC POTENTIAL IN HUMAN PAPILLOMA VIRUS ASSOCIATED HEAD AND NECK SQUAMOUS CELL CARCINOMA

Michael Hajek, Andrew Sewell, MD, Asel Biktasova, MD, PhD, Cyril

Gary, Wendell Yarbrough, MD, MMHC, FACS, Natalia Issaeva, PhD; Yale School of Medicine

S152 RADIOIMMUNOTHERAPY OF ANTI-EGFR ANTIBODY LABELED WITH RADIOISOTOPE IN HEAD AND NECK SQUAMOUS CELL CARCINOMA XONOGRAFTED MODEL

Ik Joon Choi, MD, Guk Haeng Lee, MD; Department of Otolaryngology-Head and Neck surgery, Korea Cancer Center Hospital

S153 INCREASED EXPRESSION OF DR4/DR5 IN CSC LIKE CHEMOTHERAPY RESISTANT CELLS FROM HEAD & NECK CANCER MIGHT RENDER THEM SUSCEPTIBLE TO TRAIL MEDIATED APOPTOSIS

Sudheendra H V¹, Safeena Kulsum¹, Gangotri Siddappa¹, Ravindra Dr², Sindhu V Govindan², Moni A Kuriakose², Amritha Suresh¹; ¹DSRG-5, Integrated Head and Neck Oncology Research Program, Mazumdar Shaw Center for Translational Research, Mazumdar Shaw Medical Center, Narayana Health City, Bengaluru - 560099, ²Head and Neck Oncology, Mazumdar Shaw Medical Centre, Narayana Health City, Bengaluru - 560099

Proffered Papers: Oropharynx II

Tahoma 3

Moderators: Gideon Y. Bachar, MD, MSc; Joseph A. Paydarfar, MD; & Sharon A. Spencer, MD

S154 ACCURACY OF FIRST POST-TREATMENT PET/CT IN PREDICTION OF DISEASE-FREE SURVIVAL FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMA TREATED WITH PRIMARY TRANSORAL ROBOTIC SURGERY (TORS)

Kealan C Hobelmann, Adam J Luginbuhl, MD, William M Keane, MD, Joseph M Curry, MD, David M Cognetti, MD; Thomas Jefferson University

S155 ROLE OF MARGIN STATUS IN TRANSORAL ROBOTIC SURGERY (TORS) FOR HEAD & NECK SQUAMOUS CELL CARCINOMA

Sapna A Patel, MD¹, Aarthi Parvathaneni², Neal D Futran, DMD, MD¹, Eduardo Méndez, MD, MS¹; ¹University of Washington, ²Interlake High School

S156 SUPERIOR SURVIVAL OF SURGICAL BASED TREATMENTS IN ADVANCED STAGE TONSIL CANCER

Dylan F Roden, MD, MPH¹, David Schreiber, MD², Babak Givi, MD¹; ¹Department of Otolaryngology - Head & Neck Surgery, New York University, ²Department of Radiation Oncology, Downstate University

S157 PROGNOSTIC MODELS INCLUDING HPV: PREFERRED TEST, VALIDATION AND DECISION CURVE ANALYSIS FOR PATIENTS IN THE NETHERLANDS AND THE USA.

Emilie Dronkers¹, Daan Nieboer, Msc¹, Stephanie Mes, MD², Marc van der Schroeff, MD, PhD¹, Ton Langeveld, MD, PhD², Dorina Kallogjeri, MD, PhD⁴, René Leemans³, Jay Piccirillo, MD, PhD⁴, Ruud Brakenhoff, PhD³, Ewout Steyerberg, PhD¹, Robert Baatenburg de Jong, MD, PhD¹; ¹Erasmus University Medical Center Rotterdam, ²Leiden University Medical Center, ³VU Medical Center Amsterdam, ⁴Washington University School of Medicine in St.Louis

S158 PERSISTENT NECK DISEASE AFTER COMBINED CHEMORADIATION THERAPY FOR HPV-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CANCER: INCIDENCE AND PREDICTIVE FACTORS

Sewit Teckie, MD, Maged Ghaly, MD, Dev Kamdar, MD, Douglas Frank, MD, Nagashree Seetharamu, MD; Northwell Health System

S159 IMPROVED SURVIVAL FOR N2A OROPHARYNX SQUAMOUS CELL CARCINOMA VS. N0/N1: IS OUR STAGING SYSTEM STILL ACCURATE? A POPULATION-BASED ANALYSIS OF 15,588 CASES.

Valerie Fritsch, MD, David Neskey, MD, Terry Day, MD; Medical University of South Carolina

Saturday, July 16, 2016

Sunday, July 17, 2016

Monday, July 18, 2016

Tuesday, July 19, 2016

Wednesday, July 20, 2016

S160 TREATMENT OUTCOMES FOR N3 DISEASE FROM HPV-RELATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Joseph Zenga, MD¹, Bruce H Haughey, MBChB, MS¹, Ryan S Jackson, MD¹, Douglas R Adkins, MD¹, John Aranake-Chrisinger, MD¹, Neel Bhatt, MD¹, Hiram A Gay, MD¹, Dorina Kallogjeri, MD, MPH¹, Eliot J Martin, RPAC², Eric J Moore, MD², Randal C Paniello, MD, PhD, MBA¹, Jason T Rich, MD¹, Wade L Thorstad, MD¹, Brian Nussenbaum, MD¹; ¹Washington University School of Medicine, ²Mayo Clinic

S161 HIGH-RISK HUMAN PAPILLOMAVIRUS IN TONSIL TISSUE: PREVALENCE IN HEALTHY ADULTS AND COLOCALIZATION WITHIN CRYPT BIOFILM.

Katherine K Rieth, MD, Steven R Gill, PhD, Mark A Merkley, MD, PhD, Paul D Allen, PhD, Abberly Lott Limbach, MD, Matthew C Miller, MD; University of Rochester Medical Center

S162 IMPACT OF EXTRACAPSULAR EXTENSION IN NODE-POSITIVE HEAD AND NECK SQUAMOUS CELL CARCINOMAS - A POPULATION-BASED STUDY

Daniel Gerry, MD, Christopher Johnson, James K Byrd, MD; Medical College of Georgia at Augusta University

Proffered Papers: Skull Base

Tahoma 4

Moderators: Timothy M. McCulloch, MD & Adam Zanation, MD

S163 CLINICAL SIGNIFICANCE OF PREOPERATIVE EVALUATION OF THE EXTENT OF ORBITAL INVASION IN MAXILLARY SQUAMOUS CELL CARCINOMA

Il-Seok Park, MD, PhD, Bum-Ki Cho, MD, Go-Woon Kim, MD, Min Woo Park, MD, Kee Hwan Kwon, MD, PhD, Young-Soo Rho, MD, PhD; Department of Otolaryngology-Head and Neck Surgery, Ilsong Memorial Head and Neck - Thyroid Cancer Hospital, Hallym University Medical Center, Seoul, Korea

S164 FAR MEDIAL TRANSORAL ENDOSCOPIC APPROACH TO THE INFRATEMPORAL FOSSA: ANALYSIS OF SURGICAL CORRIDOR AND SURGICAL FREEDOM

Hafiz Patwa, MD, Daniel Prevedello, MD, Ricardo Carrau, MD; Ohio State University

S165 ADVANCES IN THE MANAGEMENT OF HEAD & NECK PARANGLIOMAS

Khalid Chowdhury, MD, MBA¹, Robert Muckle, MD², Roderick Lamond, MD³, Bethany Slater, MD⁴; ¹Center for Craniofacial & Skull Base Disorders, ²Denver Ear Associates, ³Colorado Brain & Spine Institute, ⁴Rocky Mountain Pediatric Surgery

S166 3-DIMENSIONAL VIRTUAL NAVIGATION VERSUS CONVENTIONAL IMAGE GUIDANCE: A RANDOMIZED CONTROLLED TRIAL ON A SKULL BASE MODEL.

Benjamin J Dixon, MBBS, FRACS¹, Harley Chan, PhD², Michael J Daly, MSc², Jimmy Qiu², Allan Vescan², Ian J Witterick, MD², Jonathan C Irish, MD²; ¹The University of Melbourne, ²The University of Toronto

S167 THE USE OF PHOTODYNAMIC THERAPY AS ADJUVANT THERAPY TO SURGERY IN RECURRENT MALIGNANT TUMORS OF THE PARANASAL SINUSES.

Tessa E van Doeveren, MD, Lisa Caesar, MD, Bing Tan, PhD, MD, Alper Dilci, MD, Robert L van Veen, PhD, Baris Karakullukcu, PhD, MD; Department of Head and Neck Oncology and Surgery, The Netherlands Cancer Institute, Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands

S168 OUTCOMES FOR ESTHESIONEUROBLASTOMA TREATED WITH NEOADJUVANT CHEMOTHERAPY

Shirley Su, MD, Diana Bell, Renata Ferrarotto, MD, Dianna Roberts, PhD, Michael E Kupferman, MD, Bonnie S Glisson, MD, Merrill S Kies, MD, Ehab Y Hanna, MD; The University of Texas MD Anderson Cancer Center

S169 POSTOPERATIVE COMPLICATIONS IN SKULL BASE SURGERY FOR NASAL AND PARANASAL MALIGNANT TUMORS INVOLVING SKULL BASE

Masanori Teshima¹, Hirota Shinomiya¹, Naoki Otsuki¹, Hidehito Kimura², Kazunobu Hashikawa³, Eiji Koumura², Ken-ichi Nibu¹; ¹Department of Otolaryngology - Head and Neck Surgery, Kobe University Hospital, ²Department of Neurosurgery, Kobe University Hospital, ³Department of Plastic Surgery, Kobe University Hospital

S170 NEAR-INFRARED AUTO-FLUORESCENCE RAMAN SPECTROSCOPY SYSTEM IN THE SURVEILLANCE OF PATIENTS WITH NASOPHARYNGEAL CANCER

Chwee Ming Lim¹, Xue Ying Goh¹, Nagaraja Rao Gangodu¹, Kan Lin², Zhi Wei Huang²; ¹NUHS, ²NUS

S171 CHANGING TRENDS IN THE MANAGEMENT OF ESTHESIONEUROBLASTOMA: IRISH AND INTERNATIONAL PERSPECTIVES

Robbie S Woods¹, Thavakumar Subramaniam¹, Mary Leader², Roy McConn-Walsh¹, James Paul O'Neill¹, Peter D Lacy¹; ¹Department of Head and Neck Surgery, Beaumont Hospital, ²Department of Histopathology, Beaumont Hospital

12:15 pm - 1:45 pm **Lunch On Own**

OR

12:30 pm - 1:30 pm **Lunch with Professors or Tumor Boards**

Ticket required for all Lunch with Professors or Tumor Board Sessions.

Management of Combined Modality Toxicities

4F

Moderator: Bevan Yueh, MD

The session will discuss side effects of combined modality treatment, including osteoradionecrosis, dysphagia, and xerostomia. We will share our approaches to diagnosis and management of these side effects.

Introduction -**Bevan Yueh, MD****Recognition and Management of****Osteoradionecrosis - Kevin McLoughlin P. Higgins, MD, FRCS****Recognition and Management of Dysphagia -****Bevan Yueh, MD****Talk TBD -****G Jolie Ringash, MD**

At the conclusion of the session, participants will be able to:

- Describe the common toxicities following combined modality treatment
- Describe initial work-up of common toxicities following combined modality treatment
- Appreciate initial treatment of common toxicities following combined modality treatment

**Value Based Oncology and
Clinical Pathways**

4C-1-2

Moderator: Robert I. Haddad, MD

**Targeted Agents and
Immunotherapies in 2016**

4C-3

Moderator: William N. William Jr, MD

We will use a case vignette to discover how to best integrate targeted therapies and immunotherapy for management of locally advanced and recurrent / metastatic squamous cell carcinomas of the head and neck.

**Targeted Therapies and Immunotherapy in Locally Advanced
and Metastatic HNSCC: A Case Vignette - William William Jr, MD****Novel Immunotherapy-Based Strategies
for HNSCC: Biomarkers and Management
of Locally Advanced Disease - Ravindra Uppaluri, MD, PhD**

At the conclusion of the session, participants will be able to:

- Choose the most appropriate targeted agents to treat locally advanced and metastatic HNSCC
 - Recommend appropriate use of immunotherapies for HNSCCs
 - Identify immunotherapy-related biomarkers that should or should not be integrated into routine clinical practice
-

Functional Imaging

4C-4

Moderator: Tanya Rath, MD

Functional imaging complements anatomic imaging by attempting to non-invasively characterize tumor physiology. Standard and novel PET imaging techniques as well as functional MRI techniques with potential application in adaptive head and neck squamous cell carcinoma (HNSCC) therapy will be discussed in a didactic and case-based format, followed by a question and answer session.

Introduction - Tanya Rath, MD**PET/CT and Novel PET Radiopharmaceuticals
in HNSCC - Rathan Subramaniam, MD****Functional MRI in HNSCC - Yoshimi Anzai, MD**

At the conclusion of the session, participants will be able to:

- Describe the novel molecular imaging biomarkers and tracers with potential application in the adaptive management of HNSCC
- List the useful functional MR imaging techniques available in patients with HNSCC
- Describe the current applications of PET/CT in HNSCC

Prospective Trials in Head and Neck Cancer

Tahoma 1

Moderator: Erich M. Sturgis, MD

A brief overview of NCI / NCTN mechanism and organizational structure will be provided. There will be a more detailed review of prospective clinical trials leading to the current principal national prospective clinical trials in the two cooperative groups with dedicated head and neck groups (ECOG and NRG). Significant time for open discussion will be allotted.

Introduction - Erich M. Sturgis, MD

Overview of the NCI / NCTN - Erich M. Sturgis, MD

Overview of the ECOG Trials - Panayiotis Savvides, MD, PhD, MPH

Overview of the NRG Trials - David Raben, MD

At the conclusion of the session, participants will be able to:

- Understand the mechanism of how a trial is developed through the NCI cooperative trials process.
- Distinguish the spectrum of clinical trials available through the ECOG and NRG.
- Advance clinical trial participation.

Tumor Board: Pharynx/Larynx

Tahoma 2

Moderator: Michael G. Moore, MD

This will be a case-based discussion on the contemporary work up and management of tumors of the pharynx and larynx. The panel experts will provide their perspective on key points such as the decision for surgical versus non-surgical therapy, endoscopic versus open surgical techniques, and how to optimize function in these patients.

Introduction - Michael G. Moore, MD

Non-Surgical Treatment Techniques for Larynx and Pharynx Cancer - Lisa Licitra, MD

Surgical Approaches for Pharynx and Larynx Tumors - Roberto Lima, MD, PhD

Tumor Board Cases - Michael G. Moore, MD

At the conclusion of the session, participants will be able to:

- Determine when it is appropriate to apply non-surgical therapy in the management of patients with cancer of the pharynx or larynx.
- Distinguish when it would be appropriate to employ upfront surgery and which technique would be best to use.
- Formulate a treatment algorithm for management of patients with pharynx and laryngeal cancer.

Tumor Board: Thyroid

Tahoma 3

Moderator: Young-Ik Son, MD, PhD

Through the case presentations, current issues will be discussed including (1) the use of next generation sequencing, (2) molecular targeted therapy for the RAI refractory thyroid cancer, (3) central neck dissection and (4) active surveillance strategy.

Next Generation Sequencing - Edmund D. Pribitkin, MD

Molecular targeted Therapy - Marcia Brose, MD, PhD

Central Neck Dissection - Jorge Pinho, MD

Active Surveillance - Young-Ik Son, MD, PhD

At the conclusion of the session, participants will be able to:

- Recognize the changes in new guideline
- Apply the acceptable guideline in daily practice
- Assess the risk stratification of thyroid cancer patients

Reducing Morbidity in Endoscopic Skull Base Procedures

Tahoma 4

Moderator: Michael Kupferman, MD

This session will focus on the prevention and management of surgical complications and morbidity from minimally invasive skull base surgery. Peri-operative strategies will be explored with case presentations and formal lectures.

Introduction - Michael Kupferman, MD

Pre-operative Strategies - Adam Zanation, MD

Intra-operative Strategies - Carl H. Snyderman, MD, MBA

Panel Discussion

At the conclusion of the session, participants will be able to:

- Develop an algorithm for the preoperative prevention of surgical morbidity from skull base surgery
- Understand surgical technique to limit surgical morbidity from skull base surgery
- Recognize the appropriate utilization of various approaches to complication prevention

1:45 pm - 3:15 pm **PANELS OR PROFFERED PAPERS**

Panel: HPV: Epidemiology, Behavior, Prevention and Clinical Implications

4F

Moderators: Carole Fakhry, MD, MPH & Brian O'Sullivan, MD

This session will review the unique characteristics of human papillomavirus (HPV)- associated oropharyngeal squamous cell cancer. Talks will summarize the epidemiologic, preventive and clinical implications of HPV in head and neck cancer.

Introduction - Carole Fakhry, MD, MPH & Brian O'Sullivan, MD

Oropharyngeal Cancer Incidence Trends;

Implications for Prevention -

Carole Fakhry, MD, MPH

The Proposed New TNM Staging System for

Oropharyngeal Cancer -

Brian O'Sullivan, MD

Prevalence and Prognostic Role of HPV in Primary

Versus Recurrent Head and Neck Cancer -

Inge Tinhofer, PhD

Research Questions and Trial Designs:

The Evolving Clinical Trial Landscape in HPV-Associated

Head and Neck Cancer -

Barbara A. Burtness, MD

At the conclusion of the session, participants will be able to:

- Understand incidence trends of HPV-associated oropharyngeal cancer.
- To review the prognostic and staging implications of HPV-OPC.
- To review first generation trials for oropharyngeal cancer.

Panel: New Targeted Therapies in Head and Neck Cancer

4C-1-2

Moderator: Ezra E.W. Cohen, MD

This session will discuss studies demonstrating the existence of a unique sub-population of highly tumorigenic cancer stem cells in salivary gland malignancies, and discuss recent attempts to target these cells with novel small molecule inhibitors. Multifunctional (theranostic or smart) nanoparticles that can be applied for simultaneous specific targeting, in vivo imaging, and treatment of cancer will be discussed; and, novel therapies in head and neck cancer will be discussed as well as arguments for surgical trials to advance immunotherapy.

Introduction -

Ezra E.W. Cohen, MD

Therapeutic Targeting of Salivary Gland

Cancer Stem Cells -

Jacques Nor, DDS, MS, PhD

Targeted Nanoparticles for Drug Delivery

In Cancer Therapy and Imaging -

Kwang Jae Cho, MD, PhD

Updates on EGFR-Targeted Therapies in

Head and Neck Cancer -

Christine Chung, MD

Immunodynamic Surgical Trials:

Voyage of Discovery -

Rom Leidner, MD

Targeting the PI3K-Mtor Network in HNSCC-

A Bridge from Bench to Clinic -

J Silvio Gutkind, PhD

At the conclusion of this session, participants will be able to:

- Update the attendees on the therapeutic potential of targeting salivary gland cancer stem cells
- Determine the role of EGFR-targeted therapies and recognize the importance of developing biomarkers to predict treatment outcomes in current management of recurrent/metastatic head and neck cancer
- Outline an approach to immunotherapy pre-clinical dilemma with associated research assays.

- Introduce multiplex nanoparticles, which are capable of detecting malignant cells (active targeting moiety), visualizing their location in the body (in vivo imaging), and killing the cancer cells with minimal side effects by sparing normal cells (active targeting and controlled drug release or photothermal/photodynamic ablation).
- Introduce the strategy to develop new oral delivery system for anticancer drugs

Panel: Concurrent Chemoradiotherapy: Controversies 4C-3**Moderators: Quynh-Thu Le, MD & Lisa Licitra, MD****Conventional, Accelerated, Hyperfractionated or Modulated? - Farzan Siddiqui, MD, PhD****Which Platin, How Much and How Often? - Lisa Licitra, MD****Is There a Role for Cetuximab/RT for HPV+ - David I. Rosenthal, MD****Taking a Step Back and Looking at the Whole Patient:****How to Integrate Toxicities and Comorbidities****into the Conversation - Shrujal Baxi, MD**

Proffered Papers: Potpourri 4C-4**Moderators: Alexandra E. Kejner, MD; Rahul Seth, MD; & Paul van der Sloot, MD****S208 A NEW TUNNELIZED FACIAL ARTERY MUSCULOMUCOSAL ISLAND PERFORATOR FLAP FOR ONE-STAGE ORAL RECONSTRUCTION**Chung-Hwan Baek, Seongjun Won, Bo Young Kim, Byung Kil Kim; Sungkyunkwan University School of Medicine, Samsung Medical Center**S210 3D VIRTUAL SURGICAL PLANNING VERSUS CONVENTIONAL FIBULAR FREE FLAP RECONSTRUCTION OF MANDIBULAR AND MAXILLARY DEFECTS**Richard C Park, MD, Sei Y Chung, BS, Rami Abdou, MD, Jacob Brady, BA, Soly Baredes, MD; Rutgers New Jersey Medical School**S211 REVIEW: ROUTINE USE OF SALIVARY BYPASS TUBES DURING LARYNGECTOMY.**Yasmine Kamhieh, MBBS, MRCSENT, Hannah Fox, MBBS, MRCS, DOHNS, Emma Hallett, MBBS, MRCSENT, Sandeep Berry, MBBS, FRCS, , ORLHNS; Royal Glamorgan Hospital**S212 ENDOSCOPIC THYROIDECTOMY FOR T1 PAPILLARY THYROID CARCINOMA VIA A GASLESS ANTERIOR CHEST APPROACH**Xiaoming Huang, MD, Faya Liang, MM, Ping Han, MD, Qian Cai, MD, Shitong Yu, Renhui Chen; Sun Yat-sen Memorial Hospital, Sun Yat-sen University**S213 IMMEDIATE AND FOLLOW UP RESULTS OF RECURRENT LARYNGEAL NERVE AND SPINAL ACCESSORY NERVE ANATOMIC SAFETY DISSECTIONS WITH INTRAOPERATIVE NERVE INTEGRITY MONITORING**Igor Karpatskii, PhD, Filipp Romanchishen, PhD, Kristina Vabalayte, Anatoly Romanchishen; St.Petersburg Pediatric Medical University**S214 POST-TRANSLATIONAL SODIUM-IODIDE SYMPORTER MODULATION SENSITIZES DIFFERENTIATED THYROID CANCERS TO RADIOACTIVE IODINE**Amit Moran, Shorook Na'ara, Tomer Charas, Ziv Gil; Rambam health care campus

S215 VIRTUAL CUTTING GUIDES: 3D PLANNED AND NAVIGATED FIBULAR OSTEOTOMIES IN MICROVASCULAR MANDIBLE RECONSTRUCTION

Jonathan M Bernstein, MD, ChB, Harley Chan, PhD, Michael J Daly, MSc, Nidal Muhanna, MD, PhD, Jimmy Qiu, MASc, Douglas B Chepeha, MD, MSPH, Ralph W Gilbert, MD, Jonathan C Irish, MD, MSc; Department of Otolaryngology - Head & Neck Surgery/Surgical Oncology, Princess Margaret Cancer Centre and Guided Therapeutics (GTx) Program, University of Toronto, Toronto, Ontario, Canada

S216 EPIGENETIC REGULATION OF EPITHELIAL TO MESENCHYMAL TRANSITION IN ORAL LEUKOPLAKIA BY EXOSOMAL-MIR-185

Xiaobing Guan, MD, PROF¹, Li Chen, PhD², Yuanyuan Wang¹, Jiaqi Wang¹, Fengguang Wang¹, Jie Zhang¹, Randi Xing¹; ¹Beijing Stomatological Hospital, Capital Medical University, ²Center for Clinical and Translational Research, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio, USA

**Proffered Papers:
Management of the Neck**

Tahoma 1

**Moderators: William R. Carroll, MD;
N. Gopalakrishna Iyer, MD, PhD; &
Donald T. Weed, MD**

S172 NECESSITY OF NECK DISSECTIONS DURING SALVAGE LARYNGECTOMY WITHOUT CLINICALLY EVIDENT DISEASE

Russel Kahmke, Erin J Partington, Thomas K Chung, William R Carroll, Benjamin J Greene; University of Alabama at Birmingham

S173 ELECTIVE NECK DISSECTION DURING SALVAGE LARYNGECTOMY

Simone Bernard, MD, Marjan van den Brink-Wieringa, PhD, Cees Meeuwis, MD, PhD, Robert Jan Baatenburg de Jong, MD, PhD, Aniel Sewnaik, MD, PhD; Erasmus MC

S174 MANAGEMENT OF NECK RECURRENCE IN THE CLINICALLY NEGATIVE NECK IN ORAL CANCER

Aviram Mizrahi, MD, Jocelyn Migliacci, MA, Snehal G Patel, MD, Ian Ganly, MD, PhD; Memorial Sloan-Kettering Cancer Center

S175 THE HYBRID TRACER INDOCYANINE GREEN-99mTc-NANOCOLLOID FOR COMBINED RADIO- AND FLUORESCENCE GUIDED SENTINEL NODE BIOPSY IN PATIENTS WITH HEAD-AND-NECK MALIGNANCIES: OUR EXPERIENCES IN 183 PATIENTS

Nynke S van den Berg¹, Gijs H KleinJan¹, Baris Karakullukcu², W Martin C Klop², Renato A Valdés-Olmos², Alfons J Balm², Fijis W van Leeuwen¹; ¹Leiden University Medical Center, Leiden, the Netherlands, ²The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, the Netherlands

S176 RECOMMENDED LYMPH NODE YIELD AS A QUALITY METRIC IN ORAL CAVITY CANCERS

Phoebe Kuo², Julie A Sosa, MD¹, Sanziana A Roman, MD¹, Saral Mehra, MD, MBA², Zain A Husain, MD², Barbara A Burtness, MD², Wendell G Yarbrough, MD, MMHC, FACS², Benjamin L Judson, MD²; ¹Duke School of Medicine, ²Yale School of Medicine

S177 CONCURRENT TRANSORAL ROBOTIC SURGERY (TORS) WITH NECK DISSECTION MAY OFFER LENGTH OF STAY BENEFIT IN THE TREATMENT OF HEAD AND NECK CANCER

Catherine H Frenkel, MD, Elliot Regenbogen, MD, Dana A Telem, Jie Yang, PhD, Mengru Zhang, Ghassan J Samara, MD; Stony Brook Medicine

S178 THE CLINICAL SIGNIFICANCE OF LINGUAL LYMPH NODES IN ORAL TONGUE AND FLOOR OF MOUTH SQUAMOUS CELL CARCINOMA

Jung-Hae Cho, Sang-Yeon Kim, Young-Hoon Joo, MD, PhD, Kwang-Jae Cho, MD, PhD, Min-Sik Kim; The Catholic university of Korea

S179 COMPARISONS OF ONCOLOGIC OUTCOME AFTER NECK DISSECTIONS WITH DISTINCT DIFFERENCE IN C-NO ORAL CAVITY CANCER: TRANSCERVICAL NECK DISSECTION VS RETROAURICULAR NECK DISSECTION

Ji Hoon Kim, MD¹, Da Hee Kim, MD¹, Jung Min Kim, MD¹, Won Shik Kim, MD¹, Hyung Kwon Byeon, MD, PhD¹, Jae Wook Kim, MD², Jae Hong Park, MD², Myung Jin Ban, MD², Hyun Jun Hong, MD, PhD³, Yoon Woo Koh, MD, PhD¹, Eun Chang Choi, MD, PhD¹; ¹Yonsei University College of Medicine, ²Soonchunhyang University College of Medicine, ³Catholic Kwandong University College of Medicine

S180 PROGNOSTIC IMPACT OF LYMPH NODE MICROMETASTASIS IN ORAL AND OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS

Yong Sug Choi, MD, Jung-Hae Cho, MD, PhD, Youn-Soo Lee, MD, PhD, Dong-Il Sun, MD, PhD, Min-Sik Kim, MD, PhD, Kwang-Jae Cho, Young-Hoon Joo, MD, PhD; The Catholic university of Korea

Proffered Papers: Education

Tahoma 2

Moderators: Melonie A. Nance, MD; Richard V. Smith, MD; & Marita S. Teng, MD

S181 THE IMPACT OF A SEMIANNUAL HEAD AND NECK SURGICAL CAMP AT THE UGANDA CANCER INSTITUTE IN KAMPALA, UGANDA.

Kate Clancy, BA¹, Madeleine Strohl, BA¹, Camille Huwyler, BS¹, Jamilah Nabukenya, MD², Mubarak Mohamed Dahir, MD², Rachel Beygira, MD², Jeff Otiti, MD², James L Netterville, MD³, Katrina Harrill, RN, BSN⁴, Chad A Zender, MD⁴; ¹Case Western School of Medicine, ²Uganda Cancer Institute, ³Vanderbilt University Medical Center, ⁴University Hospitals Case Medical Center

S182 MANAGEMENT OF CONFLICTS OF INTEREST AT AHNS MEETINGS; TRENDS FROM 2011-2015

Marilene B Wang, MD¹, Erin Schwarz, BA², Susan D McCammon, MD³, Paul L Friedlander, MD⁴; ¹University of California, Los Angeles, ²AHNS, ³University of Texas Medical Branch-Galveston, ⁴Tulane University

S183 SLOW AND STEADY: UNDERSTANDING THE IMPACT OF TRAINEE PARTICIPATION ON OPERATIVE TIME AND OUTCOMES IN TOTAL THYROIDECTOMY

Jonathan Yoon, MD¹, Jonathan Blecha, MD¹, Harlan Sayles, MS², Katherine Rieke, MPH, MA², Robert H Lindau, MD¹, Aru Panwar, MD¹; ¹Division of head and neck surgery, University of Nebraska Medical Center, Omaha, Nebraska, ²College of Public Health, University of Nebraska Medical Center, Omaha, Nebraska

S184 COMPETENCE-BASED CERTIFICATION IN SURGEON-PERFORMED HEAD AND NECK ULTRASONOGRAPHY

Tobias Todsen¹, Jacob Melchior, MD¹, Birgitte Charabi, MD¹, Lars Konge², Christian von Buchwald, DMSc¹; ¹Department of Otorhinolaryngology, Head and Neck Surgery and Audiology, Rigshospitalet, University Hospital of Copenhagen, Denmark, ²Copenhagen Academy for Medical Education and Simulation

S185 INITIAL VALIDATION OF RESIDENT TRAINING CURRICULUM FOR TRANSORAL ROBOTIC SURGERY (TORS)

Sophie Shay, MD, Marilene B Wang, MD, Abie H Mendelsohn, MD; Department of Head and Neck Surgery, University of California Los Angeles, David Geffen School of Medicine

S186 HPV RELATED HEAD AND NECK CANCER IN A SAFETY NET HOSPITAL: IMPLICATIONS FOR EDUCATION AND PREVENTION STRATEGIES IN THE UNDERSERVED

Jason F Ohlstein, MS, Thomas S Edwards, BS, Charles A Riley, MD, Paul L Friedlander, MD, FACS; Tulane University School of Medicine

S187 THE EFFECT OF RESIDENT DUTY HOUR RESTRICTIONS ON PROCEDURE-SPECIFIC OUTCOMES IN HEAD & NECK ENDOCRINE SURGERY

Aaron M Smith, MD, Wan Jim, PhD, Wang Lei, MS, Merry E Sebelik, MD; University of Tennessee Health Science Center

S188 FREE FLAP MONITORING IN THE ERA OF RESTRICTED RESIDENT WORK HOURS: ANALYSIS OF OUTCOMES

Urjeet A Patel¹, Lisa Shnayder, MD², Matthew M Hanasono, MD³, Joshua D Hornig, MD⁴, Mark K Wax, MD⁵, Tamer A Ghanem, MD⁶, Jeremy D Richmon, MD⁷; ¹Northwestern University, ²Kansas University School of Medicine, ³The University of Texas MD Anderson Cancer Center, ⁴Medical University of South Carolina, ⁵Oregon Health and Sciences University, ⁶Henry Ford Medical Group, ⁷Johns Hopkins University

S189 FLAP MONITORING IN THE ERA OF RESIDENT WORK-HOUR RESTRICTIONS: IS THERE AN ALTERNATIVE?

Robert M Brody, MD, Jason G Newman, MD, Ara A Chalian, MD, Christopher H Rassekh, MD, Gregory S Weinstein, MD, Bert W O'Malley Jr., MD, Steven B Cannady, MD; University of Pennsylvania Health System

Proffered Papers: Oral Cavity

Tahoma 3

Moderators: Miriam Lango, MD; Antti Makitie, MD, PhD; & Jean-Yves Sichel, MD

S190 RISING INCIDENCE OF ORAL TONGUE CANCER IN YOUNG WHITE MEN AND WOMEN IN THE UNITED STATES, 1973-2012

Joseph E Tota, PhD¹, William F Anderson, MD¹, Charles Coffey, MD², Joseph Califano, MD², Wendy Cozen, DO³, Robert L Ferris, MD, PhD⁴, Maie St. John, MD, PhD⁵, Ezra E W Cohen, MD², Anil K Chaturvedi, PhD¹; ¹National Cancer Institute, Division of Cancer Epidemiology and Genetics, ²UC San Diego, Moores Cancer Center, ³University of Southern California, Department of Preventive Medicine, ⁴University of Pittsburgh, Department of Otolaryngology, ⁵UCLA, Department of Head and Neck Surgery

S191 SQUAMOUS CELL CARCINOMA OF THE LIP: A POPULATION BASED ANALYSIS

Jon Mallen-St. Clair, MD, PhD, Edward Kuan, MD, MBA, Jose Alonso, MS, Armin Arshi, MS, Maie St. John, MD, PhD; University of California, Los Angeles

S192 COMPARTMENTAL SURGERY FOR ORAL TONGUE/FLOOR OF MOUTH CANCER: ONCOLOGIC AND FUNCTIONAL OUTCOMES

Alberto Grammatica¹, Cesare Piazza¹, Nausica Montalto¹, Del Bon Francesca¹, Alberto Paderno¹, Valentina Taglietti¹, Barbara Frittoli², Piero Nicolai¹; ¹Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy, ²Department of Radiology, University of Brescia, Brescia, Italy

S193 EVALUATION OF LYMPH NODE DENSITY AND NUMBER OF NODES POSITIVE IN TREATMENT OUTCOME OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Bryant Hong, MSc, Nader Sadeghi, MD, Richard Amdur, PhD; George Washington University

S194 ELECTIVE NECK DISSECTION FOR INITIAL SCC OF TONGUE AND FLOOR OF THE MOUTH

Jacob Kligerman, José R Soares, Emilson Q Freitas, Uilyanov T Mendonça, Izabella C Santos, Maria M Geraldo, MS, Juliana F Oliveira, MD, Paulo J Siebra, Roberto A Lima; Brazilian National Cancer Institute

S195 OUTCOMES IN ASSOCIATION WITH FROZEN MARGIN STATUS IN ORAL SQUAMOUS CELL CARCINOMA

Keith Basler, MD¹, Paloma Irizarry¹, Matthew Mifsud, MD², Kristen Otto, MD³, Tapan Padhya, MD¹, Jimmy Caudell, MD³; ¹University of South Florida, ²University of Toronto, ³H. Lee Moffitt Cancer Center & Research Institute

S196 PRIOR RADIOTHERAPY AND AGE STRONGLY PREDICT SURVIVAL AFTER SALVAGE SURGERY FOR RECURRENT ORAL CAVITY SQUAMOUS CELL CARCINOMA - A RECURSIVE PARTITIONING ANALYSIS

Samantha Tam, MD¹, Rakhna Araslanova, MD¹, Hubert Low, MBBS, FRACS², Andrew Warner, MSc¹, John Yoo, MD, FRCSC, FACS¹, Kevin Fung, MD, FRCSC, FACS¹, S. Danielle MacNeil, MD, MSc, FRCSC¹, David A Palma, PhD, MD, FRCPC¹, Anthony C Nichols, MD, FRCSC, FACS¹; ¹Western University, ²Chris O'Brien Lifehouse

S197 ENDOSCOPIC AND ROBOTIC SELECTIVE NECK DISSECTION FOR ORAL CANCER VIA RETROAURICULAR APPROACH

Renan B Lira, MD, Thiago C Chulam, MD, PhD, Genival B Carvalho, MD, Willem H Schreuder, MD, DDS, Luiz P Kowalski, MD, PhD; AC Camargo Cancer Center

S198 RISK FACTORS FOR SALVAGE SURGERY FAILURE AND MORTALITY IN PATIENTS WITH ORAL CAVITY SQUAMOUS CELL CARCINOMA

Danielli Matsuura, MD¹, Tiago D Valim, MD¹, Marco Aurelio V Kulcsar, PhD², Fábio R Pinto², Lenine G Brandão, PhD², Claudio R Cernea, PhD¹, Leandro L Matos, PhD²; ¹University of São Paulo Medical School, ²Instituto do Câncer do Estado de São Paulo - ICESP

Proffered Papers: Salivary Gland

Tahoma 4

Moderators: M. Boyd Gillespie, MD, MS; Rod Rezaee, MD; & Giovana R. Thomas, MD

S199 THE ROLE OF MYB-NFIB FUSIONS IN MAINTENANCE OF CANCER STEM CELLS IN SALIVARY ADENOID CYSTIC CARCINOMA

Sergey V Ivanov, Yi Zhang, PhD, Alex Panaccione, Yanfang Mi, MD, Wendell G Yarbrough, MD, MMHC, FACS; Yale School of Medicine

S200 CONTRIBUTIONS OF VIMENTIN AND NON-MUSCLE MYOSIN IIA IN NEDD9 INVASIVE SIGNALING

Martina Semeláková, PhD, Stéphane Grauzam, B T Prabhakar, PhD, Bailey Pierson, Jessica A Tiedeken, Sonya Coaxum, PhD, David M Neskey, MD, Steven A Rosenzweig, PhD; Medical University of South Carolina

S201 INTEGRATED PATHWAY ANALYSES OF ALTERED DRIVER GENES IN ADENOID CYSTIC CARCINOMA

Brandon Leonard, PhD¹, Shizhang Ling, PhD², Luigi Marchionni, MD, PhD², Elana J Fertig, PhD², Michael Considine, MS², Patrick Ha, MD¹; ¹University of California - San Francisco, ²Johns Hopkins

S202 ESTABLISHING A MURINE MODEL FOR VIRAL TRANSFECTION OF MAJOR SALIVARY GLAND TISSUE

Matthew Michalowicz, MD, Joseph Goodman, MD, Todd Ponzio, PhD, Elena Morris, Brian Reinhardt, MS, MLS, ASCP, Yaling Zhou, PhD; Walter Reed National Military Medical Center

S203 A SYSTEMATIC REVIEW AND META-ANALYSIS OF THE ROLE OF ADJUVANT RADIOTHERAPY IN THE MANAGEMENT OF RECURRENT PLEOMORPHIC ADENOMAS OF THE PAROTID

Paul Lennon¹, Ailbhe White-Gibson¹, Sinead Brennan¹, John Kinsella¹, Conrad I Timon¹, James Paul O'Neill²; ¹St. James's Hospital, Dublin, ²Royal College of Surgeons, Ireland

S204 THE IMPACT OF ADJUVANT RADIATION ON SURVIVAL IN ADENOID CYSTIC CARCINOMA OF THE MAJOR SALIVARY GLANDS

Alexandra Kyrillos, Chi-Hsiung Wang, PhD, Mihir Bhayani, MD; NorthShore University HealthSystem

S205 PREVALENCE AND PREDICTORS OF LYMPH NODE METASTASIS IN PAROTID MALIGNANCIES

Apurva Garg, Pankaj Chaturvedi, Swagnik Chakrabarti, Deepa Nair, Sudhir Nair, Prathamesh Pai, Devendra Chaukar, Gauri Pantvaideya, Anuja Deshmukh, Anil D'Cruz; Tata Memorial Hospital

S206 VALIDATION OF NOMOGRAMS FOR OVERALL SURVIVAL, CANCER-SPECIFIC SURVIVAL AND RECURRENCE IN CARCINOMA OF THE MAJOR SALIVARY GLANDS

Ashley Hay, MD¹, Jocelyn Migliacci, MA¹, Daniella Karassawa Zaroni, MD¹, Snehal G Patel, MD¹, Changhong Yu, MS², Mike Kattan, PhD², Ian Ganly, MD, PhD²; ¹Memorial Sloan Kettering Cancer Center, ²Cleveland Clinic

S207 TRASTUZUMAB AND DOCETAXEL FOR HER2-POSITIVE UNRESECTABLE SALIVARY GLAND CARCINOMA: UPDATED RESULTS OF A PHASE II TRIAL

Hideaki Takahashi, MD, PhD¹, Tatsuo Masubuchi¹, Chihiro Fushimi¹, Takashi Matsuki¹, Toru Inomata¹, Takuro Okada¹, Chihiro Kanno¹, Yoshiyuki Osamura², Toshitaka Nagao³, Takashi Saotome⁴, Shuhei Yamada⁵, Hiroya Ojiri⁶, Daisuke Sano⁷, Nobuhiko Oridate⁷, Jeffrey N Myers⁸, Kouki Miura¹, Yuichiro Tada¹; ¹Department of Head and Neck Oncology and Surgery, International University of Health and Welfare Mita Hospital, ²Diagnostic Pathology Center, International University of Health and Welfare Mita Hospital, ³Department of Surgical Pathology, Tokyo Medical University, ⁴Division of Medical Oncology, Matsudo City Hospital, ⁵Department of Pharmacoepidemiology, Graduate School of Medicine and Public Health, Kyoto University, ⁶Department of Radiology, The Jikei University School of Medicine, ⁷Department of Otorhinolaryngology, Head and Neck Surgery, Yokohama City University School of Medicine, ⁸Department of Head and Neck Surgery, The University of Texas M. D. Anderson Cancer Center

3:15 pm - 3:45 pm **Break in Exhibit Hall** 4E

3:45 pm - 5:15 pm **PANELS OR PROFFERED PAPERS**

Panel: Management of Advanced Oropharyngeal Cancer in the Era of HPV and TORS 4F

Moderators: Christian H. Simon, MD & Robert L. Ferris, MD, PhD

The session will use a case management format to discuss indications for various treatments for advanced stage oropharyngeal cancers. Panelists will present “the best suitable patient” for typical treatment modalities, i.e. TORS, TLM, open surgery, CRT/RT, Chemotherapy/ Immunotherapy in the Era of HPV followed by a discussion of the panel.

Introduction - Robert L. Ferris, MD, PhD

Best Suitable Advanced OPC Case For TLM - Does That Exist? - Michael L. Hinni, MD

Best Suitable Advanced OPC Case for RT/CRT - All of Them? - Harry Quon, MD

Best Suitable Advanced OPC Case for Open Surgery - Out-Dated? - Giuseppe Spriano, MD

The Role of Systemic Therapy in the DE Intensification Era - Nabil Saba, MD

Best Suitable Advanced OPC Case for TORS - Too Ambitious? - Christian H. Simon, MD

At the conclusion of the session, participants will be able to:

- Identify best suitable patients with advanced OPCs for specific treatments

- Select the optimal treatment for an advanced OPC patient
- Recognize pros and cons of various treatment options for advanced OPC patients

Proffered Papers:

4C-1-2

Oral Cavity and Oropharynx**Moderators: Amit Agrawal, MD & Chad Zender, MD****S217 THE USE OF 5% LUGOL'S IODINE SOLUTION IN DETECTION OF THE DYSPLASTIC AND MALIGNANT CHANGES OF THE ORAL EPITHELIUM**Omar Al khdhairi, PhD; Al kindy teaching hospital**S218 A NOVEL CHICKEN EGG-BASED PATIENT-DERIVED XENOGRAFT MODEL FOR HNSCC**Ravi R Pathak, PhD, MBA, Hsuan-Chen Liu, Jigneshkumar Patel, Lacey E Dobrolecki, Michael T Lewis, Andrew G Sikora; Baylor College of Medicine**S219 GLOSSOLARYNGECTOMY OUTCOMES: A 10-YEAR SOUTH WALES EXPERIENCE.**Hannah Fox, MBBS, BSc, Hons, MRCS, DOHNS¹, Yasmine Kamhieh, MBBS, MRCSent¹, Sarah Healy, MBCh, MRCS, DOHNS², Emma Hallett, MBBS, MRCSent¹, Cellan Thomas, MBBS, BDS, FRCSOMFS³, Sandeep Berry, MBBS, FRCS, , ORLHNS¹; ¹Royal Glamorgan Hospital, ²Singleton Hospital, Swansea, United Kingdom SA2 8QA, ³University Hospital Wales, Cardiff, United Kingdom CF14 4XW**S220 HEALTHCARE UTILIZATION IN HPV - RELATED CANCERS**Indu Varier, MD¹, Erin Chew, BS¹, David Ramsey, PhD², Andrew G Sikora, MD, PhD¹, Elizabeth Y Chiao, MD, MPH²; ¹Baylor College of Medicine, ²Michael E. DeBakey VA Medical Center, Baylor College of Medicine**S221 VALUE-BASED TREATMENT OF T1-2 OROPHARYNX CANCER: COST SAVINGS WITH FRONTLINE TRANSORAL ENDOSCOPIC HEAD AND NECK SURGERY COMPARED TO RADIATION THERAPY AND CHEMOTHERAPY**Floyd C Holsinger, Chief, Head, and, Neck, Surgery, Michelle Chen, A. Dimitrios Colevas, Professor, of, Medicine, Division, of, Oncol, Quynh Le, Chair, Department, of, Radiation, Oncology, Julie B Porter, Director, Cancer, Quality; Stanford University**S222 DECREASED GASTROSTOMY TUBE INCIDENCE AND WEIGHT LOSS AFTER TRANS-ORAL ROBOTIC SURGERY FOR EARLY OROPHARYNGEAL SQUAMOUS CELL CARCINOMA**Harold Heah¹, Kate Hutcheson, PhD¹, Ryan Goepfert, MD¹, Adam S Garden, MD¹, Clifton D Fuller, MD, PhD¹, Michael E Kupferman, MD¹, Christopher F Holsinger, MD², Gary B Gunn, MD¹, Jan S Lewin, PhD¹, Neil D Gross, MD¹; ¹UT MD Anderson Cancer Center, ²Stanford University Medical Center**S223 TRANS-ORAL ROBOTIC SURGERY AS A SINGLE MODALITY IN THE MANAGEMENT OF OROPHARYNGEAL CANCER**Zaahir Turfe, MD, Amy Williams, PhD, Tamer Ghanem, MD, PhD; Henry Ford Health System, Department of Otolaryngology**S224 PROGNOSTIC SIGNIFICANCE OF HPV SUBTYPE IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA**Angela L Mazul, PhD, MPH¹, Nidia Rodriguez-Ormaza, MD, MPH¹, Paul Brennan, PhD, MSc², Devasena Anantharaman, PhD, MSc², Behnous Abedi-Ardekani MD², D N Hayes, MD, MPH¹, Andrew F Olshan, PhD¹, Jose P Zavallos, MD, MPH¹; ¹University of North Carolina at Chapel Hill, ²International Agency for Research on Cancer**S225 PRELIMINARY STUDY COMPARING EFFECT OF SMOKING ON OUTCOMES OF SURGICAL AND NON-SURGICAL TREATED P16+ OROPHARYNGEAL CANCER**

Zaahir Turfe, MD¹, Amy Williams, PhD¹, Warren Swegal, MD¹, Francis Hall, MD¹, Steven Chang¹, Farzan Siddiqui, MD, PhD², Maria J Worsham, PhD¹, Tamer Ghanem, MD, PhD¹; ¹Henry Ford Health System, Department of Otolaryngology, ²Henry Ford Health System, Department of Radiation Oncology

Panel: Adjuvant Postoperative Therapy

4C-3

Moderator: Paul M. Harari, MD

This session will use didactic presentations to provide guidance regarding the use of adjuvant therapy for postoperative HN cancer patients. Selected case presentations will be incorporated for illustration.

Overall Indications for Adjuvant Treatment**Following HN Cancer Surgery -****David Raben, MD****Importance of Dose and Time Factors in****Postoperative Radiation -****David I. Rosenthal, MD****Adjuvant Therapy after Transoral Excision****for HPV+ Tumors -****Mererid Evans, MD, PhD****Benefit/Risk Considerations for Chemotherapy****in High Risk Post Op Cases -****Panayiotis Savvides, MD, PhD, MPH****Design and Results of Major Postoperative****HN Cancer Trials -****Paul M. Harari, MD**

At the conclusion of this session, participants will be able to:

- Select optimal adjuvant postoperative therapy approaches for various subsets of HN cancer patients
- Adjust clinical practice to reflect the specific adjuvant therapy approach for distinct patient cohorts.
- Interpret new clinical trials data to consider additional practice adjustments in the future.

Panel: Quality Improvement in Head and Neck Cancer Care

4C-4

Moderators: Amy Y. Chen, MD, MPH & Carl H. Snyderman, MD, MBA

This panel will review key components of a quality improvement program for the multidisciplinary management of head and neck cancer.

Introduction -**Amy Y. Chen, MD, MPH & Carl H. Snyderman, MD, MBA****Evaluation of Surgical Performance -****Randal S. Weber, MD****Establishing A Quality System in Surgery -****Jonathan Irish, MD****Quality in Radiation Oncology -****John Kim, MD****Screening: A New Direction for****Patient Reported Outcome Measures -****Barbara A. Murphy, MD**

At the conclusion of this session, participants will be able to:

- Recognize quality issues in the management of head and neck cancer.
- Learn how to establish a multidisciplinary quality improvement program.
- Incorporate value metrics into the decision making for patients with head and neck cancer.

Proffered Papers: Reconstruction II

Tahoma 1

Moderators: Dominique Chevalier, MD ; & Oleg Militsakh, MD

S226 A NEW TECHNIQUE FOR RECONSTRUCTION OF COMPOSITE MIDFACE DEFECTS: THE PEDICLED OSSEOMYOCUTANEOUS SUBMENTAL FLAP

Richard E Hayden, MD, Thomas H Nagel, MD, Carrlene Donald, PA; Mayo Clinic Arizona

S227 VIRTUAL SURGICAL PLANNING IN HEAD AND NECK TUMOR SURGERY: A 10-YEAR REVIEW

Felix Sim, MD, DDS¹, Tuan G Bui, MD, DMD, FACS¹, Allen Cheng, MD, DDS¹, Ashish Patel, MD, DDS¹, Samuel Bobek, MD, DMD², Yedeh Ying, MD, DMD¹, Eric J Dierks, MD, DMD³, R. Bryan Bell, MD, DDS, FACS¹; ¹Providence Oral, Head and Neck Cancer Program and Clinic, Providence Cancer Center, Portland, Oregon, ²Swedish Medical Center, Seattle WA, ³The Head and Neck Institute, Portland, Oregon

S228 RECONSTRUCTION OF ORAL CAVITY COMPOSITE DEFECTS USING THE SCAPULA TIP FREE FLAP AND CONCOMITANT MYOGENOUS-ONLY COMPONENT FOR INTRAORAL RE-MUCOSALIZATION: THE UNC EXPERIENCE

Andrew K Pappa, BS, Grace K Austin, MD, Andrew J Coniglio, MD, Jeremiah C Tracy, MD, Samip N Patel, MD; University of North Carolina at Chapel Hill

S229 INTRAOPERATIVE MEAN ARTERIAL BLOOD PRESSURE AND ITS IMPACT ON FLAP FAILURE DURING HEAD AND NECK FREE-TISSUE TRANSFER

Jason I Kass, MD, PhD¹, Samuel DeMaria, MD², Hung-Mo Lin, ScD², Anmol Gupta, MS², Marita Teng, MD², Eric M Genden, MD², Brett A Miles, MD, DDS²; ¹Boston University School of Medicine, ²Mount Sinai School of Medicine

S230 OUTCOMES OF MICROVASCULAR FREE TISSUE TRANSFER IN DOUBLY IRRADIATED PATIENTS IN THE ERA OF IMRT.

Kate Clancy, BA¹, Rod Rezaee, MD², Min Yao, MD, PhD², Michael Gibson, MD, PhD², Nicole Fowler, MD², Pierre Lavertu, MD², Chad A Zender²; ¹Case Western School of Medicine, ²University Hospitals Case Medical Center

S231 THE OSTEOCUTANEOUS SCAPULAR FREE FLAP AS A RELIABLE FIRST-CHOICE OPTION FOR COMPLEX MANDIBULAR RECONSTRUCTION

Robert G Keller, MD, Akash Naik, Eric Lentsch, MD, Terrence Day, MD, Judith Skoner, MD; MUSC

S232 THREE-DIMENSIONALLY PRINTED SCAFFOLDS WITH MESENCHYMAL STEM CELLS FOR THE RECONSTRUCTION OF RABBIT CRITICAL SIZE MANDIBULAR DEFECTS

Michael G Roskies, MD¹, Dongdong Fang, MD, MSc², Mohamed-Nur Abdallah, BDS, MSc³, Mohammed O Bakkar, BDS, MS, MSD², Andre M Charbonneau, BSc, MSc², Jack O Jordan², Alex Mlynarek, MD, FRCS¹, Michael P Hier, MD, FRCS¹, Faleh Tamimi, BDS, PhD³, Simon D Tran, DMD, PhD, FRCDC²; ¹McGill University, Department of Otolaryngology - Head & Neck Surgery, ²McGill University, Craniofacial Stem Cell and Tissue Engineering Laboratory, ³McGill University, Faculty of Dentistry

S233 3D MORPHOLOGIC COMPARISON OF AUTOLOGOUS SCAPULAR AND ILIAC CREST BONE GRAFTS IN ORBITAL FLOOR RECONSTRUCTION.

Joel C Davies, MD, MSc, Jonathan M Bernstein, MD, FRCS, Harley Chan, PhD, David P Goldstein, MD, MSc, FRCS, Jonathan C Irish, MD, MSc, FRCS, Ralph W Gilbert, MD, FRCS; Department of Otolaryngology - Head & Neck Surgery/Surgical Oncology, Princess Margaret Cancer Centre and Guided Therapeutics (GTx) Program, University of Toronto, Toronto, Ontario, Canada

S234 3D RECONSTRUCTION OF THE FACIAL NERVE-VASCULAR NETWORKS; TRANSPLANTATION OF SKELETAL MUSCLE-DERIVED MULTIPOTENT STEM CELL SHEET PELLETS

Kosuke Saito, MD¹, Tetsuro Tamaki², Koji Ebisumoto, MD¹, Masahiro Iida, MD¹, Kenji Okami¹; ¹Department of Otolaryngology, Tokai University School of Medicine, ²Muscle Physiology & Cell Biology Unit, Department of Regenerative Medicine, Division of Basic Clinical Science, Tokai University School of Medicine

Proffered Papers: Cancer Biology II

Tahoma 2

Moderators: Zhuo (Georgia) Chen, PhD; Brett A. Miles, MD; & Seiichi Yoshimoto, MD

S235 HUMAN BETA-DEFENSINS AS A NOVEL BIOMARKER FOR ORAL SQUAMOUS CELL CARCINOMA

Santosh Ghosh¹, Chad Zender², Aaron Weinberg¹, Ge Jin¹; ¹Case Western Reserve University, ²Universtiy Hospitals Case Medical Center, Case Western Reserve University School of Medicine

S236 THE INFLUENCE OF RAB7 PROTEIN IN THE BIOLOGICAL BEHAVIOR OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Fernanda S Giudice, PhD, Bruna R Rodrigues, Tonielli Cristina S Lacerda, Antuani Rafael Baptistella, Marcos Vinicios S Dias, Luiz Paulo Kowalski, Vilma R Martins; A.C. Camargo Cancer Center

S237 DUAL TARGETING OF APOPTOSIS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Thomas J Ow, MD¹, Carlos Thomas¹, Pilib O'broin, PhD², Richard V Smith, MD¹, Nicolas P Schlecht, PhD¹, Michael B Prystowsky, MD, PhD¹, Catherine Sarta, RN¹, Felix Kopp, PhD¹, Gregory Rosenblatt, PhD¹, Madhur K Garg, MD¹, Thomas J Belbin, PhD¹, Chandan Guha, MB, BS, PhD¹, Eviropidis Gavathiotis, PhD¹; ¹Montefiore Medical Center/Albert Einstein College of Medicine, ²National University of Ireland Galway

S238 CORRELATION OF MAML2 FUSION STATUS, GRADE AND OUTCOME IN MUCOEPIDERMOID CARCINOMA

Andrew C Birkeland, MD, Susan K Foltin, Megan Yanik, Rebecca C Hoesli, MD, Andrew J Rosko, MD, Jonathan B McHugh, MD, Thomas E Carey, PhD, Carol R Bradford, MD, Matthew E Spector, MD, J Chad Brenner, PhD; University of Michigan

S239 ANALYSIS OF NOTCH PATHWAY IN SALIVARY MUCOEPIDERMOID CARCINOMAS BY WHOLE EXOME SEQUENCING

Ana Flavia Costa, DDS, PhD¹, Bruna Barros, PhD², Maria Amorim, PhD¹, Renan Valieris, BCompSc³, Israel Tojal Silva, PhD³, Diana Nunes, PhD¹, Luiz Paulo Kowalski, MD, PhD⁴, Emmanuel Dias-Neto, PhD¹; ¹Medical Genomics Group - A.C. Camargo Cancer Center, ²Genomics and Molecular Biology Laboratory - A.C. Camargo Cancer Center, ³Laboratory of Bioinformatics - AC Camargo Cancer Center, ⁴Department of Head and Neck and Otorhinolaryngology Surgery - AC Camargo Cancer Center

S240 IDENTIFICATION OF MICRORNAs AS PROGNOSTIC MARKERS IN HEAD AND NECK CANCER: A SYSTEMATIC REVIEW AND META-ANALYSIS INTEGRATED WITH A NETWORK APPROACH

Josh Lubov¹, Mariana Maschietto², Michael Hier¹, Sabrina Daniela Silva Wurzbach¹; ¹McGill, ²Nacional Laboratory of Biosciences (LNBio), Brazilian Center for Research in Energy and Materials (CNPEM)

S241 WNT INHIBITORY FACTOR 1 IS SILENCED BY PROMOTER HYPERMETHYLATION IN HEAD AND NECK CANCER

Ilangovan Ramachandran, PhD, Ryan Raju, MD, Lacy Brame, MS, Vengatesh Ganapathy, PhD, Eva Brabcova, BS, Matt Naifeh, BS, Jeremiah Reasoner, BS, Greg A Kreml, MD, Jesus Medina, MD, Liu Z Cheng, MD, Lurdes Queimado, MD, PhD; The University of Oklahoma Health Sciences Center, Oklahoma City, OK 73104, USA

Saturday, July 16, 2016

Sunday, July 17, 2016

Monday, July 18, 2016

Tuesday, July 19, 2016

Wednesday, July 20, 2016

S242 TUMOR-ASSOCIATED FIBROBLASTS FACILITATE HEAD AND NECK CANCER GLYCOLYSIS AND GROWTH

Dhruv Kumar, Jacob New, Wade Gutierrez, Hemant Chavan, Yelizaveta Shnayder, Terance Tsue, Kiran Kakarala, Douglas Girod, Partha Kasturi, Sufi Thomas; University of Kansas Medical Center

S243 DELIVERY OF WILD-TYPE P53 INTO MUTANT P53 ORAL CANCER CELLS VIA A NANOPARTICLE COMPLEX DELIVERY SYSTEM ENHANCES IMMUNOGENICITY AND RESPONSE TO CHEMORADIOTHERAPY

Ellen Moore¹, Harrison Cash¹, Carter Van Waes¹, Esther Chang², Anthony Saleh¹, Clint Allen¹; ¹National Institutes of Health, ²Georgetown University School of Medicine

**Proffered Papers:
Cancer Screening/Detection**

Tahoma 3

Moderators: Elizabeth A. Blair, MD; Jay O. Boyle, MD; & Chih-Yen Chien, MD

S244 EARLY DETECTION OF HEAD AND NECK CANCERS USING A SALIVARY DNA METHYLATION PANEL

Christopher F Perry, MD¹, Chamindie Punyadeera, PhD²; ¹University of Queensland, ²Queensland University of Technology Institute of Health and Biomedical Innovation

S245 A FRAMEWORK FOR MEDICAL STUDENT LEADERSHIP IN ORGANIZING ORAL, HEAD AND NECK CANCER SCREENING EVENTS

Monika E Freiser, MD, MPH¹, Dipan D Desai², Erin R Cohen², Mikhaylo Szczupak, MD², Chetan S Nayak, MD², Penelope S Fisher, MS, RN, CORLN², Zoukaa B Sargi, MD, MPH²; ¹University of Pittsburgh Medical Center, ²University of Miami Miller School of Medicine

S246 CIRCULATING TUMOUR CELLS IN HEAD AND NECK CANCER

Christopher F Perry, MD¹, Chamindie Punyadeera, PhD²; ¹University of Queensland, ²Institution of Health and Biomedical Innovation, Queensland University of Technology

S247 DEVELOPMENT OF A NOVEL, DROPLET DIGITAL PCR-BASED MOLECULAR TEST FOR RISK OF ORAL CANCER PROGRESSION

Curtis Hughesman, PhD¹, David Lu, BS, Hon¹, Benedikt Brink, PhD², Kelly Liu, MSc¹, Zhu Yu Qi, MD², Ryan Brinkman, PhD³, Charles Haynes, PhD¹, Catherine F Poh, DDS, PhD, FRCDC²; ¹University of British Columbia, ²British Columbia Cancer Research Centre, ³Terry Fox Research Institute

S248 SURGICAL RATES AND EXTENT OF THYROID SURGERY IN AFIRMA GEC BENIGN PATIENTS ARE SIMILAR TO MATCHED CYTOPATHOLOGY BENIGN PATIENTS IN A NATIONAL MANAGED CARE POPULATION

Jay Visaria, PhD, MPH², Richard T Kloos, MD¹, John W Hanna¹, Neil M Barth, MD¹, Tao Gu, PhD²; ¹Veracyte, Inc., ²HealthCore, Inc.

S249 MICRORNA-21 IN LARYNGEAL SQUAMOUS CELL CARCINOMA: DIAGNOSTIC AND PROGNOSTIC FEATURES

Bulent E Erkul, MD¹, Ismail Yilmaz, MD², Atilla Gungor, MD², Onuralp Kurt, MD², Mustafa Babayigit, MD³; ¹Medical University of South Carolina, ²Gulhane Military Medical Academy Haydarpasa Training Hospital Istanbul, Turkey, ³Gulhane Military Medical Academy, Ankara, Turkey

S250 COMPUTED TOMOGRAPHY FOR PREDICTION OF EXTRACAPSULAR SPREAD IN ORAL AND OROPHARYNGEAL SQUAMOUS CELL CARCINOMA, A COMPARATIVE ANALYSIS.

Juliana Bonilla-Velez, MD, Mariah Small, Rudy L Van Hemert Jr, MD, Ryan T Fitzgerald, MD, Mauricio Moreno, MD; University of Arkansas for Medical Sciences

S251 MRI ASSESSMENT OF EXTRACAPSULAR SPREAD IN PATIENTS WITH OROPHARYNGEAL CARCINOMA

Ameet K Grewal, MD, Mrudula Penta, MD, Olivier Gevaert, PhD, Nancy Fischbein, MD, F C Holsinger, MD; Stanford

S252 IDENTIFICATION OF CIRCULATING TUMOR CELLS AND ITS CLINICAL RELEVANCE IN PATIENTS WITH SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK

Kazuaki Chikamatsu, MD, Hideyuki Takahashi, MD, Koichi Sakakura, MD, Masato Shino, MD, Shota Ida, MD, Ikko Mito, MD, Minoru Toyoda, MD; Dept of OTO-HNS, Gunma Univ Graduate School of Med

Proffered Papers: Potpourri II

Tahoma 4

**Moderators: Joseph Blake Golden, MD;
Mark W. El-Deiry, MD & David Myssiorek, MD**

S253 NECK DISSECTION FOR CERVICAL LYMPH NODE METASTASES FROM PRIMARIES NOT IN THE HEAD AND NECK

Hiroyuki Harada, Shogo Shinohara, Atsushi Suehiro, Keizo Fujiwara, Ippei Kishimoto, Fumihiko Kuwata, Kazuki Hayashi, Ryosuke Yamamoto, Yasushi Naito; Kobe City Medical Center General Hospital

S254 PHOTOIMMUNOTHERAPY FOR THE TREATMENT OF RESIDUAL DISEASE AFTER INCOMPLETE RESECTION OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Lindsay S Moore, MD¹, Esther de Boer, BS¹, Matthew D Tucker, BS¹, William R Carroll, MD¹, Jason M Warram, PhD¹, Eben L Rosenthal, MD²; ¹The University of Alabama at Birmingham, ²Stanford University

S255 HEAD AND NECK SARCOMA. CASE SERIES PRESENTATION FROM A SOUTH AMERICAN INSTITUTION

Alejandro Yanzon, MD, Pedro I Picco, MD, Juan J Larrañaga, MD, Eduardo Mazzaro, MD, Marcelo Figari, MD, FACS; Hospital Italiano de Buenos Aires

S256 THE MUTATIONAL LANDSCAPE OF ANAPLASTIC THYROID CANCER

Anthony C Nichols, MD¹, Stephen Y Lai, MD, PhD², Stephenie Prokopec, PhD³, Nicole C Pinto, MSc¹, Michelle Chan-Seng-Yue, PhD³, William C Faquin⁴, Morgan Black, MSc¹, John Yoo, MD¹, Christopher Howlett, MD, PhD¹, Kevin Fung¹, Danielle MacNeil, MD, MSc¹, James Koropatnick, PhD¹, Alessandro Datti, PhD⁵, Frederick Vizeocoumar, PhD⁵, Krupal Patel, MD, MSc¹, Cathie Garnis, PhD⁶, Ken Berean, MD⁶, Joe S Mymryk, PhD¹, James W Rocco, MD, PhD⁷, David A Palma, MD, PhD¹, John W Barrett, PhD¹, David A Wheeler, PhD⁸, Gary L Clayman, MD², Paul C Boutros, PhD³; ¹Western University, ²MD Anderson Cancer Center, ³Ontario Institute for Cancer Research, ⁴Harvard Medical School, ⁵Samuel Lunenfeld Research Institute, ⁶BC Cancer Agency, ⁷Ohio State University, ⁸Baylor College of Medicine

S257 FACIAL NERVE SCHWANNOMA LOCATION IS PREDICTIVE OF FACIAL FUNCTION

Robert Gaudin¹, Aaron K Remenschneider, MD², Elliott D Kozin, MD², Kim Noij², Max Heiland, MD³, Ralf Smeets, MD³, Michael J McKenna, MD², Tessa A Hadlock, MD²; ¹Massachusetts Eye and Ear Infirmary, Harvard Medical School - Boston, MA & University Medical Center - Hamburg, Germany, ²Massachusetts Eye and Ear Infirmary, Boston, MA, ³University Medical Center - Hamburg, Germany

S258 EFFECT OF SURGERY AND ADJUVANT RADIOTHERAPY ON OVERALL SURVIVAL FOR NON-METASTATIC ADENOID CYSTIC CARCINOMA OF THE HEAD AND NECK: A SEER POPULATION ANALYSIS

Brian J Mitchell, DO¹, Jeff Bunn, MD¹, Jason Call, MD², Robert Fairbanks, MD², Wayne Lamoreaux, MD², Danko Martincic, MD², Aaron Wagner, MD², Ben Peressini², Chris Lee, MD²; ¹Providence Spokane Head, Neck and Thyroid Center, ²Cancer Care Northwest

S259 RELOCATION OF THE SURGICAL MARGINS FROM SPECIMEN TO THE WOUND BED TO INCREASE SURGICAL SUCCESS RATE
 C G F van Lanschoot, MD, J A Hardillo, MD, PhD, I ten Hove, MD, DDS, H Mast, MD, DDS, C A Meeuwis, MD, PhD, A Sewnaik, MD, PhD, D Monserez, MD, T C Bakker Schut, MSc, PhD, R J Baatenburg de Jong, Prof, MD, PhD, G J Puppels, MSc, PhD, S Koljenovi?, MD, PhD; ErasmusMC

S260 RECONSTRUCTING SEGMENTAL TRACHEAL DEFECT USING 3D PRINTING TECHNIQUE; EFFECT OF SCAFFOLD SHAPE
 Inn-chul Nam¹, Dong-woo Cho², Kwang-jae Cho¹, Min-sik Kim¹; ¹Department of Otolaryngology-Head and Neck Surgery, College of Medicine, The Catholic University of Korea, ²Department of Mechanical Engineering, Pohang University of Science and Technology (POSTECH)

S261 SURGICAL DIGITAL DESIGN AND SIMULATION IN MAXILLARY RECONSTRUCTION
 Hadi Seikaly, MD, MAL¹, Heather Logan, BDes, MSc², Georgina Papadopoulos, MScSLP², Daniel A O'Connell, MD, MSc¹, Vincent L Biron, MD, PhD¹, Kal Ansari, MD, MACMD¹, David W Cote, MD, MPH¹, Jeffrey R Harris, MD, MHA¹, Jana Rieger, PhD², Suresh Nayar, BDS, MDS, MPhil², Martin Osswald, BDS, MDent², Johan Wolfaardt, BDS, MDent, PhD²; ¹University of Alberta, ²IRSM

5:30 pm - 7:00 pm **Poster Session with Wine & Cheese**

4E

Poster Tour Leaders:

Endocrine Surgery - Daniel Kuriloff
 Cancer Biology - Sufi Thomas
 Reconstructive/Microvascular Sx - Liana Puscas
 Oral Cavity - Uttam Sinha
 Hypopharynx/Larynx - Dev Kamdar
 Skin Cancer - Lana Jackson
 Nasopharynx/Sinuses/ Skull Base - Ben Judson
 Salivary Gland - Carsten Palmer
 Oropharynx - Baran Summer
 Imaging & Screening - Frank Ondrey

Thank you to our poster judges!

Endocrine Surgery - Paul Friedlander & Nitin Pagedar
 Cancer Biology - Jose Zevallos & Sufi Thomas
 Reconstructive/Microvascular Sx - Urjeet Patel & Liana Puscas
 Oral Cavity - Sargi Zoukka & Uttam Sinha
 Hypopharynx/Larynx - Nigel Beasley & Dev Kamdar
 Skin Cancer - Timothy Lian & Lana Jackson
 Nasopharynx/Sinuses/ Skull Base - Anand Devaiah & Ben Judson
 Salivary Gland - Chris Rassekh & Carsten Palmer
 Oropharynx - Amy Hessel & Baran Summer
 Imaging & Screening - Marilene Wang & Frank Ondrey
 Chemotherapy - Laura Chow & June Corry
 Education/Care Delivery - Alexander Kejner & Pardis Javadi
 Functional Outcomes - Samir Khariwal & Amy Chen
 Health Services Research - Elizabeth Franzman & Doug Frank

7:00 pm - 8:15 pm **Astra Zeneca Satellite Symposium:**

4C-3

**Building Upon the PD-1/PD-L1 Axis:
 New Targets in Immuno-Oncology (IO),
 Rationale for Investigating Combinations,
 and Advanced Squamous Cell Carcinoma
 of the Head and Neck (SCCHN)**

This is a NON-CME activity and was not planned by AHNS. AHNS takes no responsibility for the content.

Speaker: Ezra Cohen, M.D.

Tuesday, July 19, 2016

6:30 am - 7:30 am **AHNS New Member & Non-Member Breakfast** Tahoma 1

7:30 am - 9:00 am **Milton J. Dance Symposium -** 4F

**Optimizing Survivorship -
Prevention Through Late Effects**

Chairs: Katherine A. Hutcheson, MD & G Jolie Ringash, MD

Moderators: Joseph A. Califano, MD, &
Karen T. Pitman, MD

This special symposium has been sponsored by the Milton J. Dance Center, a private not-for-profit facility in Baltimore with a long commitment to patient-centered care. This sponsorship has allowed us to invite expert guest speakers who represent the leading edge of interventional survivorship research around the world. We will focus on practical interventions that can be employed to prevent, support and reverse toxicities that have important implications for survivors of head and neck cancer.

The Milton J. Dance Center - Joseph A. Califano, MD

Introduction and Goals - Katherine A. Hutcheson, MD
& G Jolie Ringash, MD

**Soft Tissue Toxicity in Head and Neck Cancer:
The Lymphedema-Fibrosis Continuum -** Barbara A. Murphy, MD

**Motivation to Fear Avoidance Impacts on
Adherence to Prophylactic Swallowing
Exercise for HNC -** Giselle Carnaby, PhD, MPH

**Osteoradionecrosis & Mandible Fracture:
From Pathophysiology to Medical Cure -** Sylvie Delanian, MD, PhD

At the conclusion of this session, participants will be able to:

- Prepare patients for potential survivorship issues and recommend self-efficacy interventions
- Apply methods and interventions suggested by the speakers
- Select interventions that may be priorities within their unique practices

9:15 am - 10:00 am **Hayes Martin Lecture** 4F

***Transforming Head and Neck
Surgeon into Thyroid Expert***

Ashok R. Shaha, MD

**Memorial Sloan Kettering Cancer Center
New York, NY**

Introduction by: Dennis H. Kraus, MD

10:00 am - 10:30 am **Break in Exhibit Hall** 4E

Panel: Nasopharyngeal Cancer: The Current Management of Nasopharyngeal Carcinoma and the Beyond

4C-1-2

Moderator: Anne W. M. Lee, MD & Chih-Yen Chien, MD

The multidiscipline approach in the treatment of nasopharyngeal carcinoma (NPC) is essential to improve the clinical outcomes. The clinical significance of EBV biomarker, strategies of chemoradiation and salvage operation will be discussed in this session.

Introduction - Chih-Yen Chien, MD

Brief Overview of Nasopharyngeal Carcinoma - Chih-Yen Chien, MD

Biology and Clinical Use of EBV Markers - Quynh-Thu Le, MD

Radiation Therapy - Anne W. M. Lee, MD

The Role of Systemic Therapy - Anthony T. C. Chan, MD

Surgical Management of Recurrence - Jimmy Yu Wai Chan, MD, MS, MRCS (Ed)

At the conclusion of this session, participants will be able to:

- Recognize the clinical significance of EBV biomarker in nasopharyngeal carcinoma
- Distinguish strategies of chemoradiation for nasopharyngeal carcinoma.
- Assess different salvage operation approaches for recurrent nasopharyngeal carcinoma.

Panel: New Approaches in Radiation Therapy

4C-3

Moderator: Louis Harrison, MD, FASTRO

This session will discuss new ideas about radiation therapy technique as well as opportunities to anatomically and biologically personalize treatment. Proton beam RT, stereotactic RT, as well as applications of genomics and biologically adaptive therapy will be covered.

Proton Beam Radiation Therapy - Nancy Y. Lee, MD

Stereotactic Radiation Therapy for Head and Neck Cancer - Farzan Siddiqui, MD, PhD

New Ideas to Personalize and Biologically Adapt Radiation Therapy - Louis Harrison, MD, FASTRO

Radiosensitization in Head and Neck Cancer - Francis Worden, MD

At the conclusion of this session, participants will be able to:

- Understand how to better recognize how to incorporate stereotactic radiation therapy into clinical practice and treatment planning
- Distinguish clinical problems that may be well suited for evaluation for proton beam RT
- Recognize some of the developments aimed at personalizing radiation therapy and adapting it to the individual patient

Panel: Current Management of Oral Cavity Cancer

4C-4

Moderators: Anil K. D'Cruz, MD & Jeffrey N. Myers, MD, PhD

Short lectures and case presentations will be used to delineate up to date evaluation and treatment of early and advanced oral cavity cancers.

Introduction -	Jeffrey N. Myers, MD, PhD
Management of Early Primary Tumors -	Pierre Lavertu, MD
Pathologic Assessment of Margins by Surgeons or Pathologists -	Simion Chiosea, MD
Management of the Neck -	Anil K. D'Cruz, MD
Management of Advanced Primary Tumors -	Ken-ichi Nibu, MD
Indications for Adjuvant Treatment -	David Raben, MD

At the conclusion of this session, participants will be able to:

- Formulate a multi-disciplinary evaluation and primary treatment plan for patients with early staged oral cavity cancers.
- Choose a multi-disciplinary evaluation and primary treatment plan for patients with advanced staged oral cavity cancers
- Develop a plan for post-operative adjuvant treatment for oral cancer patients with high risk pathology.

Proffered Papers: Oropharynx/HPV

Tahoma 1

Moderators: Matthew Old, MD; Aron Popovtzer, MD; & Adam Raben, MD

S271 THE IMPACT OF TONSILLECTOMY ON THE NATURAL HISTORY OF ORAL HUMAN PAPILLOMA VIRUS INFECTION IN HEALTHY INDIVIDUALS: DATA FROM THE UK OROMOUTH COHORT

Oladejo Olaleye, MPH, MRCS, DOHNS, MBBS¹, Peter Sasieni, Professor², Hisham Mehanna, Professor³; ¹Institute of Head and Neck Studies and Education (InHANSE), University of Birmingham, United Kingdom, ²Wolfson Institute of Preventive Medicine, Queen Mary University of London, UK, ³Director, Institute of Head and Neck Studies and Education (InHANSE), University of Birmingham UK

S272 RISING INCIDENCE OF HPV POSITIVE OROPHARYNGEAL CANCER IN TAIWAN WHERE BETEL NUT CHEWING IS COMMON IN THE PAST 16 YEARS

Cheng-ping Wang, MD¹, Yih-Leong Chang, MD², Tseng-Cheng Chen, MD, PhD¹, Jenq-Yuh Ko, MD, PhD¹, Tsung-Lin Yang, MD, PhD¹, Pei-Jen Lou¹, Taiwan Head and Neck Cancer Study Group Thancs³; ¹Department of Otolaryngology, National Taiwan University Hospital, ²Department of Pathology, National Taiwan University Hospital, ³THANCS

S273 HIGH EXPRESSION OF MYOFERLIN IS ASSOCIATED WITH POOR OPSCC PATIENTS AND IS INVERSELY ASSOCIATED WITH HPV-STATUS

Bhavna Kumar, MS¹, Nicole V Brown, MS², Benjamin J Swanson, MD, PhD³, Alessandra C Schmitt, MD³, Matthew Old, MD¹, Enver Ozer, MD¹, Amit Agrawal, MD¹, David E Schuller, MD¹, Theodoros N Tektas, MD¹, Pawan Kumar, MS, PhD¹; ¹Department of Otolaryngology-Head and Neck Surgery, ²Center for Biostatistics, ³Department of Pathology, The Ohio State University, Columbus, OH

S274 INCREASED RISK OF CERVICAL CANCER IN FEMALE SPOUSES OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA PATIENTS

Marcus M Monroe, MD, Jason Hunt, MD, Luke Buchmann, MD, Lisa Cannon-Albright, PhD, Mia Hashibe, PhD; University of Utah School of Medicine

S275 OUTCOME AND IMPACT OF HIGH-RISK HUMAN PAPILLOMAVIRUS IN PATIENTS TREATED WITH PRIMARY SURGERY FOR OROPHARYNGEAL CANCER

Martina A Broglie, MD¹, Sandro J Stoeckli, MD¹, Philippe Pasche, MD², Antoine Reinhard, MD², Laurence de Leval, MD³, Gerhard F Huber, MD⁴, Thomas F Pezier⁴, Alex Soltermann, MD⁵, Roland Giger, MD⁶, Andreas Arnold, MD⁶, Eva Diamantis, MD⁷, Andre Arnoux, MD⁸, Martin Müller, MD⁸, Stephan Spreitzer, MD⁹, Florian Lang, MD¹⁰, Mathieu Lutchmaya, MD¹⁰, Edouard Stauffer, MD¹¹, Vittoria Espeli, MD¹², Francesco Martucci, MD¹³, Massimo Bongiovanni, MD¹⁴, Wolfram Jochum, MD¹⁵; ¹Department of Otorhinolaryngology, Head and Neck Surgery, Kantonsspital St.Gallen, Switzerland, ²Department of Otorhinolaryngology, Head and Neck Surgery, University of Lausanne, Switzerland, ³Department of Pathology, University hospital of Lausanne, Switzerland, ⁴Department of Otorhinolaryngology, Head and Neck Surgery, University Hospital of Zurich, Switzerland, ⁵Institute of Surgical Pathology, University Hospital of Zurich, Switzerland, ⁶Department of Otorhinolaryngology, Head and Neck Surgery, University of Berne, Switzerland, ⁷Department of Pathology, University of Berne, Switzerland, ⁸Department of Otorhinolaryngology, Head and Neck Surgery, Kantonsspital Aarau, Switzerland, ⁹Department of Pathology, Kantonsspital Aarau, Switzerland, ¹⁰Department of Otorhinolaryngology, Head and Neck Surgery, Kantonsspital Fribourg, Switzerland, ¹¹Institute of Pathology, Promed SA, Fribourg, Switzerland, ¹²Oncology institute of southern Switzerland (IOSI) Bellinzona, Switzerland, ¹³Department of Radiooncology, Oncology institute of southern Switzerland (IOSI) Bellinzona, Switzerland, ¹⁴Institute of Pathology, Locarno, Switzerland, ¹⁵Institute of Pathology, Kantonsspital St. Gallen, Switzerland

S276 SUPPRESSION OF ANTITUMOR IMMUNE RESPONSES BY HUMAN PAPILLOMAVIRUS THROUGH EPIGENETIC DOWNREGULATION OF CXCL14

Louis Cicchini¹, Joseph Westrich¹, Daniel Vermeer², Jennifer Berger¹, Eric Clambey¹, Denis Lee¹, John Song¹, Paul Lambert¹, Robert Greer¹, John H Lee², Dohun Pyeon¹; ¹University of Colorado, ²Sanford Health

S277 NECK DOWNSTAGING AFTER 46 GY OF RADIOTHERAPY IS ASSOCIATED WITH HPV-RELATED OROPHARYNGEAL CARCINOMA.

Emilie Dronkers, MD, Senada Koljenovic, MD, PhD, Gerda Verduijn, MD, Robert Baatenburg de Jong, MD, PhD, Jose Hardillo, MD, PhD; Erasmus University Medical Center Rotterdam

S278 DIFFERENTIAL EXPRESSION OF ALDO-KETO-REDUCTASE 1C1 AND 1C3 GENES IS ASSOCIATED WITH VIRAL PHYSICAL STATUS IN HPV16 POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS

Ernst Jan M Speel¹, Nadine C Olthof¹, Jutta Kolligs², Annick Haesevoets¹, Mieke Henfling¹, Frans C Ramaekers¹, Simon F Preuss², Dirk Beutner², Uta Drebber², Wan L Lam³, Emily A Vucic³, Bernd Kremer¹, Jens P Klussmann⁴, Christian U Huebbers²; ¹Maastricht University Medical Center, ²University of Cologne, ³British Columbia Cancer Research Center, ⁴University Hospital of Giessen

S279 DIAGNOSTIC ROLE OF GUIDED BIOPSY AND 18F-FDG PET/CT OR CT/MR IMAGING IN PATIENTS WITH CERVICAL METASTASES OF UNKNOWN PRIMARY TUMOR

Ji Won Kim, Shereen Yankasari, Yoon Se Lee, Jong-Lyel Roh, Seung-Ho Choi, Sang Yoon Kim; Asan Medical Center

Proffered Papers: Cancer Biology III and Stem Cells

Tahoma 2

**Moderators: Umamaheswar Duvvuri, MD, PhD;
Byung-Joo Lee, MD; & Maie St John, MD, PhD****S280 MESENCHYMAL STEM CELLS HOME TO THE TUMOR MICROENVIRONMENT IN ORAL CAVITY CANCER**Tammara L Watts, MD, PhD, Ruwen Cui, BS, Irina V Pinchuk, PhD, Don W Powell, MD; University of Texas Medical Branch**S281 CANCER INITIATING CELLS-CANCER ASSOCIATED FIBROBLASTS CROSS TALK IN INDUCING RESISTANCE TO CHEMOPREVENTION**Gangotri Siddappa¹, Safeena Kulsum¹, Ravindra D R¹, Nalini Raju², Nisheena R², Tina Jacob³, Binu T Kuruvilla⁴, Benny Anthony⁴, Padma L⁵, Amritha Suresh¹, Moni A Kuriakose⁶; ¹Integrated Head and Neck Oncology Research Program, Mazumdar Shaw Centre for Translational Research, Mazumdar Shaw Medical Centre, Narayana Health, Bangalore 560099, ²Department of Histopathology, Mazumdar Shaw Medical Centre, Mazumdar Shaw Medical Centre, Narayana Health, Bangalore 560099, ³Department of Oral Pathology and Microbiology, Bangalore Institute of Dental Sciences, Bangalore 560029, ⁴Arjuna Natural Extracts Ltd., P.B.No. 126, Bank Road, Alwaye, Kochi, Kerala 683101, ⁵Department of Pharmacology, Dr B R R Ambedkar Medical College, Bangalore 560045, ⁶Head and Neck Oncology, Mazumdar Shaw Medical Centre, Narayana Health, Bangalore 560099**S282 ANGIOTENSIN II TYPE 1 RECEPTOR CONTRIBUTES TO MALIGNANT PROGRESSION IN ORAL SQUAMOUS CELL CARCINOMA THROUGH MODULATION OF FLJ10540/S100A9 SIGNALING**Chang-Han Chen, PhD¹, Hsin-Ting Tsai², Chih-Yen Chien²; ¹Institute for Translational Research in Biomedicine, Kaohsiung Chang Gung Memorial Hospital, ²Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital**S283 THE EFFECT OF HYDROGEL MIXED HUMAN ADIPOSE TISSUE-DERIVED MESENCHYMAL STEM CELL INJECTION FOR THE REGNERATION OF IRRADIATION-INDUCED SALIVARY GLAND DAMAGE**Eun-Jae Chung¹, Young-Soo Rho², Seong-Keun Kwon¹; ¹Department of Otorhinolaryngology - Head and Neck Surgery, Seoul National University Hospital, ²Department of Otorhinolaryngology-Head and Neck Surgery, Hallym University Hospital, Hallym University College of Medicine**S284 IS C-11 METHIONINE PET AN ALTERNATIVE TO FDG PET FOR IDENTIFYING RECURRENT LARYNGEAL CANCER AFTER RADIOTHERAPY?**Jan Wedman, MD⁵, Jan Pruim, professor, MD, PhD¹, Lisa van Putten, MD², Remco de Bree, professor, MD, PhD², Boukje van Dijk, PhD³, Otto Hoekstra, MD, PhD, Professor⁴, Bernard van der Laan, professor, MD, PhD⁵; ¹Department of Nuclear Medicine, University Medical Center Groningen, Groningen, The Netherlands, ²Department of Otolaryngology / Head and Neck Surgery, VU University Medical Center, Amsterdam, The Netherlands, ³Department of Department of Epidemiology and Biostatistics, University Medical Center Groningen, Groningen, The Netherlands, ⁴Department of Radiology and Nuclear Medicine, VU University Medical Center, Amsterdam, The Netherlands, ⁵Department of Otorhinolaryngology / Head & Neck Surgery, University Medical Center Groningen, Groningen, The Netherlands**S285 ROLE OF EXOSOMAL MICRORNAs IN ORAL CANCER**C Dickman, J Lawson, K Bennewith, C Garnis, phd; University of British Columbia

S286 THE DISCOVERY OF DIFFERENTIALLY METHYLATED SUPER-ENHANCER ELEMENTS IN HPV-RELATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Daria A Gaykalova, PhD¹, Emily L Flam, BS¹, Alexander V Favorov, PhD¹, Michael Considine, MS¹, Theresa Guo, MD¹, Ludmila Danilova, PhD¹, Dylan Kelley, MD¹, Justin A Bishop, MD¹, Jessica Bondy, BS¹, Samantha Greeley, BS¹, Samantha Merritt, BS¹, Julie Ahn, BS¹, Marla Goldsmith, BS¹, Wayne Koch, MD¹, William H Westra, MD¹, Zubair Khan, MD¹, Sarah Wheelan, PhD¹, Michael Ochs, PhD², Elana Fertig, PhD¹, Joseph A Califano, MD³; ¹Johns Hopkins Medical Institutions, ²The College of New Jersey, ³University of California, San Diego

S287 CHARACTERIZATION OF FADU-R, A RADIORESISTANT HEAD AND NECK CANCER CELL LINE, AND CANCER STEM CELLS

Young-Hoon Joo, Eun-Ji Park, Min-Sik Kim; The Catholic University of Korea

S288 CANCER INITIATING CELL PROFILE IN TOBACCO INDUCED CARCINOGENESIS AND EFFECT OF ALL-TRANS RETINOIC ACID (ATRA) BASED CHEMOPREVENTION IN ORAL CANCER

Subin T Surendran¹, Amrutha S Mohan¹, Wesley L Hicks¹, Amritha Suresh², Moni A Kuriakose¹; ¹Head and Neck Surgery, Roswell Park Cancer Institute, Buffalo, New York, 14263, ²Mazumdar Shaw Medical Center- Roswell Park Collaboration Program, Buffalo, New York 14263

Proffered Papers: Epidemiology

Tahoma 3

**Moderators: Shamit Chopra, MD, MBBS, MS;
Andreas Dietz, MD;
C. René Leemans, MD, PhD; &
David C. Shonka, MD**

S289 THE TREND OF AGE-PERIOD EFFECT ON PROGNOSIS IN DIFFERENTIATED THYROID CANCER

Rongliang Shi¹, Ning Qu², Qinghai Ji²; ¹Fudan University Minhang Hospital, ²Fudan University Shanghai Cancer Center

S290 MALIGNANCY RATES ON SUBCATEGORIES OF BETHESDA CLASS III (THYROID FNAB) IN A REFERENCE CENTER IN BRAZIL

Paulo Campos Carneiro¹, Luiz Fernando Ferraz da Silva¹, Leticia de Moraes Mosca², Vergilius José Furtado de Araújo Neto², Claudio Roberto Cernea², Vergilius José Furtado de Araújo Filho²; ¹Department of Pathology - University of São Paulo, São Paulo, Brazil, ²Department of Head and Neck Surgery - University of São Paulo, São Paulo, Brazil

S291 EVALUATION OF ULTRASOUND REPORTING FOR THYROID CANCER DIAGNOSIS AND SURVEILLANCE

Ilya Likhterov, MD, Marcela Osorio, Meghan Rowe, Mark Urken, MD; Mount Sinai Beth Israel

S292 OBESITY IS ASSOCIATED WITH AGGRESSIVE CLINICOPATHOLOGICAL FEATURES OF PAPILLARY THYROID CANCER: DATA FROM 2 TEACHING HOSPITALS IN CHINA.

Shi-tong Yu, PhD, Candidates¹, Qian Cai, MD¹, Fa-ya Liang, MD¹, Ping Han, MD¹, Xiao-ming Huang, MD¹, Jichun Yu, MD²; ¹Department of Otorhinolaryngology, Head and Neck Surgery, Sun Yat-sen Memorial Hospital, Sun Yat-sen University, ²Department of Thyroid Surgery, the 2nd Affiliated Hospital of Nanchang University

S293 AN ONCOSPACE RISK PREDICTION MODEL FOR HEAD AND NECK RADIATION TOXICITIES: NOVEL INSIGHTS TO REDUCE THE RISK OF HEAD AND NECK RADIATION-INDUCED XEROSTOMIA

Xuan Hui, MD, Harry Quon, MD, MS, Scott P Robertson, PhD, Zhi Cheng, MD, Joseph A Moore, PhD, Michael Bowers, Ana P Kiess, MD, PhD, Brandi R Page, MD, Christine G Gourin, MD, MPH, Todd R McNutt, PhD; Johns Hopkins University

S294 HEAD AND NECK CANCER INCIDENCE IN ONTARIO (1993-2010)
Matthew J Mifsud, MD, Antoine Eskander, MD, ScM, Jonathon C Irish, MD, FRCSC, FACS, MSc, David R Urbach, MD, MSc, FRCSC, FACS, John de Almeida, MD, MSc, FRCSC, David P Goldstein, MD, MSC, FRCSC, FACS; University of Toronto

S295 POPULATION ANALYSIS OF SOCIOECONOMIC STATUS AND OTOLARYNGOLOGIST DISTRIBUTION ON HEAD AND NECK CANCER OUTCOMES
Andrew B Davis, MD¹, J. Robert Schleiffarth, MD², Steven M Sperry, MD¹, Mary E Charlton, PhD³, Nitin A Pagedar, MD¹; ¹Otolaryngology Department, University of Iowa, ²Rapid City Medical Center, Rapid City SD, ³Department of Epidemiology, University of Iowa

S296 GLOTTIC TUMOR VOLUME AS A PREDICTOR OF SURVIVAL: A POPULATION BASED ANALYSIS OF SURVIVAL
William J Reschly, MD, Sandy O Inocente, BS, Reordan O DeJesus, MD, William M Mendenhall, MD, Robert Amdur, MD, Brian J Boyce, MD, Peter T Dziegielewski, MD, FRCSC; University of Florida

S297 DETERMINANTS OF TREATMENT OUTCOME IN ORAL CAVITY CANCER PATIENTS: AN ANALYSIS OF THE NATIONAL CANCER DATABASE (NCDB) OF 58,295 PATIENTS
 Muhammad M Qureshi, MBBS, MPH¹, Diana Kirke, MD², Andrew Salama, MD, DDS², Waleed H Ezzat, MD², Scharukh Jalisi, MD², Minh Tam Truong, MD²; ¹Boston University School of Medicine, ²Boston Medical Center

Proffered Papers: Best of Clinical II

Tahoma 4

**Moderators: James S. Brown, MD;
 Brian B. Burkey, MD, MEd; &
 Scharukh Jalisi, MD**

S305 THE INFLUENCE OF PERINEURAL AND ANGIOLYMPHATIC INVASION ON SURVIVAL IN MINOR SALIVARY GLAND MALIGNANCIES

Phillip Huyett, MD, Jonas T Johnson, MD, Robert L Ferris, MD, PhD, Umamaheswar Duvvuri, MD, PhD, Seungwon Kim, MD, PhD; UPMC

S298 AMERICAN COLLEGE OF SURGEONS - NATIONAL SURGICAL QUALITY IMPROVEMENT PROGRAM (NSQIP) ASSESSMENT OF RISK FACTORS FOR 30 DAY UNPLANNED READMISSION IN PATIENTS UNDERGOING HEAD AND NECK SURGERY REQUIRING FREE TISSUE RECONSTRUCTION.

Orly M Coblens, Jason Brant, MD, Ara A Chalian, MD, Jason G Newman, MD, FACS, Steven B Cannady, MD; University of Pennsylvania

S299 THE IMPACT OF A HEAD AND NECK ONCOLOGY FELLOWSHIP PROGRAM ON OTOLARYNGOLOGY RESIDENT TRAINING IN A HIGH VOLUME CENTER

Kate Clancy, BA¹, Sami Melki, MD², Nicole Fowler, MD², Rod Rezaee, MD², Pierre Lavertu, MD², Chad A Zender, MD²; ¹Case Western Reserve School of Medicine, ²University Hospitals Case Medical Center

S300 CARDIAC GATED CT ANGIOGRAPHY IN PRIMARY HYPERPARATHYROIDISM: A NEW AND EFFECTIVE IMAGING TECHNIQUE.

Isaac E Schwartz, MD, Gregory Capra, MD, Terence Johnson, MD, David P Mullin, MD, Gil Boswell, MD; Naval Medical Center, San Diego

S301 MRI BASED IDENTIFICATION OF LYMPH NODES AND NERVES, THE FUTURE IN SURGICAL PLANNING FOR SENTINEL NODE PROCEDURES IN HEAD AND NECK CANCER?

T Buckle¹, G.h. KleinJan¹, N.s. van den Berg¹, B.m. Verbist¹, A. Webb¹, M.c. de Ruiter¹, M.a. van Buchem¹, A.j.m. Balm², F.w.b. van Buchem¹; ¹Leiden University Medical Center, ²Netherlands Cancer Insitute- Antoni van Leeuwenhoek hospital (NKI-AvL)

S302 PROSPECTIVE ANALYSIS OF THE DEVELOPMENT OF TRISMUS AND THE PREDICTIVE FACTORS OF SEVERITY IN NASOPHARYNGEAL CARCINOMA PATIENTS UNDERGOING RADIATION

Donovan Eu, MBBS, Boon-Cher Goh, MD, Ivan Tham, MD, Thomas Loh, FRCS; National University Health System, Singapore

S303 UNITED KINGDOM MULTICENTRE HPV OROPHARYNX CANCER CROSS-SECTIONAL STUDY - AN EVOLUTION IN THE UNDERSTANDING OF DISEASE AETIOLOGY

Andrew G Schache, MD, PhD¹, Ned Powell, PhD², Kate Cuschieri, PhD³, Max Robinson, PhD⁴, Sam Leary, PhD⁵, Hisham Mehanna, MD, PhD⁶, Davy Rapozo⁷, Anna Long⁴, Heather Cubie³, Elizabeth Junor⁸, Hannah Monaghan⁹, Kevin Harrington, PhD¹⁰, Christopher M Nutting, PhD¹⁰, Ulrike Schick¹⁰, Andy S Lau¹, Jon Sheard¹, Catharine M West, PhD¹¹, Ken Oguejiofor¹¹, Steve Thomas, PhD⁵, Andy R Ness, PhD⁵, Miranda Pring⁵, Dennis J McCance, PhD¹², Jacqueline A James, PhD¹³, Michael Moran, MD, PhD¹⁴, Emma V King, PhD¹⁵, Gareth Thomas, PhD¹⁶, Phil Sloan⁴, Richard J Shaw, MD¹, Mererid Evans, MD, PhD¹⁷, Terry M Jones, MD¹; ¹University of Liverpool, ²Cardiff University, ³Scottish Human Papillomavirus Reference Laboratory, ⁴Newcastle University, ⁵University of Bristol, ⁶University of Birmingham, ⁷Brazilian National Cancer Institute, ⁸Edinburgh Cancer Research Centre, ⁹Royal Infirmary of Edinburgh, ¹⁰The Royal Marsden Hospital, ¹¹University of Manchester, ¹²University of New Mexico, ¹³Northern Ireland Molecular Pathology Laboratory, ¹⁴University College London Hospital NHS Trust, ¹⁵Poole Hospital NHS Foundation Trust, ¹⁶University of Southampton, ¹⁷Velindre Cancer Centre

S304 USE OF FREE TISSUE TRANSFER IN HEAD AND NECK CANCER SURGERY AND RISK OF OVERALL AND SERIOUS COMPLICATION: AN ACS-NSQIP ANALYSIS OF FREE TISSUE TRANSFER TO THE HEAD AND NECK

Steven B Cannady, MD, Jason G Newman, MD, John P Fischer, MD, Ara C Chalian, MD, Jason A Brant, MD; University of Pennsylvania

S306 IS THERE A ROLE OF COMPUTED TOMOGRAPHY IN WELL DIFFERENTIATED THYROID CANCER?

Richa Vaish, MS, Abhishek Mahajan, MD, Nilesh Samble, MD, Supreeta Arya, Devendra Chaukar, MSDNB, Anil D'Cruz, MSDNBFRCs, Hon; Tata Memorial Hospital

Proffered Papers: Reconstruction III

Tahoma 5

Moderator: Liana Puscas, MD

S262 VIRTUAL DISSECTION OF MSAP FLAPS

Alastair Fry, FRCS¹, Alasdair McKechnie, PhD, FRCS¹, Richard Tunstall, PhD², Michael Nugent, FRCS³; ¹Sheffield Teaching Hospitals, ²Warwick University, ³Sunderland Royal Hospital

S263 PNEUMONIA AND OTHER NON-SURGICAL SITE NOSOCOMIAL INFECTIONS AFTER MAJOR HEAD AND NECK PEDICLED AND FREE FLAP RECONSTRUCTIVE SURGERY

Tjosaon Tjoa, MD¹, Daniel G Deschler, MD¹, Vinay K Rathi, BA², Neerav Goyal, MD, MPH³, Bharat B Yarlagadda, MD⁴, Debbie L Rich, RN¹, Kevin S Emerick, MD¹, Derrick T Lin, MD¹, Marlene L Durand, MD¹; ¹Massachusetts Eye & Ear Infirmary, ²Yale University School of Medicine, ³Penn State University, ⁴Lahey Clinic

S264 FREE TISSUE TRANSFER IS SAFE AND FUNCTIONALLY EFFECTIVE IN SELECT PATIENTS UNDERGOING TRANSORAL ROBOTIC SURGERY; DEFINING THE ROLE OF FREE FLAPS FOR TORS

Steven B Cannady, MD, Kyle M Hatten, MD, Elizabeth Cottrill, MD, Christina Wray, Ara A Chalian, MD, Jason Newman, MD, Christopher H Rassekh, MD, Bert W O'Malley, MD, Gregory S Weinstein, MD; Hospital of the University of Pennsylvania

S265 REVISITING THE LATERAL ARM FREE FLAP IN HEAD AND NECK RECONSTRUCTION

Edward I Chang, MD, FACS, Amir Ibrahim, MD, Alexander T Nguyen, MD, FACS, Hiroo Suami, MD, Peirong Yu, MD; MD Anderson Cancer Center

S266 VASCULAR ANATOMY OF THE PERONEAL ARTERY - IMPLICATIONS FOR FLAP DESIGN

Alastair Fry, FRCS¹, Dave Laugharne, FRCS², Keith Jones, FRCS², Richard Tunstall, BMedSci, PhD³; ¹Sheffield Teaching Hospitals NHS Trust, ²Royal Derby Hospital, ³University of Warwick

S267 EXTENDED VERSUS SHORT DURATION OF ANTIBIOTIC PROPHYLAXIS IN HEAD AND NECK FREE FLAP RECONSTRUCTION

Sanjeev M Balamohan, MD, Raja Sawhney, MD, MFA, Lauren M MacKinnon, BSc, Brian J Boyce, MD, MFA, Patrick J Antonelli, MD, Peter T Dziegielewski, MD, FRCSC; University of Florida

S268 ACCURACY OF OSSEOINTEGRATED IMPLANT INSTALLATION USING SURGICAL DESIGN AND SIMULATION IN PREFABRICATED VASCULARISED FIBULA FREE FLAP MAXILLOFACIAL RECONSTRUCTION

Sherif Idris, MD, BSc¹, Heather Logan, BDes, MSc², Brittany Barber, MD, BSc¹, Russell Murphy, MD, FRCSC¹, Johan Wolfaardt, BDS, MDent, PhD², Martin Osswald, BDS, MDent², Suresh Nayar, BDS, MDS², Andrew Grosvenor, DT, MIMPT², Vincent L Biron, MD, PhD, FRCSC¹, David Côté, MD, MPH, CCFP, FRCSC¹, Kal Ansari, MD, MSc, FRCSC¹, Jeffrey R Harris, MD, MHA, FRCSC¹, Daniel A O'Connell, MD, MSc, FRCSC¹, Hadi Seikaly, MD, MAL, FRCSC¹; ¹Division of Otolaryngology - Head and Neck Surgery, Department of Surgery, University of Alberta, Edmonton, Alberta, Canada, ²Institute for Reconstructive Sciences in Medicine, Misericordia Community Hospital, Edmonton, Alberta, Canada

S269 COMPARISON OF OPERATIVE TIMES AND HOSPITAL LENGTH OF STAY FOR FIBULAR AND SCAPULAR TIP OSSEOUS FREE FLAPS

Gita M Fleischman, MD, Grace Austin, MD, Andrew Pappa, Jose Zevallos, Samip Patel, Trevor Hackman; University of North Carolina

S270 IMPACT OF CAROTID ARTERY STENOSIS IN HEAD AND NECK CANCER PATIENTS UNDERGOING FREE TISSUE TRANSFER RECONSTRUCTION

Marco A Ayala, MD, Valerie Wood, MD, Tran Le, MD, Sinehan Bayrak, MD, Kiran Kakarala, MD, Terance Tsue, MD, Douglas Girod, MD, Yelizaveta Shnayder, MD; University of Kansas Medical Center

12:00 pm - 1:30 pm **Lunch On Own**

OR

12:15 pm - 12:27 pm **Industry Theatre: Vigilant Biosciences**

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OR

12:15 pm - 1:15 pm **AHNS Business Meeting For AHNS Members Only**

4F

1:30 pm - 3:00 pm **VIDEO SESSIONS, PANELS OR PROFFERED PAPERS**

Video Session: How I Do It – Part 2

4F

Moderator: Mark K. Wax, MD

Saturday, July 16, 2016

Sunday, July 17, 2016

Monday, July 18, 2016

Tuesday, July 19, 2016

Wednesday, July 20, 2016

During this session experts in the field of Head and Neck Surgery have been selected for their expertise in critical surgical procedures. Each will present their topic by use of a surgical video of the procedure outlining their techniques, including indication, surgical pearls, and how to avoid the potential complications of each procedure.

Thyroidectomy - **Jeremy L. Freeman, MD**

Selective Neck Dissection - **Jatin P. Shah, MD, PhD (Hon.), DSc(Hon), FRCS(Hon)**

Forearm Free Flap - **Derrick Lin, MD**

Bone Flap for Mandible Reconstruction - **Adam Luginbuhl, MD**

Osteocutaneous - **Yelizaveta Lisa Shnyder, MD**

Submental Island - **Urjeet A. Patel, MD**

Panel: Genomics and Genetics in Evaluation of Thyroid Nodules

4C-2

Moderator: Maisie Shindo, MD & Gregory L. Randolph, MD

Over the last several years there has been an explosion of knowledge related to thyroid nodularity and cancer which has resulted in the development of tests that are available in the workup of thyroid nodular disease. We will review the application of these tests for the surgeon-clinician.

Introduction - **Maisie Shindo, MD & Gregory L. Randolph, MD**

A Primer of Mutational Pathways in Thyroid Cancer - **Kepal N. Patel, MD**

Gene Expression Classifier - **David Steward, MD**

Molecular Mutation Panels - **Robert L. Witt, MD**

Genetic Syndromes and Thyroid Cancer Risk - **Catherine F. Sinclair, MD, FRACS**

At the conclusion of this session, participants will be able to:

- Understand the importance of cytopathologic category in determining genetic testing options.
- Appreciate the patient's in whom a high negative predictive value test may be applied in order to avoid surgery.
- Appreciate the patient in whom an indeterminate aspirate may be augmented by a mutational panel to allow for oncologic surgical plan to be generated.

Panel: State-Of-The Art Management of Oropharyngeal Cancer

4C-3

Moderator: Sandro V. Porceddu, MD & Harry Quon, MD

Locally Advanced Oropharynx HPV-Negative Cancer - **Sandro V. Porceddu, MD**

Locally Advanced Oropharynx HPV+ Cancer - **Sue Yom, MD**

IMRT for Oropharynx Cancer - **Nancy Y. Lee, MD**

Consider Adding Functional Outcomes - **Jo Patterson, MD**

Options for Surgical Management - **Jeremy Richmon, MD**

Panel: Targeted Therapeutics and Translational Research

4C-4

Moderators: Carter Van Waes, MD, PhD & Dong M. Shin, MD

Presentations and panel discussion will be held regarding emerging understanding of molecular targets and agents for head and neck squamous cell carcinoma.

HPV Targeting Through p300 - Quintin Pan, PhD

Cell Death and p53 Pathways as Potential Targets - Carter Van Waes, MD, PhD

Wee1 Targeting in p53-deficient HNSCC: Updates on Our AZD1775 Neoadjuvant Phase I Trial - Eduardo Mendez, MD

Targeted Next-Generation Sequencing Identifies Molecular Subgroups in Squamous Cell Carcinoma of the Head and Neck with Distinct Outcome After Radiochemotherapy - Inge Tinhofer, PhD

At the conclusion of this session, participants will be able to:

- Classify common genomic and molecular mechanisms as targets for therapy of head and neck cancer
- Identify classes of targeted therapeutics for critical mechanisms under preclinical and clinical investigation
- Evaluate literature and trials available for rapidly developing targeted therapeutics

Proffered Papers: Cancer Imaging

Tahoma 1

Moderators: Andy Clump, MD, PhD; June Corry, MD; & Gady Har-El, MD

S307 RESPONSE EVALUATION AFTER CHEMORADIO THERAPY FOR ADVANCED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA USING 18F-FDG-PET-CT AND DIFFUSION-WEIGHTED MRI: THE REACTION STUDY

Charlotte S. Schouten, MD¹, Otto S. Hoekstra¹, Jonas A. Castelijns, MD, PhD¹, C. René Leemans, MD, PhD¹, Remco de Bree, MD, PhD²; ¹VU University Medical Center, ²University Medical Center Utrecht

S308 IMPROVING SURGICAL MANAGEMENT OF HEAD AND NECK CANCER WITH 89ZR AND IRDYE800 LABELED PANITUMUMAB

Andrew Prince, BSc¹, Lindsay Moore, MD¹, Benjamin Kasten, PhD¹, Erica Walsh, MD¹, Eben Rosenthal, MD², Jason Warram, PhD¹; ¹University of Alabama at Birmingham, ²Stanford University

S309 PREDICTORS OF EXTRACAPSULAR SPREAD IN HPV+ OROPHARYNGEAL CANCER

Mathew Geltzeiler, MD¹, Peter Andersen, MD², Daniel Clayburgh, MD, PhD², Daniel Brickman, MD²; ¹University of Pittsburgh Medical Center, ²Oregon Health & Science University

S310 COMPETING FACTORS COMPLICATING STUDY DESIGN FOR ORAL CANCER TRIAL - LESSONS LEARNED FROM THE COOLS TRIAL

J S Durham, MD¹, Donald W Anderson, MD¹, John Yoo, MD², Rob Hart, MD³, Joseph Dort, MD, MSc⁴, Kevin Higgins, MD⁵, Hadi Seikaly, MD⁶, Paul Kerr, MD⁷, Penny Brasher, PhD¹, Miriam P Rosin, PhD⁸, Catherine F Poh, DDS, PhD¹; ¹University Bristish Columbia, ²London Health Sciences Centre, ³Queen Elizabeth II Health Sciences Centre, ⁴University of Calgary, ⁵Sunnybrook Health Sciences Centre, ⁶Alberta Health Services, ⁷CancerCare Manitoba, ⁸Simon Fraser University

S311 A HAND-HELD DEVICE PROVIDES HIGH QUALITY, REAL-TIME PATHOLOGY USING OPTICAL COHERENCE TOMOGRAPHY
Nv Lee, BSc¹, Amd Lee, PhD², Dw Anderson, MD, FRCSC³, E Prisman, MD, FRCSC³, P Lane, PhD, PEng², Cf Poh, DDS, PhD, FRCDC¹; ¹Department of Oral Biological & Medical Sciences, Faculty of Dentistry, The University of British Columbia, Vancouver, Canada, ²Integrative Oncology, BC Cancer Research Centre, Vancouver, Canada, ³Head and Neck Surgery, Faculty of Medicine, The University of British Columbia, Vancouver, Canada

S312 FEASIBILITY ANIMAL STUDY OF TRIPLE FUSION IMAGE USING INDOCYANINE GREEN-TECHNETIUM-99M-PHYTATE COLLOID TECHNIQUE WITH SPECT/CT AND FLUORESCENCE IMAGING SYSTEM FOR SENTINEL LYMPH NODE DETECTION IN HEAD AND NECK REGION.

Koji Araki, MD, PhD¹, Yuya Tanaka, MD¹, Daisuke Mizokami, MD, PhD¹, Kazunobu Ohnuki, PhD², Arashi Fujita, RT², Izumi O Umeda, PhD², Shigeru Kosuda, MD, PhD³, Hirofumi Fujii, MD, PhD², Akihiro Shiotani, MD, PhD¹; ¹Department of Otolaryngology-Head & Neck Surgery, National Defense Medical College, ²Division of Functional Imaging, Exploratory Oncology Research and Clinical Trial Center, National Cancer Center, ³Department of Radiology, Kouseikai General Clinic

S313 FEASIBILITY OF SURGICAL NAVIGATION IN AN INTRAOPERATIVELY GAMMA CAMERA-BASED ACQUIRED FREEHANDSPECT SCAN AS A TOOL TO IMPROVE INTRAOPERATIVE LESION IDENTIFICATION

Nynke S van den Berg¹, Gijs H KleinJan¹, Baris Karakullukcu², Alfons J Balm², W Martin C Klop², Fijs W van Leeuwen¹; ¹Leiden University Medical Center, Leiden, the Netherlands, ²The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, the Netherlands

S314 PILOT STUDY EVALUATION OF THE OPTO-NUCLEAR PROBE, A TRUE HYBRID MODALITY THAT ALLOWS FOR COMBINED RADIO- AND FLUORESCENCE GUIDED SENTINEL NODE BIOPSY OF HEAD- AND-NECK MALIGNANCIES

Nynke S van den Berg¹, Hervé Simon², Gijs H KleinJan¹, Jacques Chambron², Bernard M Tijink³, Alfons J Balm³, Fijs W van Leeuwen³; ¹Leiden University Medical Center, Leiden, the Netherlands, ²Eurorad, Strassbourg, France, ³The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, the Netherlands

S315 FLUORESCENCE IMAGING TO LOCALIZE HEAD AND NECK SQUAMOUS CELL CARCINOMA FOR ENHANCED PATHOLOGICAL ASSESSMENT

Lidsay S Moore, MD¹, Esther de Boer, BS¹, Gooitzen M van Dam, MD², Stephanie L Bevans, BS¹, Erika M Walsh, MD¹, Erik S Young, PA¹, William R Carroll, MD¹, Todd M Stevens, MD¹, Eben L Rosenthal, MD³, Jason M Warram, PhD¹; ¹The University of Alabama at Birmingham, ²University of Groningen, the Netherlands, ³Stanford University

Proffered Papers: Oral Cavity II

Tahoma 2

**Moderators: Robert J. Baatenburg de Jong, MD, PhD;
 Rui Fernandes, MD, DMD; &
 Larry L. Myers, MD**

S316 ROLE OF ADJUVANT RADIOTHERAPY IN T1-2N0 STAGE II ORAL CAVITY CANCER PATIENTS: AN ANALYSIS OF 18,769 PATIENTS FROM THE NATIONAL CANCER DATABASE (NCDB).

Minh Tam Truong, MD¹, Muhammad M Qureshi, MBBS, MPH², Diana Kirke, MD¹, Waleed H Ezzat, MD¹, Andrew Salama, MD, DDS¹, Scharukh Jalisi, MD¹; ¹Boston Medical Center, ²Boston University School of Medicine

S317 THE THERAPEUTIC BENEFIT OF IMMEDIATE SURGERY FOR UNRESECTABLE T4B SQUAMOUS CELL CARCINOMA OF ORAL CAVITY WITH PARTIAL OR COMPLETE RESPONSE AFTER CHEMORADIOTHERAPY

Fu-Min Fang, MD¹, Chih-Yen Chien, MD²; ¹Department of Radiation Oncology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan, ²Department of Hematology and Oncology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

S318 MAJOR GLOSSECTOMY -SURVIVAL AND FACTORS PREDICTING RECURRENCE WITH EMPHASIS ON TUMOUR VOLUME.

Harsh Dhar, DR, Abhay Kattapur, DR, Anil DCruz, DR; Tata Memorial Hospital ,Mumbai

S319 A PROPOSAL TO REVISE THE DEFINITION OF CLOSE SURGICAL MARGINS IN SQUAMOUS CELL CARCINOMA OF THE ORAL TONGUE

Daniella K Zanoni, MD, Jocelyn Migliacci, MA, Bin Xu, MD, PhD, Nora Katabi, MD, Ian Ganly, MD, PhD, Jatin P Shah, MD, Richard J Wong, MD, Ronald A Ghossein, MD, Snehal G Patel, MD; Memorial Sloan Kettering Cancer Center

S320 DISPARITIES IN TREATMENT FOR SQUAMOUS CELL CARCINOMA OF THE ORAL CAVITY: AN ANALYSIS FROM THE NATIONAL CANCER DATA BASE

Carol Lewis, MD, MPH¹, Alexandra Kyrillos², Paul Chamberlain³, Chi-Hsiung Wang, PhD², Mihir Bhayani, MD²; ¹The University of Texas MD Anderson Cancer Center, ²NorthShore University HealthSystem, ³Baylor College of Medicine

S321 18F-FDG PET/CT SURVEILLANCE FOR THE DETECTION OF RECURRENCE AND SECOND PRIMARY CANCER IN PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA

Shin Ae Kim, MD, Sang Hoon Lee, MD, Jong-Lyel Roh, MD, Jae Seung Kim, MD, Jeong Hyun Lee, MD, Kyung-Ja Cho, MD, Seung-Ho Choi, MD, Soon Yuhl Nam, MD, Sang Yoon Kim, MD; Asan Medical Center, Seoul, Republic of Korea

S322 TUMOR VOLUME AS AN INDEPENDENT PREDICTIVE FACTOR OF WORSE SURVIVAL IN ORAL CAVITY SQUAMOUS CELL CARCINOMA PATIENTS

André B Santos, PhD¹, Chin S Lin, MD¹, Evandro L Silva, MD², Leandro L Matos, PhD¹, Raquel A Moyses, PhD², Marco Aurelio V Kulcsar¹, Fábio R Pinto, PhD¹, Lenine G Brandão, PhD², Claudio R Cernea, PhD²; ¹Instituto do Câncer do Estado de São Paulo (ICESP), ²University of São Paulo Medical School

S323 PER-OPERATIVE BRACHYTHERAPY FOR ORAL TONGUE CARCINOMA: PRELIMINARY RESULTS OF A PHASE II INSTITUTIONAL TRIAL.

Rami Shoukrun, MD, PhD, Michael P Hier, MD, Aleksander M Mlynarek, MD, Boris Bahoric, MD, Martin Black, MD, Khalil Sultanem; Jewish General Hospital, McGill university, Montreal.

S324 3D TUMOR VISUALIZATION BY FUSION OF CT AND MRI FOR INTEGRATION OF TUMOR MARGINS IN 3D VIRTUAL PLANNING FOR SURGICAL REMOVAL OF ORAL SQUAMOUS CELL CARCINOMA

Joep Kraeima, Bart Dorgelo, Rutger Schepers, Roel Steenbakkers, Hans Langendijk, Jan Roodenburg, Kees Pieter Schepman, Max Witjes; University Medical Center Groningen, The Netherlands

Proffered Papers: Thyroid

Tahoma 3

Moderators: Miljenko Bura, MD, PhD; Ian Ganly, MD, PhD; & Matthew Tamplen, MD

S325 FINANCIAL BURDEN OF RADIOACTIVE IODINE THERAPY FOR PAPILLARY THYROID CANCER

Zaid Al-Qurayshi, MD, MPH¹, Daniah Bu Ali, MD¹, Sudesh Srivastav, PhD², Emad Kandil, MD, MBA, FACS¹; ¹Tulane University School of Medicine, ²Tulane University School of Public Health and Tropical Medicine

S326 ROLE OF THERAPEUTIC LATERAL NECK DISSECTION IN WELL-DIFFERENTIATED THYROID CANCER

Daive Lombardi, MD¹, Alberto Paderno, MD¹, Remo Accorona, MD¹, Davide Giordano, MD², Giuseppe Mercante, MD³, Diego Barbieri, MD¹, Piero Nicolai, MD¹, Giuseppe Spriano, MD³, Davide Mattavelli¹, Simonetta Piana, MD⁴, Salvatore Bellafiore, MD⁴; ¹Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Italy, ²Department of Otorhinolaryngology, Arcispedale "S. Maria Nuova", Reggio Emilia, Italy, ³Department of Head and Neck Surgery, Istituto Nazionale dei Tumori "Regina Elena", Rome, Italy, ⁴Department of Pathology and Cytology, Arcispedale "S. Maria Nuova", Reggio Emilia, Italy

S327 PAPILLARY THYROID CANCER MARGIN STATUS IMPACT ON SURVIVAL

Zaid Al-Qurayshi, MD, MPH¹, Daniah Bu Ali, MD¹, Sudesh Srivastav, PhD², Emad Kandil, MD, MBA, FACS¹; ¹Tulane University School of Medicine, ²Tulane University School of Public Health and Tropical Medicine

S328 VALIDITY OF AMERICAN THYROID ASSOCIATION GUIDELINES FOR CYTOLOGIC EVALUATION OF THYROID NODULES BASED ON SIZE

Muhammad Anwar, Postdoctoral, Research, Fellow, Mohammed Alshehri, Fadi Murad, Zaid Al-Qurayshi, Daniah Bu Ali, MD, Tilak Malik, Tina Thethi, Emad Kandil; Tulane University School of Medicine

S329 LONG-TERM OUTCOMES OF SALVAGE LATERAL NECK DISSECTION IN PATIENTS WITH WELL-DIFFERENTIATED THYROID CANCER

Steven B Chinn, MD, MPH¹, Steven G Waguespack, MD², Beth S Edeiken, MD³, Gary L Clayman, DMD, MD¹; ¹The University of Texas, MD Anderson Cancer Center, Department of Head and Neck Surgery, ²The University of Texas, MD Anderson Cancer Center, Department of Endocrine Neoplasia and Hormonal Disorders, ³The University of Texas, MD Anderson Cancer Center, Department of Radiology

S330 OUTCOMES IN TOTAL THYROIDECTOMY: A PROSPECTIVE, RISK-ADJUSTED ANALYSIS FROM THE NATIONAL SURGICAL QUALITY IMPROVEMENT PROGRAM

Lisa Caulley, MD, MPH, Hedyeh Javidnia, MD, FRCSC, Stephanie Johnson-Obaseki, MD, FRCSC; University of Ottawa Department of Otolaryngology

S331 CENTRAL COMPARTMENT MANAGEMENT IN PATIENTS WITH PAPILLARY THYROID CANCER PRESENTING WITH METASTATIC DISEASE TO THE LATERAL NECK: ANATOMIC PATHWAYS OF LYMPHATIC SPREAD

Laura L. Dos Reis, Ilya Likhterov, Mark Urken; Mount Sinai Beth Israel

S332 TOTAL THYROIDECTOMY VS SURVEILLANCE IN BENIGN MULTINODULAR GOITER: A COST ANALYSIS

Amarbir S Gill, MD¹, Frederick Lindahl, PhD², Arjun S Joshi, MD³; ¹University of California Davis, Department of Otolaryngology, ²The George Washington University, School of Business, ³The George Washington University, Department of Otolaryngology

S333 LATERAL NECK DISEASE IN PATIENTS WITH SPORADIC MEDULLARY THYROID CANCER

Israel Pena, MD¹, Gary Clayman, MD², Elizabeth G Grubbs, MD³, Jeffrey Lee, MD³, Steven I Sherman, MD⁴, Steven G Waguespack, MD⁴, Ramona Dadu, MD⁴, Mimi I Hu, MD⁴, Erich M Sturgis, MD², Mark E Zafereo, MD²; ¹Otolaryngology - Head and Neck Surgery, Baylor College of Medicine, Houston, TX, United States., ²Head and Neck Surgery, MD Anderson Cancer Center, Houston, TX, United States, ³Surgical Oncology, MD Anderson Cancer Center, Houston, TX, United States., ⁴Endocrinology, MD Anderson Cancer Center, Houston, TX, United States

Proffered Papers: Potpurri III

Tahoma 4

Moderators: Edmund Mroz, PhD ; Benjamin E. Saltman, MD; & Michiel Van Den Brekel, MD, PhD

S334 PATIENT SPECIFIC FIBULAR RECONSTRUCTION: VIRTUALLY PLANNED BONY AND SOFT TISSUE RECONSTRUCTION.

Mohammed Qaisi, DMD, MD¹, Rabi Shanti, MD², Ravi Chandran, DMD, PhD¹, Ronald Caloss, DDS, MD¹; ¹University of Mississippi Medical Center, ²Louisiana State University Health Sciences Center - Shreveport

S335 PERFORMANCE OF A NOVEL BIOENGINEERED SCAFFOLD FOR PERIPHERAL NERVE REPAIR IN A FACIAL NERVE RODENT MODEL

Nate Jowett, MD¹, Fioleda Prifti, BSc², Christopher J Knox, BSc¹, Robert A Gaudin, MD¹, Joseph M Rosen, MD³, Cathryn Sundback, ScD⁴, Ulrike W Wegst, PhD²; ¹Dept. of Otolaryngology - Massachusetts Eye and Ear / Harvard Medical School, ²Thayer School of Engineering, Dartmouth College, ³Department of Surgery - Geisel School of Medicine / Dartmouth-Hitchcock Medical Center, ⁴Department of Surgery - Massachusetts General Hospital / Harvard Medical School

S336 THE PRACTICALITY OF 3D PRINTING FOR MANDIBULAR RECONSTRUCTION

Jessica Prasad, Dr, Allison Partridge, David Yeh MD, FRCS, Kevin Fung, Dr, Anthony Nichols, Danielle MacNeil, Dr, John Yoo, Dr; Victoria Hospital, London Health Sciences Centre, London, Ontario. (Western University)

S337 TONGUE MOBILITY ASSESSMENT IN ORAL CANCER PATIENTS USING A NEW 3-D MEASUREMENT TOOL: TOWARDS A PREDICTIVE MODEL.

S. van Dijk, MD¹, M.j.a. van Alphen, MSc, PhD¹, L.e. Smeele, MD, PhD¹, F. van der Heijden, MSc², A.j.m. Balm, MD, PhD¹; ¹The Netherlands Cancer Institute-Antoni van Leeuwenhoek Hospital, Amsterdam, ²MIRA Institute for Biomedical Technology and Technical Medicine, University of Twente, Enschede, The Netherlands

S338 FROZEN SECTION IS NOT COST BENEFICIAL FOR ASSESSMENT OF MARGIN IN ORAL CANCER

Pankaj Chaturvedi, Prof, Sourav Datta, Dr, Yogesh More, Dr, Aseem Mishra, Dr, Pranav Ingole, Dr, Deepa Nair, Dr, Sudhir Nair, Dr, Anil D'Cruz, Prof, Shubhada Kane, Prof; Tata Memorial Hospital, Mumbai

S339 EVALUATION OF BONE RESECTION MARGINS OF SEGMENTAL MANDIBULECTOMY FOR ORAL SQUAMOUS CELL CARCINOMA

Rwh Smits, I ten Hove, Eac Dronkers, GJ Puppels, Rj Baatenburg de Jong, Eb Wolvius, S Koljenovic; Erasmus MC University Medical Center, Rotterdam, The Netherlands

S340 OCCULT MALIGNANCY IN TONSILLECTOMY SPECIMENS - WHEN TO REMOVE ASYMMETRICAL TONSILS

Neil Sharma, MBChB, PhD, FRCS(ORL-HNS)¹, Paul Nankivell, MBChB, PhD, FRCS¹, Christopher Jennings, FRCS²; ¹University of Birmingham, ²University Hospital Birmingham

S341 MULTIDISCIPLINARY TREATMENT INCLUDING SELECTIVE INTRA-ARTERIAL CISPLATIN INFUSION FOR OROPHARYNGEAL CANCER OF LATERAL WALL

Yukio Nomoto, Takashi Matsuzuka, Satoshi Saijyo, Sou Sato, Hirohito Sato, Yuta Nakaegawa, Tetsuro Kobayashi, Masakazu Ikeda, Mika Nomoto, Masahiro Suzuki, Takamichi Matsui; Fukushima Medical University

S342 PAROTIDECTOMY VIA INDIVIDUALIZED MINIBLAIR INCISION

Avi Hefetz - Khafif, Victoria Holestenco, MD, Roi Barnea, PhD, Azoulay Ofer, MD; Assuta Medical Center, Tel Aviv, Israel

Proffered Papers: Metastasis

Tahoma 5

Moderators: Kevin T. Brumund, MD; William R. Ryan, MD

S343 LYMPH NODE DENSITY AS A PREDICTOR OF OUTCOMES IN HEAD AND NECK SQUAMOUS CELL CARCINOMA IN THE VETERAN POPULATION.

Matthew L Pierce, MD, Thomas Kaffenberger, BS, Catherine Lumley, MD, Jessica Maxwell, MD; Georgetown University Hospital

S344 COST-EFFECTIVENESS ANALYSIS OF ELECTIVE NECK DISSECTION IN PATIENTS WITH CLINICALLY NODE NEGATIVE ORAL CAVITY CANCER

Joseph R Acevedo, BS¹, Katherine E Fero, BS¹, Bayard Wilson, BS¹, Charles Coffey, MD², James D Murphy, MD, MS³; ¹School of Medicine, University of California, San Diego, ²Division of Head and Neck Surgery, University of California, San Diego, ³Department of Radiation Medicine, University of California, San Diego

S345 PREDICTIVE VALUE OF LEVEL I-III LYMPH NODE YIELD FOR THE NECESSITY OF ADJUVANT RADIOTHERAPY IN TONGUE CANCER

Zhien Feng, Zhengxue Han; Beijing Stomatological Hospital, Capital Medical University

S346 TRANSORAL ROBOTIC-ASSISTED SURGERY FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA: 5-YEAR SURVIVAL ANALYSIS

Julia A Crawford, MBBS, FRACS¹, Hilliary N White, MD², Thomas K Chung, MD³, Eric J Moore, MD⁴, Ryan Jackson, MD⁵, Lauren Kendall⁶, William Carroll, MD³, Eben Rosenthal, MD⁷, J Scott Magnuson, MD⁸; ¹St Vincent's Hospital, Sydney, ²Baptist Medical Group, ³University of Alabama Birmingham, ⁴Mayo Clinic Rochester, ⁵Washington University, ⁶University of Central Florida, ⁷Stanford Cancer Center, ⁸Florida Hospital

S347 PROGNOSTIC SIGNIFICANCE OF CLINICOPATHOLOGICAL FEATURES AND CELL CYCLE AND LOCAL INVASION PROTEINS IN ORAL SQUAMOUS CELL CARCINOMA AFFECTING YOUNG PATIENTS - A CASE-CONTROL STUDY

Marisol Miranda Galvis, MSc¹, Alan Roger Santos-Silva, PhD¹, Felipe Paiva Fonseca, PhD¹, Marcio A. Lopes, PhD¹, Oslei P. Almeida, PhD¹, Clóvis A. Lopes Pinto, PhD², Estela Kaminagakura, PhD³, Paul M. Speight, PhD⁴, Iris Sawazaki-Calone, PhD⁵, Luiz Paulo Kowalski, PhD⁶; ¹Department of Oral Diagnosis, Piracicaba Dental School, University of Campinas, Piracicaba, Brazil., ²Department of Anatomic Pathology, AC Camargo Cancer Center, São Paulo, Brazil., ³Departament of Bioscience and Oral Diagnosis, Science and Technology Institute, UNESP- Univ Estadual Paulista, São José dos Campos, Brazil., ⁴Academic Unit of Oral and Maxillofacial Pathology, School of Clinical Dentistry, The University of Sheffield, Sheffield, UK., ⁵Oral Pathology and Oral Medicine, Dentistry School, Western Paraná State University, Cascavel, Brazil., ⁶Department of Head and Neck Surgery and Otorhinolaryngology, AC Camargo Cancer Center, São Paulo, Brazil.

S348 BILATERAL NECK DISSECTION IN THYROID CANCER: A COMPREHENSIVE REVIEW OF COMPLICATIONS FROM A SINGLE HIGH-VOLUME CENTER

Caitlin McMullen, MD¹, Daniel Rocke, MD, JD², Jeremy Freeman, MD, FRSCS, FACS¹; ¹University of Toronto, ²Duke University

S349 ENDOSCOPIC ASSISTED SELECTIVE NECK DISSECTION VIA SMALL LATERAL NECK INCISION FOR EARLY-STAGE (T1-2N0M0) HEAD AND NECK SQUAMOUS CELL CARCINOMA: 3-YEAR FOLLOW-UP RESULTS

Faya Liang, MM, Song Fan, MD, Ping Han, MD, Qian Cai, MD, Peiliang Lin, MD, Renhui Chen, Shitong Yu, Xiaoming Huang, MD; Sun Yat-sen Memorial Hospital, Sun Yat-sen University

S350 SHIFTING PARADIGMS IN THE SURGICAL MANAGEMENT OF PHARYNGOESOPHAGEAL TUMOURS

Velda Chow, MD, MS; The University of Hong Kong

S351 A MODEL OF REGIONAL TUMOR METASTASIS OF SQUAMOUS CELL CARCINOMA OF THE TONGUE

Anthony B Law, MD, PhD, Hyunggu Jung, MS, MMath, Lucy L Wang, MS, Aaron Kusano, MD, MS, Mark E Whipple, MD, MS; University of Washington

3:00 pm - 3:30 pm **Break in Exhibit Hall** 4E

3:30 pm - 5:00 pm **PANELS OR PROFFERED PAPERS**

Panel: Systemic Therapy for Rare Head and Neck Cancers

4C-1-2

Moderator: Lillian L. Siu, MD

In this session, systemic therapy including novel agents for the treatment of less common head and neck cancers, such as aggressive salivary gland cancers, RAI resistant thyroid cancers, malignant melanoma, adenoid cystic and salivary gland cancers will be discussed.

Aggressive Salivary Gland Cancers - David J. Adelstein, MD

RAI resistant Thyroid Cancer - Marcia Brose, MD, PhD

Melanoma of the Head and Neck: Systemic Therapy for a Systemic Disease - Shailender Bhatia, MD

At the conclusion of this session, participants will be able to:

- Understand the characteristics of different rare disease types of the head and neck.
- Distinguish existent and novel systemic therapies for different rare diseases of the head and neck.
- Gather knowledge about existent and new clinical trials for different rare diseases of the head and neck.

Panel: Management of Larynx/Hypopharynx Cancer

4C-3

Moderator: June Corry, MD

The aim of this session is to better understand the optimal management for individual patients with larynx and hypopharynx cancer, concentrating on advanced disease.

Introduction - June Corry, MD

Open Surgical Approaches - Peter E. Andersen, MD

TALC Trial Results - Bevan Yueh, MD

Nonsurgical Management - Jonathan J. Beitler, MD, MBA, FACR**Conclusion - June Corry, MD**

At the conclusion of this session, participants will be able to:

- Compare the advantages and disadvantages of the current treatment modalities in advanced larynx and hypopharynx cancer
- Identify the limitations of various research techniques and publications
- Formulate an accurate management plan for the patients presenting to their clinical practice.

Panel: Challenges in Head and Neck Reconstruction: Now and the Future

4C-4

Moderators: Ralph W. Gilbert, MD & Mark K. Wax, MD

The session will use a case management format to discuss complex reconstructive issues and problems. Starting with scalp and skull base, the session will present issues that face reconstructive surgeons as they deal with mandibular, maxillary, airway, age and other issues.

Introduction - Mark K. Wax, MD**Complex Reconstruction in the Elderly - Mark K. Wax, MD****Complex Maxillary Reconstruction - Ralph W. Gilbert, MD****Complex Skull Base Reconstruction - James S. Brown, MD****Complex Airway Reconstruction - Mark L. Urken, MD****Complex Clival Reconstruction - Brian B. Burkey, MD, Med**

At the conclusion of this session, participants will be able to:

- Compare the various reconstructive options available for the elderly patient who is undergoing composite tissue ablation for head and neck cancer.
- Develop a treatment paradigm for defects of the maxilla
- Assess the role of 3D modeling in the reconstruction of the patient with a mandibular defect

Proffered Papers: Radiotherapy

Tahoma 1

Moderators: Wendy Hara, MD; Upendra Parvathaneni, MD; & Eddy S. Yang, MD, PhD

S360 RADIATION-INDUCED MICROVASCULAR INJURY AS A MECHANISM OF SALIVARY GLAND HYPOFUNCTION AND POTENTIAL TARGET FOR RADIOPROTECTORS

Aviram Mizrachi, MD¹, Ana P Cotrim, DDS, PhD², Marcel Verheij, MD, PhD³, Nora Katabi, MD¹, James B Mitchell, PhD², Adriana Haimovitz-Friedman, PhD¹; ¹Memorial Sloan-Kettering Cancer Center, ²National Cancer Institute, Radiation Biology Branch, Center for Cancer Research, ³The Netherlands Cancer Institute

S361 SUPERSELECTIVE INTRA-ARTERIAL CISPLATIN INFUSION WITH CONCOMITANT INTENSITY MODULATED RADIATION THERAPY FOR MAXILLARY SINUS CANCER

Masato Shino, Minoru Toyoda, Osamu Nikkuni, Yukihiro Takayasu, Kazuaki Chikamatsu; Department of Otolaryngology-Head & Neck surgery, Gunma University Graduate School of Medicine

S362 RECURRENT HEAD AND NECK CANCER: OUTCOMES FOLLOWING SALVAGE SURGERY AND ADJUVANT INTENSITY MODULATED RE-IRRADIATION

Vinita Takiar, MD, PhD¹, Adam S Garden, MD², David I Rosenthal, MD², Mark Zafereo, MD², Randall S Weber, MD², Jack Phan, MD, PhD²; ¹University of Cincinnati, ²University of Texas, MD Anderson Cancer Center

S363 QUALITY OF LIFE AND LOCOREGIONAL DISEASE CONTROL FOLLOWING STEREOTACTIC BODY RADIATION THERAPY IN PREVIOUSLY IRRADIATED RECURRENT HEAD AND NECK CANCER

Maged Ghaly, MD, Bingchan Zhang, MD, Anurag Sharma, Gurtej Gill, Mihaela Marrero, Sewit Teckie, MD, Doru Paul, MD; Hofstra Northwell School of Medicine

S364 ADJUVANT RADIATION THERAPY FOR ORAL CAVITY AND OROPHARYNGEAL CANCER PATIENTS WITH N1 DISEASE

Michelle M Chen, MD¹, Jeremy P Harris, MD¹, Wendy Hara, MD¹, Davud Sirjani², Vasu Divi, MD²; ¹Stanford University, ²Stanford University / Palo Alto VA

S365 ROLE OF ADJUVANT CHEMORADIOTHERAPY IN T4N0 STAGE IV ORAL CAVITY CANCER PATIENTS: AN ANALYSIS OF 4,089 PATIENTS FROM THE NATIONAL CANCER DATABASE (NCDB).

Diana Kirke, MD¹, Muhammad M Qureshi, MBBS, MPH², Scharukh Jalisi, MD¹, Waleed H Ezzat, MD¹, Andrew Salama, MD, DDS¹, Minh Tam Truong, MD¹; ¹Boston Medical Center, ²Boston University School of Medicine

S366 ADJUVANT RADIOACTIVE IODINE VERSUS EXTERNAL BEAM RADIATION IN STAGE IV DIFFERENTIATED THYROID CARCINOMA: A COMPARISON OF SURVIVAL OUTCOMES

Zao Yang, MD, Jose Flores, PhD, MPH, Sanford Katz, MD, Cherie-Ann Nathan, MD, FACS, Vikas Mehta, MD, MPH, FACS; Louisiana State University - Shreveport

S367 SINGLE CYCLE INDUCTION CHEMOTHERAPY FOR RESECTABLE ADVANCED HYPOPHARYNGEAL CANCER

Torahiko Nakashima, MD, Ryuji Yasumatsu, MD, Ryunosuke Kogo, Hideoki Uryu, Takashi Nakagawa; Kyushu University

S368 ROLE OF EPHB4 IN RADIOSENSITIZATION OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Shilpa Bhatia, PhD¹, Kellen Hirsch, BS¹, Jaspreet Sharma, PhD¹, Stephen Keysar¹, Antonio Jimeno, MD, PhD¹, Parkash Gill, MD², Xiao-Jing Wang, MD, PhD¹, Sana D Karam, MD, PhD¹; ¹University of Colorado, Anschutz Medical Campus, ²University of Southern California

Proffered Papers: Oral Cavity III

Tahoma 2

Moderators: Ayman A. Amin, MD & Joseph Helman, DMD

S369 A PROSPECTIVE STUDY EVALUATING PATTERNS OF TUMOR RESPONSE FOLLOWING NEOADJUVANT CHEMOTHERAPY IN LOCALLY ADVANCED ORAL CAVITY CANCERS

Anuja D Deshmukh, Shubhada Kane, Asawari Patil, Harsh Dhar, Rakesh Katna, Devendra Chaukar, Pankaj Chaturvedi, Prathmesh Pai, Gouri Pantvaitya, Deepa Nair, Sudhir Nair, Sarbani Laskar, Jaiprakash Agarwal, Supreeta Arya, Shashikant Juvekar, Amit Joshi, Kumar Prabhash, Anil D'Cruz; Tata Memorial Centre

S370 LIHNCS (LUGOL'S IODINE IN HEAD AND NECK CANCER SURGERY) A UK MULTICENTRE PROSPECTIVE RANDOMISED CONTROLLED TRIAL. REPORT OF PRIMARY AND SECONDARY OUTCOME MEASURES.

James A McCaul, PhD, FRCSOMFS, FRCS, FIBCSOMS, FDSRCPs.

MB¹, David Goulesbrough, FRCPath, MBChB², Max Robinson, PhD, MSc, FRCPath, FDSRCS, BDS³, Jeremy D McMahon, FRCOMFS, FRCS, FDSRCPs, MBBS, BDS⁴, Janet Dunn, PhD, MSc, BSc⁵; ¹The Royal Marsden, ²Bradford Teaching Hospital NHS Foundation Trust, ³University of Newcastle, ⁴Regional Maxillofacial Unit, Queen Elizabeth University Hospital, Glasgow UK, ⁵University of Warwick Clinical Trials Unit

S371 SIZE MATTERS IN T4A ORAL SQUAMOUS CELL CARCINOMA WITH MANDIBLE INVASION: AN ANALYSIS OF PROGNOSIS AND THE ROLE FOR ADJUVANT RADIATION THERAPY

Andrew Walls¹, Andres Bur, MD², Robert M Brody, MD², Alexander Lin, MD², Gregory Weinstein, MD²; ¹Georgetown University School of Medicine, ²Hospital of the University of Pennsylvania

S372 TUMOR THICKNESS AND DEPTH OF INVASION AS NECK METASTASES PREDICTORS AND POTENTIAL STAGING PARAMETERS IN T1 ORAL CANCER

Saad Baqai, MD, Norbert Sule, MD, Wei Tan, Hassan Arshad, MD, Mary Platek, PhD, Mihai Merzianu, MD; Roswell Park Cancer Institute

S373 THE ROLE OF SURGERY IN BORDERLINE INOPERABLE/ T4B HEAD AND NECK CANCERS - DISEASE AND FUNCTIONAL OUTCOME ASSESSMENT

Irish Shetkar, MDS, Fellowship, Head, Neck, Surgery, Nirav Trivedi, MS, MCh, Nishant Upadhyay, MDS, Fellowship, Head, Neck, Surgery; Narayana Multispecialty Hospital

S374 PREDICTORS OF OCCULT NODAL DISEASE IN ORAL CAVITY SQUAMOUS CELL CARCINOMA, AN ANALYSIS OF 34,906 CASES.

Kevin Y Zhan, MD, Patrick F Morgan, MD, David M Neskey, MD, Andrew T Huang, MD, Terry A Day, MD; Medical University of South Carolina

S375 CLINICAL CORRELATION OF DYSPLASTIC SURGICAL MARGINS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Yohanes Ting, MBBS (Spore), MRCS (Edin)¹, Nadia Azlan², Pei Yuan Fong², Donovan Eu¹, Chwee Ming Lim¹; ¹National University Health System Singapore, ²National University of Singapore

S376 DYNAMIC OPTICAL CONTRAST IMAGING (DOCI) AS A NOVEL MODALITY TO RAPIDLY DISTINGUISH ORAL SQUAMOUS CELL CARCINOMA FROM SURROUNDING NORMAL TISSUE

Maie St. John, Zachary Taylor, PhD, Harrison Cheng, BS, Warren Grundfest, MD; UCLA

S377 POTENTIAL IMPROVEMENT OF ONCOLOGICAL TONGUE RESECTIONS, USING AN IN VITRO RAMAN-SPECTROSCOPY BASED TUMOR VERSUS SUBEPITHELIAL HEALTHY TISSUE CLASSIFICATION MODEL

Froukje Cals, Tom Bakker Schut, Roeland Smits, José Hardillo, Robert J. Baatenburg de Jong, Senada Koljenovic, Gerwin Puppels; Erasmus MC

Proffered Papers:

Tahoma 3

Outcomes/Quality of Life II

**Moderators: Athanasios Argiris, MD;
Rogerio A. Deditis, MD; &
Laurence J. Dinardo, MD**

S378 IMPACT OF PATIENT-CENTERED HEAD & NECK CLINICAL PATHWAY ON HCAHPS PATIENT SATISFACTION WITH IMPLICATIONS FOR VALUE-BASED PURCHASING

Kelly M Malloy, MD¹, Robert J Morrison, MD¹, Carrie Phillips, BSN, MSN¹, Karen C McConnell, BSN, MPH¹, Douglas B Chepeha, MD, MSPH², Carol R Bradford, MD¹; ¹University of Michigan, ²University of Toronto

S379 CONSENSUS REVIEW OF OPTIMAL PERIOPERATIVE CARE IN MAJOR HEAD AND NECK SURGERY WITH FREE FLAP RECONSTRUCTION

Joseph C Dort, MD¹, D. Gregory Farwell, MD², Merran Findlay, MSc³, Gerhard Huber, MD⁴, Paul Kerr, MD⁵, Melissa Shea-Budgell, MSc¹, Christian Simon, MD⁶, Jeffrey Uppington, MD², David Zygum, MD⁷, Olle Ljungqvist, MD⁸, Jeffrey Harris, MD⁷; ¹University of Calgary, ²University of California Davis, ³Royal Prince Alfred Hospital, Sydney, ⁴University of Zurich, ⁵University of Manitoba, ⁶University Hospital of Lausanne, ⁷University of Alberta, ⁸Orebro University

S380 SYSTEMATIC ASSESSMENT OF PUBLICLY AVAILABLE QUALITY AND OUTCOME METRICS FOR HEAD AND NECK CANCER CARE IN THE UNITED STATES

Ankit Kansal, Saral Mehra, MD; Yale University

S381 IMPROVING QUALITY METRICS AFTER MAJOR HEAD AND NECK AND RECONSTRUCTIVE SURGERY: A CONNECTED CARE PATHWAY PILOT STUDY

Samuel J Trostman, MD, Conor M Devine, MD, Brian B Burkey, MD, Eric D Lamarre, MD; Cleveland Clinic Foundation

S382 SMOKING AS A RISK FACTOR FOR 30-DAY READMISSION IN PATIENTS UNDERGOING NECK DISSECTION

Garren M Low¹, Braden McKnight¹, Nancy Wang², Niels Kokot, MD¹, Arnaud Bewley²; ¹Keck Medicine of USC, ²University of California, Davis

S383 THE IMPACT OF TREATMENT ON QUALITY OF LIFE OF PATIENTS WITH HEAD AND NECK CANCER AND ITS ASSOCIATION WITH PROGNOSIS

Jose F Carrillo¹, Lilitiana C Carrillo, MD¹, Margarita C Ramirez, PhD², Luis F Oñate-Ocaña, MD¹; ¹Instituto Nacional de Cancerologia, ²Instituto Nacional de Cardiologia Ignacio Chavez

S384 CLASSIFYING COMPLICATION SEVERITY AFTER HEAD AND NECK SURGERY: AN ANALYSIS OF THE AMERICAN COLLEGE OF PHYSICIANS NATIONAL SURGICAL QUALITY IMPROVEMENT PROGRAM DATA

Carolyn L Mulvey, MD, Andrés M Bur, MD, Robert M Brody, MD, Jason G Newman, Steven B Cannady, MD, Jason A Brant; Hospital of the University of Pennsylvania

S386 EVALUATION OF QUALITY METRICS FOR SURGICALLY-TREATED LARYNGEAL SQUAMOUS CELL CARCINOMA

Evan M Graboyes, MD, Melanie E Townsend, MD, Dorina Kallogjeri, MD, MPH, Jay F Piccirillo, MD, FACS, CPI, Brian Nussenbaum, MD, FACS; Washington University School of Medicine

Proffered Papers:

Tahoma 4

New Therapeutic Targets II

Moderators: Edward C. Gabalski, MD ;
Michael Gibson, MD, PhD; &
Richard J. Wong, MD

S387 DEVELOPING COMBINATION ANTI-EGFR THERAPIES THROUGH THE GENERATION OF GENOME-WIDE CRISPR-CAS9 MEDIATED KNOCKOUT LIBRARIES IN HEAD AND NECK CANCER CELL LINES

Megan L Ludwig, Andrew C Birkeland, MD, Andi K Cani, Daniel H Hovelson, Susan K Foltin, Thomas E Carey, PhD, Carol R Bradford, MD, Matthew E Spector, MD, Scott A Tomlins, MD, PhD, J. Chad Brenner, PhD; University of Michigan

S388 RECRUITMENT OF PATIENTS INTO HEAD AND NECK CLINICAL TRIALS: ACCEPTABILITY OF STUDIES BY PATIENTS FROM THE RESEARCH TEAM'S PERSPECTIVE

Michael W Ho, Mr¹, Janet Johnson, RN², Andrew Pick, RN², Jacqueline Quantrill, Mrs², Kayleigh Gilbert³, James McCaul, Prof⁴; ¹Leeds Teaching Hospitals NHS Trust, ²Bradford Institute of Health Research, ³Northwick Park Hospital, ⁴Royal Marsden Hospital

S389 TARGETING IL-6 SIGNALING WITH BAZEDOXIFENE FOR THE TREATMENT OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Arti Yadav, MS, Bhavna Kumar, MS, Theodoros N Teknos, MD, Pawan Kumar, MS, PhD; Department of Otolaryngology-Head and Neck Surgery, The Ohio State University, Columbus, OH

S390 PHASE IIB TRIAL COMPARING TWO CONCURRENT CISPLATIN SCHEDULES IN LOCALLY ADVANCED HEAD AND NECK CANCER

Cessal T Kainickal, MD, Rejnish R Kumar, MD, Lekha M Nair, MD, Malu M Rafi, DNB, Ramadas Kunnambath, MD, PhD; Regional Cancer Centre ,Trivandrum

S391 EFFICACY AND FEASIBILITY OF CONCOMITANT CHEMORADIOTHERAPY USING DOCETAXEL, CISPLATIN AND 5-FU (TPF) FOR THE PATIENTS WITH ADVANCED SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK

Kiyoto Shiga, MD, Katsunori Katagiri, MD, Daisuke Saitoh, MD, Shin-ichi Oikawa, MD, Aya Ikeda, MD; Iwate Medical University

S392 TARGETED DELIVERY OF THE ALPHA-SPECIFIC INHIBITOR OF PI3K BYL719 FOR RADIOSENSITIZATION OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Aviram Mizrachi, MD, Yosef Shamay, PhD, Samuel Brook, BA, Janki Shah, MSc, José Baselga, MD, PhD, Daniel A Heller, PhD, Adriana Haimovitz-Friedman, PhD, Maurizio Scaltriti, PhD; Memorial Sloan-Kettering Cancer Center

S393 ANTI-TUMOR ACTIVITY OF SMAC MIMETIC BIRINAPANT IS ENHANCED BY TNF-A AND TRAIL IN PRECLINICAL MODELS OF HNSCC: FADD AS A POTENTIAL BIOMARKER

Adeeb Derakhshan, Sophie Carlson, Anthony Saleh, Hui Cheng, James Mitchell, Christina Annunziata, Zhong Chen, Carter Van Waes; National Institutes of Health

S394 PARP-1 FACILITATES HPV16 INFECTION AND CARCINOGENESIS IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Andrew B Sewell, MD, Asel Bitasova, MD, PhD, Michael Hajek, BS, Cyril Gary, BS, Wendell G Yarbrough, MD, MMHC, Natalia Issaeva, PhD; Yale University

Proffered Papers: Larynx I

Tahoma 5

Moderators: Lana L. Jackson, MD; Ellie Maghami, MD; & Michiel Van Den Brekel, MD, PhD

S352 THE ROLE OF THE IMAGING STUDIES IN THE FOLLOW UP OF INTERMEDIATE-ADVANCED STAGE (T2-T3) LARYNGEAL CARCINOMAS TREATED BY TRANSORAL LASER MICROSURGERY.

Filippo Marchi, MD¹, Giovanna Gaggero, MD¹, Sara Penco, MD¹, Gregori Santori, PhD, MD², Luca Guastini, MD¹, Giorgio Peretti, MD¹; ¹Department of Otorhinolaryngology Head and Neck Surgery, University of Genoa, ²Department of Surgical Sciences and Integrated Diagnostics, University of Genoa

S354 HIGH INTRA-TUMOR GENETIC HETEROGENEITY IS RELATED TO SHORTER OVERALL SURVIVAL IN SURGICALLY TREATED, MARGIN-NEGATIVE, STAGE II AND III LARYNGEAL SQUAMOUS CELL CARCINOMA

James Bekeny, MD¹, Jorge Toro-Zapata, BSc², Edmund Mroz, PhD¹, James Rocco, MD, PhD¹; ¹Department of Otolaryngology - Head and Neck Surgery, and the James Cancer Hospital and Solove Research Institute, The Ohio State University, Columbus, OH, ²Biomedical Sciences Graduate Program, The Ohio State University, Columbus, OH

S355 RELATIONSHIP OF PRE-TREATMENT TRACHEOTOMY IN ADVANCED LARYNGEAL SQUAMOUS CELL CARCINOMA ON ONCOLOGIC SURVIVAL AND FUNCTIONAL OUTCOMES IN A MULTI-INSTITUTIONAL COHORT

Serena A Byrd, MD¹, Mary Xu², Matt Naunhiem², Daniel Wehrmann¹, John Dombrowski¹, Ronald Walker¹, Kara Christopher¹, Lori Wirth², John Clark², Paul Busse², Annie Chan², Dan Deschler², Kevin Emerick², Derek Lin², Mark A Varvares, MD²; ¹Saint Louis University, ²Harvard

S356 OUTCOMES FOLLOWING LARYNGECTOMY REFUSAL AFTER INSUFFICIENT RESPONSE TO INDUCTION CHEMOTHERAPY IN A LARYNX PRESERVATION PROTOCOL FOR SQUAMOUS CELL CARCINOMA OF THE LARYNX

Philippe Gorphe, MS, MSc, Margarida Matias, MD, Pierre Blanchard, MD, PhD, Antoine Moya-Plana, MD, MSc, Caroline Even, MD, MSc, Yungan Tao, MD, PhD, François Bidault, MD, PhD, Stéphane Temam, MD, PhD, François Janot, MD; Gustave Roussy Cancer Center

S357 OVERALL SURVIVAL FOR T4 LARYNX CANCER DOES NOT SIGNIFICANTLY DIFFER BETWEEN LARYNGECTOMY WITH RADIOTHERAPY AND INDUCTION CHEMOTHERAPY WITH RADIOTHERAPY, A NATIONAL CANCER DATA BASE ANALYSIS

William A Stokes, MD, Bernard L Jones, PhD, Sana D Karam, MD, PhD; University of Colorado Denver

S358 EXAMINATION OF LARYNGEAL PRESERVATION SURGERY FOR HYPOPHARYNGEAL CANCER

Shinkichi Morita, Kazuto Matuura, Shun Wakamori, Takayuki Imai, Yukinori Asada; Miyagi Cancer Center

S359 RISK FACTORS FOR PHARYNGOCUTANEOUS FISTULA FOLLOWING PRIMARY AND SALVAGE TOTAL LARYNGECTOMY: DOES THE EXTENT OF NECK DISSECTION INCREASES THE INCIDENCE OF FISTULA FORMATION?

Ariel Roitman, MD, Tal Honigman, MD, Yoav Yanir, MD, Ilana Doweck, MD; Lady Davis Carmel Medical Center; Haifa, Israel

5:15 pm - 6:30 pm **Fellowship Information Session** Tahoma 1

5:15 pm - 6:30 pm **Bristol-Myers Squibb Satellite Symposium: Immuno-Oncology: Emerging Research in Head and Neck Cancers** Room 4C3

Bristol-Myers Squibb Satellite Symposium: Immuno-Oncology: Emerging Research in Head and Neck Cancers

This is a NON-CME activity and was not planned by AHNS. AHNS takes no responsibility for the content.

7:15 pm - 9:30 pm **AHNS President's Reception at Experience Music Project** EMP Museum

Continual shuttle service is available for the duration of the event. Shuttles will begin loading at 6:45pm outside the entrance to the Convention Center on Convention Place.

Wednesday, July 20, 20167:30 am - 8:15 am **Ethics and Professionalism Symposium** 4F**Moderators: Susan D. McCammon, MD & Andrew G. Shuman, MD****Personalized Medicine:****Risk Tolerance and Stratification -****Andrew G. Shuman, MD****Un-cancering the Thyroid -****Brendan C. Stack, MD****The Evolving Role of the Surgeon in Palliative Care -****Susan D. McCammon, MD****Escalating Support for Providers in the Modern Era -****Michael Stadler, MD**8:15 am - 8:30 am **Closing Comments** 4F**Robert L. Ferris, MD, PhD; Jonathan Irish, MD; and Jeffrey N. Myers, MD, PhD**8:30 am - 9:15 am **Christopher O'Brien Lecture** 4F***The Right to Look Human: Head and Neck Surgery in the Developing World*****Mark G. Shrime, MD, MPH, PhD****Massachusetts Eye and Ear Infirmary, Harvard Medical School
Boston, MA****Introduction by: Cherie-Ann O. Nathan, MD, FACS**9:15 am - 9:30 am **Break in Foyer**9:30 am - 11:00 am **PANELS OR PROFFERED PAPERS****Proffered Papers:** 4F**Skin Cancer and Salivary Gland****Moderators: Shomit Chopra, MD, MBBS, MS****S395 TMEM16A/ANO1 INHIBITS APOPTOSIS BY DOWN-REGULATING BIM EXPRESSION****Neal R Godse, BS¹, Nayel I Khan², Zachary A Yochum¹, Carolyn Kemp², Daniel J Shiwerski², Raja S Seethala³, Timothy F Burns⁴, Umamaheswar Duvvuri²; ¹University of Pittsburgh, School of Medicine, ²University of Pittsburgh Medical Center, Department of Otolaryngology, ³University of Pittsburgh Medical Center, Department of Pathology, ⁴University of Pittsburgh Medical Center, Department of Medicine, Division of Hematology-Oncology****S397 CIRCULATING TUMOUR CELLS IN METASTATIC CUTANEOUS SQUAMOUS CELL CARCINOMA****Bruce Ashford¹, Tia Morrison¹, Marie Ranson¹, Jonathan Clark², Iyer Gopal³, Ruta Gupta⁴, Kevin Spring⁵; ¹University of Wollongong, ²Lifeline at RPA, ³NCCS Singapore, ⁴University of Sydney, ⁵Ingham Institute**

S398 SENTINEL LYMPH NODE BIOPSY FOR CUTANEOUS SQUAMOUS CELL CARCINOMA ON THE HEAD AND NECK

Alison B Durham, MD, Lori Lowe, MD, Kelly M Malloy, MD, Jonathan B McHugh, MD, Carol R Bradford, MD, Heather Chubb, MS, Timothy M Johnson, MD, Scott A McLean, MD, PhD; University of Michigan

S399 FULL-THICKNESS SKIN GRAFT RECONSTRUCTION OF SCALP DEFECTS

Scott A McLean, MD, PhD; University of Michigan

S400 FACIAL NERVE MONITORING DURING SUPERFICIAL AND PARTIAL PAROTIDECTOMY - PRELIMINARY REPORT OF A PROSPECTIVE STUDY.

Aginaldo J Graciano, MD¹, Carlos T Chone, MD, PHD¹, Carlos A Fischer, MD², Graciela Pinto, MD², Eric H Taninaka, MD¹, Pablo S Gomes Pereira, MD¹; ¹Faculty of Medicine - Campinas State University, ²Hospital Sao Jose - Joinville

S401 NOTCH SIGNALING PATHWAYS PLAY AN IMPORTANT ROLE IN THE DEVELOPMENT OF AGGRESSIVE SALIVARY GLAND NEOPLASMS

Rizwan Masood, PHD, Oliver Gantz, MD, Jennifer Brooks, MD, Uttam Sinha, MD; USC

S402 CAVEATS IN THE EVALUATION OF PAROTID LESIONS WITH FINE NEEDLE ASPIRATION CYTOLOGY AND FROZEN SECTION

Jia Hui Ng, MBBS, MRCS, Edin¹, Samuel Tham², Nishanth Thiagarajan², Ramesh Wijaya²; ¹Singhealth, ²National University of Singapore, ³Changi General Hospital

Panel: Actionable Therapy Based on TCGA Data

4C-1-2

Moderator: Jennifer R. Grandis, MD

This session will focus on the translational potential (and limitations) of exploiting genomic and epigenomic HNSCC data (such as TCGA) to guide clinical practice. Specific topics will include alternative splicing variants in HPV positive HNSCC, validation in patient-derived HNSCC primary cultures, targeting codependencies, and precision oncology of recurrent/metastatic disease.

Overview of TCGA Data and Translational Challenges -

Jennifer R. Grandis, MD

Defining Targetable Alternative Splicing Variants

in HPV Positive Oropharynx Cancer -

Joseph A. Califano, MD

Towards Precision Oncology: Leveraging Public Datasets

as a Pipeline for Target Discovery and Validation in

Patient-Derived HNSCC Primary Cultures -

Eduardo Mendez, MD

Targeting Codependencies in

Head and Neck Cancer -

Mitchell J. Frederick, PhD

Implementation of a Clinical Genomics Assay into Routine Head and Neck Oncology Care at MSKCC -

Luc G.T. Morris, MD MSc

At the conclusion of this session, participants will be able to:

- Recognize the kind of data in TCGA
- Select when mutation testing may be helpful in the care of HNSCC patients
- Identify the limits of available precision medicine approaches

Panel: The Science of HPV

4C-3

Moderator: Denise Galloway, PhD

There is clear evidence that human papillomaviruses (HPVs) play an etiologic role in the development of a subset of Head and Neck squamous cell cancers (HNSCC). Numerous studies have shown that HPV positive HNSCC have a better outcome than HPV negative cancers. In this session we will examine strategies that focus on vulnerabilities specific to HPV.

Clinical Outcomes of HPV Positive HNSCC -

Carole Fakhry, MD, MPH

Potential New Therapies for HPV Positive HNSCC -

Wendell G. Yarbrough, MD, MMHC

Inhibition of DNA Repair by HPV 16 -

Denise Galloway, PhD

Mechanisms of Immune Tolerance Induced by HPV 16 -

John H. Lee, MD

Reversal of Immune Escape by Reactivating Langerhans Cells -

Martin Kast, PhD

At the conclusion of this session, participants will be able to:

- Recognize how HPV positive HNSCC differ from virus negative HNSCC.
- Identify how HPV promotes genetic instability.
- Assess immune strategies for HPV positive HNSCC.

Panel: Management of the Neck – New and Emerging Issues

4C-4

Moderators: Terry A. Day, MD & Dan M. Fliss, MD

This panel will discuss current state-of-the-art management of the neck in oral, oropharyngeal cancers including post chemoradiation evaluation, transoral surgery, early oral cancer, sentinel lymph node biopsy, and pathologic prognostic indicators.

Introduction: Management of the Neck: New and Emerging Issues -

Terry A. Day, MD

Background: Management of the Neck: Current Standard of Care -

Dan M. Fliss, MD

Changing Paradigms: Managing the Neck After Preoperative Chemotherapy -

Trevor G. Hackman, MD

Management of the Neck in Transoral Surgery -

Gregory S. Weinstein, MD

Management of the Neck After Chemoradiation -

Hisham Mehanna, PhD, MD

Prognostic Parameters in Neck Dissection Specimens -

Simion Chiosea, MD

At the conclusion of this session, participants will be able to:

- Plan the timing and role of neck dissection following chemoradiation.
- Interpret pathologic findings from the cervical lymph nodes in order to produce a plan for optimal cure in head and neck cancer.

- Illustrate how transoral surgery has an effect on the timing and role of neck dissection.

Proffered Papers: Thyroid/Parathyroid II Tahoma 1

Moderators: **Jeffrey M. Bumpous, MD;**
Joseph M. Curry, MD; Vikas Mehta, MD; &
Edmund Deazevedo Pribitkin, MD

S403 ANESTHESIA-INDUCED INCREASES IN INTRAOPERATIVE PARATHYROID HORMONE LEVELS IN HEAD AND NECK ENDOCRINE SURGERY

David S Kim, MD, Robert C Wang, MD; University of Nevada School of Medicine

S404 BASELINE IOPTH LEVELS IN PARATHYROID SURGERY

William S Duke, MD, Wilson I Omesiete, BS, David J Terris, MD; Augusta University

S405 DYNAMIC OPTICAL CONTRAST IMAGING (DOCI): AN IMAGING TECHNIQUE TO DIFFERENTIATE PARATHYROID TISSUE FROM SURROUNDING TISSUES

Maie St. John, MD, PhD, Irene Kim, MD, Zachary Taylor, PhD, Harrison Cheng, BS, Christine Sebastian, BS, Michael Yeh, MD, Warren Grundfest; UCLA

S406 TRACHEAL AND CRICO-TRACHEAL RESECTION AND ANASTOMOSIS FOR THYROID CANCER INVOLVING THE AIRWAY: A SYSTEMATIC REVIEW AND META-ANALYSIS

Cesare Piazza¹, Valentina Claps¹, Loredana Covolo², Alberto Paderno¹, Francesca Del Bon¹, Paola Grazioli¹, Pietro Perotti¹, Davide Lombardi¹, Francesco Donato², Piero Nicolai¹; ¹Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy, ²Department of Hygiene, Epidemiology and Public Health, University of Brescia, Brescia, Italy

S407 MALIGNANCY RATES FOR RAS MUTATION POSITIVE INDETERMINATE THYROID NODULES ARE INSTITUTIONALLY VARIABLE

Hunter Underwood, MD¹, Ronald Ghossein, MD², Jennifer Ogilvie, MD¹, Anna Kundel¹, Steven Hodak¹, Kepal N Patel, MD¹; ¹NYU Langone Medical Center, ²Memorial Sloan-Kettering Cancer Center

S408 COMPARING THE EFFICACY AND SURGICAL OUTCOMES OF HARMONIC® SCALPEL VS. LIGASURE® SMALL JAW IN THYROID AND PARATHYROID SURGERY

Taha Hassoon, MD, Daniah Bu Ali, MD, Fadi Murad, MD, Muhammad Anwar, MBBS, Roostam Kholmatov, MD, Zaid Al-qurayshi, MD, Rizwan Aslam, DO, Emad Kandil, MD; Tulane Medical School-University

S409 MANAGEMENT AND SIGNIFICANCE OF INCIDENTALLY DIAGNOSED METASTATIC PAPILLARY THYROID CARCINOMA IN NECK DISSECTION SPECIMENS

Magis Mandapathil, MD, Snehal Patel, MD, Ian Ganly, MD, Jatin P Shah, MD; Memorial Sloan Kettering Cancer Center

S410 IMPORTANCE OF FNA TECHNIQUE FOR POTENTIALLY DECREASING NON-DIAGNOSTIC RATES IN THYROID NODULES

Amarbir S Gill, MD¹, Richard Amdur, PhD², Arjun S Joshi, MD²; ¹University of California, Davis, ²The George Washington University, School of Medicine

S411 FEASIBILITY OF AN OUTPATIENT THYROIDECTOMY PROTOCOL IN A FIRST LEVEL HOSPITAL IN COLOMBIA.

Diana Perez¹, Marcela Marulanda¹, Alvaro Sanabria²; ¹Department of Surgery, Universidad de Antioquia, ²Department of Surgery, Universidad de Antioquia. Hospital Pablo Tobon Uribe

Proffered Papers: Larynx II

Tahoma 2

Moderators: Ilana Doweck, MD; Andrew McWhorter, MD; & Liana Puscas, MD

S412 FINDINGS OF THE TREATMENT OF ADVANCED LARYNGEAL CANCER (TALC) COHORT

Bevan Yueh¹, Patricia Fernandes¹, Jonas Johnson²; ¹University of Minnesota, ²University of Pittsburgh

S413 LYMPH NODE RATIO IS A BETTER PREDICTOR OF SURVIVAL THAN NODAL STATUS - A SEER ANALYSIS OF LARYNGEAL CANCER PATIENTS

Thomas K Chung, Russel Kahmke, Harishanker Jeyarajan, Erin J Partington, MD, Benjamin Greene, Brian Hughley, William Carroll; University of Alabama at Birmingham

S415 DEFINITIVE CHEMORADIOTHERAPY VS SURGERY-BASED THERAPY IN RESECTABLE STAGE III/IV HYPOPHARYNGEAL CANCER: LONG-TERM RESULTS OF A MULTICENTER REVIEW OF 300 CASES

Eun-Jae Chung¹, Woo Jin Jeong¹, Young Ho Jung¹, Seong Keun Kwon¹, J. Hun Hah¹, Tack-Kyun Kwon¹, Soon Hyun Ahn¹, Myung-Whun Sung¹, Kwang Hyun Kim¹, Dae-Seog Heo², Hong-Gyun Wu³, Young-Soo Rho⁴; ¹Department of Otorhinolaryngology - Head and Neck Surgery, Seoul National University Hospital, ²Department of Internal Medicine, ³Department of Radiation Oncology, ⁴Department of Otorhinolaryngology-Head and Neck Surgery, Ilsong Memorial Head and Neck Cancer Hospital, Hallym University, College of Medicine

S416 TRENDS IN POST-OPERATIVE MANAGEMENT OF TOTAL LARYNGECTOMY PATIENTS

Omar H Ahmed, MD¹, Dylan R Roden, MD, MPH¹, David Myssiorek, MD¹, Cherie-Ann O Nathan, MD², Yixin Fang, PhD¹; ¹New York University Dept of Otolaryngology/ Head and Neck Surgery, ²Louisiana State University, Shreveport Department of Otolaryngology/ Head and Neck Surgery

S417 SURVIVAL DIFFERENCES FOR SURGERY VS. RADIATION IN T1 GLOTTIC SQUAMOUS CELL CARCINOMA: A SEER ANALYSIS

Jennifer Christenson, DO, Mary E Platek, PhD, Zain Ashary, BS, Anurag K Singh, MD, Adrienne Groman, MS, Shiva Dibaj, MS, David Cohen, MD, Moni A Kuriakose, Welsley L Hicks Jr, MD, Vishal Gupta, MD, Christina Mimikos, DO, Kimberly Wooten, MD, Hassan Arshad, MD; Roswell Park Cancer Institute

S418 PERSONALIZATION OF OPERATIVE RISK IN LARYNGECTOMY: IS MODIFIED FRAILTY INDEX PREDICTIVE?

Brandon Wachal, MD¹, Matthew Johnson, MD¹, Alissa Burchell, BSE², Harlan Sayles, MS³, Katherine Rieke, MPH, MA³, Robert H Lindau, MD⁴, William Lydiatt, MD⁴, Aru Panwar, MD⁴; ¹Division of head and neck surgery, University of Nebraska Medical Center, Omaha, Nebraska, ²College of Medicine, University of Nebraska Medical Center, Omaha, Nebraska, ³College of Public Health, University of Nebraska Medical Center, Omaha, Nebraska, ⁴Division of head and neck surgery, University of Nebraska Medical Center & Nebraska Methodist Hospital, Omaha, Nebraska

S419 COMPLICATIONS AND HOSPITAL LENGTH OF STAY AFTER TOTAL LARYNGECTOMY

Ryan P Goepfert, MD, Katherine A Hutcheson, PhD, Jan S Lewin, Neha G Desai, BDS, Mark E Zafereo, MD, Amy C Hessel, MD, Neil D Gross, MD; University of Texas MD Anderson Cancer Center

S420 DETERMINING THE ROLE OF NECK DISSECTION IN PATIENTS WITH RECURRENT LARYNGEAL CARCINOMA UNDERGOING SALVAGE LARYNGECTOMY

Crystal Cheong, MD, Chwee-Ming Lim, MD, Kwok Loh, MD; National University Health System, Singapore

Proffered Papers: Reconstruction IV

Tahoma 3

Moderators: Chase M. Heaton, MD; Kelly M. Malloy, MD; & Mauricio A. Moreno, MD

S421 A COMPARISON OF THE EFFICACY AND COMPLETENESS OF IN-PERSON AND REMOTE VIDEO TELEHEALTH MONITORING FOLLOWING HEAD AND NECK FREE TISSUE TRANSFER

A Sean Alemi, MD, Rahul Seth, MD, Chase M Heaton, MD, Steven J Wang, MD, P Daniel Knott, MD; UCSF

S422 SAFELY MINIMIZING LENGTH OF HOSPITAL STAY IN PATIENTS UNDERGOING FREE TISSUE TRANSFER.

Dane M Barrett, MD, MBA, Christopher J Boyd, BS, Mark J Jameson, MD, PhD; University of Virginia School of Medicine

S423 THE RELATIONSHIP BETWEEN PERIOPERATIVE HYPERGLYCEMIA AND POSTOPERATIVE COMPLICATIONS IN HEAD AND NECK CANCER PATIENTS UNDERGOING LARGE BULK TISSUE TRANSFER

Paul R Wistermayer, BS, Matthew L Rohlfing, BS, Ashley C Mays, MD, Scott Isom, MS, Joshua D Waltonen, MD; Wake Forest School of Medicine, Otolaryngology, Winston-Salem, NC, USA

S424 PREDICTORS OF MAJOR POSTOPERATIVE COMPLICATIONS IN PATIENTS UNDERGOING HEAD AND NECK SURGERY WITH FREE FLAP REPAIR

J McMahon, C Wales, C MacIver, J Devine, T Handley, A Bobinskas, E Thomson, S Hislop; Queen Elizabeth University Hospital

S425 OUTCOMES FOLLOWING MICROVASCULAR FREE FLAP RECONSTRUCTION FOR SKULL BASE AND CRANIAL VAULT OSTEORADIONECROSIS

Steven B Chinn, MD, MPH¹, Juan P Liao¹, Jourdain D Artz¹, Paul W Gidley, MD¹, Franco DeMonte, MD¹, Ehab Y Hanna, MD¹, Erich M Sturgis, MD¹, Roman J Skoracki, MD², Peirong Yu, MD¹, Matthew M Hanasono, MD¹; ¹University of Texas, M.D. Anderson Cancer Center, ²The Ohio State University, Department of Plastic Surgery

S426 LASER ASSISTED INDOCYANINE GREEN DYE ANGIOGRAPHY TO PREDICT POSTOPERATIVE FISTULA AFTER SALVAGE LARYNGECTOMY

Erin Partington, MD¹, Russell Kahkme, MD¹, Stephanie Bevans¹, Jason Warram, PhD¹, William Carrolll, MD¹, Eben Rosenthal, MD², Benjamin Greene, MD¹; ¹University of Alabama- Birmingham, ²Stanford University

S427 FREE TISSUE TRANSFER TO THE AERODIGESTIVE TRACT WITH OR WITHOUT ELECTIVE TRACHEOTOMY

John D Cramer, MD¹, Sandeep Samant, MD¹, Evan S Greenbaum, MD², Urjeet A Patel, MD¹; ¹Northwestern University Feinberg School of Medicine, ²John H Stroger Jr Hospital of Cook County

S428 MANAGEMENT OF EXTERNAL SKIN DEFECT ASSOCIATED WITH SEGMENTAL MANDIBULECTOMY RECONSTRUCTED WITH FREE FIBULA FLAP- 435 CASES OVER 4 YEARS

Saumya Mathews, Prabha Yadav, Vinay Shankdhar, Dushyant Jaiswal; Tata Memorial Hospital

S429 OSTEOCUTANEOUS RADIAL FOREARM FREE FLAP IN NON-MANDIBLE HEAD AND NECK RECONSTRUCTION.

Faisal I Ahmad, Alex Labby, Campbell Cross, Javier Gonzalez-Castro, Scott H Troob, Ryan Li, Mark K Wax; OHSU

Saturday, July 16, 2016

Sunday, July 17, 2016

Monday, July 18, 2016

Tuesday, July 19, 2016

Wednesday, July 20, 2016

Proffered Papers: Imaging

Tahoma 4

Moderators: Chung-Hwan Baek, MD, PhD;
Barton F. Branstetter, IV, MD; &
Hadi Seikaly, MD, FRCSC

S433 SURVIVAL ANALYSIS IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA VIA PET MEASURED TUMOR VOLUME AND GLYCOLYSIS

Nico M Moolman, MD, Matthew H Rigby, MD, Jonathan Trites, MD, Yaw AmoakoTuffour, Mark S Taylor, MD, Steven Burrell, MD, Rob D Hart, MD; Dalhousie University

S430 OPTIMAL TIMING FOR INTERIM RESPONSE ASSESSMENT OF HEAD & NECK CANCER RADIATION TREATMENT USING INTEGRATED POSITRON EMISSION TOMOGRAPHY/ MAGNETIC RESONANCE IMAGING

Ivan W Tham¹, Sharmili Roy², Dennis L Cheong², John J Totman², Lih Kin Khor³, Julian Goh⁴, David Townsend²; ¹National University Cancer Institute, Singapore, ²A*Star/NUS Clinical Imaging Research Centre, ³National University Hospital, ⁴Tan Tock Seng Hospital, Singapore

S431 IR-LABELED CETUXIMAB FOR OPTICAL IMAGING OF AGGRESSIVE ODONTOGENIC NEOPLASMS

Anthony Morlandt, MD, DDS¹, Hope Amm, PhD¹, Jason M Warram, PhD¹, Lindsey S Moore, MD¹, Esther deBoer, MD¹, William Carroll, MD¹, Olga Mamaeva, PhD¹, Eben L Rosenthal, MD², Mary MacDougall, PhD¹; ¹University of Alabama at Birmingham, ²Stanford University

S432 UTILITY OF A NEW TYPE OF ELASTOGRAPHY USING ACOUSTIC RADIATION FORCE IMPULSE FOR DIAGNOSING METASTATIC LYMPH NODES FROM HEAD AND NECK SQUAMOUS CELL CARCINOMA: A PRELIMINARY STUDY

Takahiro Fukuhara, MD, PhD, Eriko Matsuda, BS, Kazunori Fujiwara, MD, PhD, Hiroya Kitano, Prof, Hiroimi Takeuchi, Prof; Department of Otolaryngology-Head and Neck Surgery, Tottori University Faculty of Medicine

S434 PATTERNS OF DISTANT METASTASIS IN HEAD AND NECK CANCER: IMPLICATIONS FOR INITIAL EVALUATION

Jeffrey C Liu, MD¹, Mihir K Bhayani², Christopher E Fundakowski¹; ¹Temple Univ/Fox Chase Cancer Center, ²Northshore Univ Health system/Pritzker School of Medicine

S435 COMPUTED TOMOGRAPHY (CT) SCAN IN PREDICTING SKIN EXCISION IN ORAL CANCERS : A PROSPECTIVE STUDY.

Shilpi Sharma, MS, DNB, MBBS, Devendra Chaukar, MS, DNB, MBBS, Shashikant L Juvekar, MD, Munita Bal, MD, Anuja Deshmukh, MS, Supreeta Arya, MD, Shubhada Kane, Anil K D'Cruz, FRCS, MS, DNB, MBBS; Tata Memorial Hospital, India

S436 MULTIMODAL IMAGE-GUIDED SURGICAL AND PHOTODYNAMIC INTERVENTIONS IN HEAD-AND- NECK CANCER

Nidal Muhanna, MD, PhD¹, Liyang Cui, PhD², Harley Chan, PhD¹, Cheng Jin³, Thomas MacDonald³, Elizabeth Huynh², Juan Chen³, Jonathan Irish⁴, Gang Zheng⁵; ¹Department of Otolaryngology-Head and Neck Surgery, University of Toronto, Toronto, Canada, ²Department of Medical Biophysics, University of Toronto, Toronto, Canada, ³Department of Pharmaceutical Sciences, University of Toronto, Toronto, Canada, ⁴Princess Margaret Cancer Centre and Techna Institute, University Health Network, Toronto, Canada., ⁵Institute of Biomaterials and Biomedical Engineering, University of Toronto, Toronto, Canada

Saturday, July 16, 2016

Sunday, July 17, 2016

Monday, July 18, 2016

Tuesday, July 19, 2016

Wednesday, July 20, 2016

S437 APPLICATION OF ULTRASOUND-GUIDED CORE BIOPSY AS A NOVEL DIAGNOSTIC SAMPLING PROCEDURE IN THE PHARYNGEAL CANCER WITH DIFFICULT CONVENTIONAL ENDOSCOPIC APPROACHES

Chun-Nan Chen, MD, Cheng-Ping Wang, MD, Pei-Jen Lou, MD, PhD, Jena-Yuh Ko, MD, PhD, Tsung-Lin Yang, MD, PhD; Department of Otolaryngology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

S438 PROGNOSTIC VALUE OF METABOLIC PARAMETERS AT PRETREATMENT F-18 FDG PET/CT IN NASOPHARYNGEAL CARCINOMA

Shang-Yi Li, MD¹, Wen-Sheng Huang², Mu-Kuan Chen¹; ¹Departments of Otorhinolaryngology, Changhua Christian Hospital, Changhua, Taiwan, ²Departments of Nuclear Medicine, Changhua Christian Hospital, Changhua, Taiwan

11:00 am - 12:30 pm PANELS OR PROFFERED PAPERS**Panel: Future Immunotherapeutic Developments for Head and Neck Cancer**

4C-1-2

Moderator: Ezra E.W. Cohen, MD

This session will review the preclinical and clinical rationale for and preliminary data from an ongoing clinical trials administering anti-OX40 prior to definitive surgical resection of tumor from patients with head and neck squamous cell carcinoma. In addition, the session will discuss the addition of immunotherapy to combined modality therapy, addressing preclinical rationale, sequence optimization, and toxicity assessment. Furthermore, immunotherapy as applied to stem cells and recurrent/metastatic disease will be discussed.

Immunotherapy Targeting Stem Cells - John Sunwoo, MD**Co-Stimulation With Anti-OX40 Prior To Surgery For Head And Neck Cancer - R. Bryan Bell, MD, DDS****Immunoradiation: Towards the Quad-Modality Management of Head and Neck Cancer - Julie E. Bauman, MD****The New Order – Immunotherapy In Recurrent/Metastatic HNSCC - Ezra E.W. Cohen, MD**

At the conclusion of this session, participants will be able to:

- Familiarize the audience with possible changes that occur within the tumor microenvironment after anti-OX40 treatments, which may inform decisions regarding how and when to treat patients with OX40 agonists and checkpoint blockade combinations in the neoadjuvant or adjuvant setting.
- Recognize autoimmune adverse events in the toxic setting of combined modality therapy for head and neck cancer
- Understand the role of stem cells in the context of immunotherapy

Panel: Management of the Head and Neck Surgical Career

4C-3

Moderators: Jennifer R. Grandis, MD & Dennis H. Kraus, MD, FACS

Introduction - Dennis Kraus, MD

Securing and Maintaining Funding - Jennifer Grandis, MD

Rebooting an Academic Career: From Chair to Dean - Carol Bradford, MD

Avoiding Academic Burnout - Rene Leemans, MD, PhD

Advice to Trainees: How to Find Career Balance - Cherie Ann Nathan, MD

Combining an Academic Career and Position in the Dean's Office - Xin Zhang, MD

At the conclusion of this session, participants will be able to:

- Recognize what they need to do to combine research with clinical practice.
- Distinguish funding sources.
- Identify training programs.

Panel: Robotics in Head and Neck Cancer Surgery

4C-4

Moderators: Jimmy Yu Wai Chan, MD, MS, MRCS (Ed), FCSHK, FHKAM & Chris Holsinger, MD

Oropharynx - Chris Holsinger, MD

Neck - David J. Terris, MD

Nasopharynx - Jimmy Yu Wai Chan, MD, MS, MRCS (Ed), FCSHK, FHKAM

Thyroid - Eun Chang Choi, MD

Proffered Papers: Outcomes/Quality of Life III

Tahoma 1

Moderator: William B. Armstrong, MD & Daniel Knott, MD

S439 MOST COMMON AND DISTRESSING QUALITY OF LIFE CONCERNS FOR HEAD AND NECK CANCER PATIENTS REFERRED TO AMBULATORY PALLIATIVE MEDICINE

Chen Lin¹, Stephen Y Kang², Samantha L Donermeyer³, Theodoros N Teknos², Sharla M Wells-Di Gregorio⁴; ¹The Ohio State University College of Medicine, Columbus, OH, ²Department of Otolaryngology - Head and Neck Surgery, The Ohio State University, Columbus, OH, ³Department of Psychology and James Survivorship, The Ohio State University, Columbus, OH, ⁴Department of Psychiatry and James Psychosocial Oncology, The Ohio State University, Columbus, OH

S440 PATIENT-SPECIFIC SEMG DRIVEN MODELS OF THE FACE AND ORAL CAVITY: A FIRST STEP TOWARDS PREDICTION OF POST-SURGICAL FUNCTIONAL OUTCOME

Merijn Eskes¹, Maarten Van Alphen¹, Ludwig Smeele¹, Ferdinand Van der Heijden², Ian Stavness³, Alfons Balm¹; ¹Netherlands Cancer Institute, ²University of Twente, ³University of Saskatchewan

S441 INTRAOPERATIVE BRIEF ELECTRICAL STIMULATION (BES) FOR PREVENTION OF SHOULDER DYSFUNCTION AFTER ONCOLOGIC NECK DISSECTION: A DOUBLE-BLINDED, RANDOMIZED CONTROLLED TRIAL

Brittany Barber, MD, Margaret McNeely, PT, PhD, K. Ming Chan, MD, FRCS, Rhys Beaudry, BSc, Jaret Olson, MD, FRCS, Jeffrey Harris, MD, MHA, FRCS, Hadi Seikaly, MD, MAL, FRCS, Daniel O'Connell, MD, MSc, FRCS; University of Alberta

S442 TRENDS IN SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK: A SURVEILLANCE, EPIDEMIOLOGY, AND END RESULTS DATABASE ANALYSIS

Christina M Mimikos, DO, Adrienne Groman, MS, Kimberly Wooten, MD, Wesley Hicks, MD, Abraham Kuriakose, MD, David Cohan, MD, Vishal Gupta, MD, Mary Platek, PhD, Anurag Singh, MD, Hassan Arshad, MD; Roswell Park Cancer Institute

S443 LONG-TERM FUNCTIONAL OUTCOMES AFTER TOTAL LARYNGECTOMY WITH NON-CIRCUMFERENTIAL RADIAL FOREARM FREE TISSUE TRANSFER

Andrew D Palmer, PhD, CCC, SLP¹, Christine M Chambers, MS, CCC, SLP², Lauren Ottenstein, MS, CCC, SLP³, Breanne Whalen, MS, CCC, SLP¹, Peter E Andersen, MD¹, James I Cohen, MD, PhD², Mark K Wax, MD¹, Donna J Graville, PhD, CCC, SLP¹; ¹Oregon Health and Science University, ²Portland VA Medical Center, ³Emory University Department of Otolaryngology

S444 THE PRICE OF FREE TISSUE TRANSFER AFTER TONGUE RECONSTRUCTION: QUANTIFYING THE RISKS

Mohammed N Khan, MD¹, Enrique Perez, MD, MBA¹, Erden Goljo, BS¹, Alfred J Illoreta, MD¹, Richard Park, MD, FACS², Brett Miles, MD, DDS, FACS¹; ¹Mount Sinai Department of Otolaryngology, ²Rutgers University Department of Otolaryngology

S445 HOSPITAL VOLUME AND THE OUTCOME OF HEAD AND NECK CANCER CARE IN NEW YORK STATE

Micah Timen, MS¹, Yixin Fang, PhD², Babak Givi, MD, FACS³, Marc M Triola, MD, FACP⁴; ¹New York University School of Medicine, ²New York University School of Medicine, Department of Population Health, ³New York University School of Medicine, Department of Otolaryngology, ⁴New York University School of Medicine, Department of Medicine

S446 THE HEAD AND NECK SURGERY NSQIP: EVALUATING UNPLANNED RETURN TO THE OPERATING ROOM

Carol M Lewis, MD, MPH, Summer Hanson, MD, PhD, Jun Liu, PhD, Randal S Weber, MD; University of Texas MD Anderson Cancer Center

S447 SELF-ASSESSMENT IN HEAD AND NECK SURGERY: THE UTILITY OF SURGEON SPECIFIC REGISTRY OF THE AMERICAN COLLEGE OF SURGEONS

Alvaro Sanabria, PhD; Department of Surgery. Universidad de Antioquia-Hospital Pablo Tobon Uribe

Proffered Papers: Cancer Biology IV

Tahoma 2

Moderators: Timothy S. Lian, MD & Max Witjes, MD

S454 METABOLIC INTERROGATION AS A TOOL TO OPTIMIZE CHEMOTHERAPEUTIC REGIMENS

Vlad Sandulache, MD, PhD, Yunyun Chen, William William, MD, Heath Skinner, MD, PhD, Jeffrey Myers, MD, PhD, Raymond Meyn, MD, Lei Feng, Clifton Fuller, MD, PhD, James Bankson, Stephen Lai, MD, PhD; UT MD Anderson Cancer Center

S448 APPLICATION OF PATIENT-DERIVED XENOGRFT TECHNOLOGY TO MODEL HUMAN PAPILLOMA VIRUS-ASSOCIATED HEAD AND NECK CANCER

Nicole D Facompre, PhD, Varun Sahu, BS, Kayla M Harmeyer, PhD, Kathleen T Montone, Gregory S Weinstein, Devraj Basu, MD, PhD; The University of Pennsylvania

S449 EXAMINING RESPONSE TO PI3K INHIBITORS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Nicole L Michmerhuizen, Andrew Birkeland, Elizabeth Leonard, Danielle Pallas, Jacqueline Mann, Susan K Foltin, Thomas E Carey, Carol R Bradford, Matthew Spector, J Chad Brenner; University of Michigan

S450 SERUM IL-6 LEVELS SHOW A DIRECT CORRECTION WITH CIRCULATING TUMOR CELLS (CTCS) AND POOR PROGNOSIS

Azeem Kaka, MD¹, Corey Cheresnick, MD¹, Arti Yadav¹, Kyoung-Joo Park¹, Peter Amaya², Nolan Seim, MD¹, Bhavna Kumar¹, James Lang, PhD¹, Jeffrey Chalmers, PhD², Theodoros Teknos, MD¹, Pawan Kumar, PhD¹; ¹The Ohio State University Department of Head and Neck Surgery and James Cancer Hospital, ²The Ohio State University Department of Chemical and Biomedical Engineering

S451 THE TUMOR SUPPRESSOR CAPABILITY OF NON-MUSCLE MYOSIN IIA REQUIRES A FUNCTIONAL P53 IN HEAD AND NECK CANCER.

Sonya Coaxum, PhD¹, Jessica Tiedeken, MS¹, Elizabeth Garrett-Mayer, PhD¹, Jeffrey Myers, MD, PhD², Steven A Rosenzweig, PhD¹, David M Neskey, MD, PhD¹; ¹Medical University of South Carolina, ²University of Texas, MD Anderson Cancer Center

S452 PROTEOMIC ANALYSIS OF EXOSOMES PURIFIED FROM HPV+ AND HPV- ORAL SQUAMOUS CELL CARCINOMA CELL LINES

Zhanxiang Wang, PhD, Vivian Wu, MD, MPH; EVMS

S453 THE OROPHARYNX AS A JUNCTIONAL SITE, PERMISSIVE FOR HUMAN PAPILLOMAVIRUS INFECTION, CHARACTERISED BY NOVEL BIOMARKERS IN PRIMARY SQUAMOUS CELL CARCINOMA AND REGIONAL NODAL DISEASE

Robbie S Woods, MD¹, Danielle Costigan², Helen Keegan³, Christine White³, Prerna Tewari³, Mary Toner², Susan Kennedy, Professor⁴, Esther M O'Regan², Cara Martin, Professor³, John J O'Leary, Professor², Conrad V Timon, Professor¹; ¹Department of Otolaryngology, Trinity College Dublin, ²Department of Histopathology, St. James's Hospital, Dublin, ³CERVIVA Research Consortium, Ireland, ⁴Department of Histopathology, Royal Victoria Eye and Ear Hospital, Dublin

S455 THE ROLE OF HPV E7 AND AURORA A KINASE IN THE GROWTH AND SURVIVAL OF HPV-POSITIVE HEAD AND NECK CANCER

Mushfiq H Shaikh, BDS, MSc, Daniel T Clarke, BSc, PhD, Newell W Johnson, MDSc, PhD, FDSRCS, FRACDS, FRCPath, FICD, Nigel A McMillan, BSc, PhD; Griffith University

S456 DUAL-METHOD ASSESSMENT OF ORAL DYSPLASIA IN A PRECLINICAL ANIMAL MODEL

Rahul Pal, Tyra Brown, Jingping Yang, Susan McCammon, Suimin Qiu, Gracie Vargas; UTMB

Proffered Papers: Basic Science II

Tahoma 3

Moderators: Prathamesh Pai, MS(ENT), DNB, DORL, MNAMS & Quintin Pan, PhD

S457 CISPLATIN INCREASES EXPRESSION OF ANTIGEN PRESENTATION MACHINERY AND PROGRAMMED DEATH LIGAND 1 IN HEAD AND NECK SQUAMOUS CELL CARCINOMA CELLS

Nicole C Schmitt, MD¹, Harrison Cash², Robert L Ferris, MD, PhD³, Carter Van Waes, MD, PhD⁴, Clint T Allen, MD¹; ¹Johns Hopkins University Department of Otolaryngology and Head and Neck Surgery Branch, NIDCD, NIH, ²Cleveland Clinic Lerner College of Medicine, ³University of Pittsburgh Department of Otolaryngology, ⁴Head and Neck Surgery Branch, NIDCD, NIH

S458 DOSE AND TIME RANGING OF ANTI-ANGIOGENIC AGENTS FOR ENHANCED ANTIBODY-BASED THERAPY IN AN ANIMAL MODEL OF HEAD AND NECK CANCER

Andrew Prince, BSc¹, Lindsay Moore, MD¹, Neel Patel, MD¹, William Carroll, MD¹, Eben Rosenthal, MD², Jason Warram, PhD¹; ¹University of Alabama at Birmingham, ²Stanford University

S459 DROPLET DIGITAL POLYMERASE CHAIN REACTION FOR DETECTION OF ONCOGENIC HUMAN PAPILLOMAVIRUS IN OROPHARYNGEAL SWABS: A PROSPECTIVE COHORT STUDY

Andre Isaac, MD, Han Zhang, MD, Morris Kostiuik, PhD, Fawaz Makki, MD, FRCSC, Daniel A O'Connell, MD, MSc, FRCSC, Jeffrey R Harris, MD, MHA, FRCSC, David Cote, MD, MPH, FRCSC, Hadi Seikaly, MD, MAL, FRCSC, Vincent L Biron, MD, PhD, FRCSC; University of Alberta

S460 GLYCOLYTIC METABOLISM AND IMMUNE ACTIVITY ON HIF-1 STABILIZED NK CELL

Toshimitsu Ohashi, MD, PhD¹, Greg M Delgoffe, PhD², Robert L Ferris, MD, PhD³; ¹Department of Immunology, University of Pittsburgh Cancer Institute, ²Tumor Microenvironment Center, Department of Immunology, University of Pittsburgh Cancer Institute, ³Department of Otolaryngology, University of Pittsburgh

S461 NEXT GENERATION SEQUENCING OF SALIVARY DUCT CARCINOMA REVEALS NOVEL POTENTIAL TARGETS FOR SMALL MOLECULAR THERAPIES

Joel A Smith, MD, FRCS, MBChB, BMedSc¹, Timothy Khoo¹, Angus Clark¹, Bing Yu, MD, PhD, FFSc, RCPA, FHGSA², Ruta Gupta, MBBS, PhD, FRACS¹, Jonathan Clark, MBBS, BScMed, MBIostat, FRACS¹; ¹Sydney Head and Neck Cancer Institute, ²University of Sydney

S462 MASTER REGULATORS EXPOSE POTENTIAL EPIGENETIC DRIVERS OF HPV-ASSOCIATED HNSCC

Maria J Worsham, Director, of, Research, Indrani Datta, Biostatistician, Kang M Chen, Research, Scientist, Josena K Stephen, Research, Scientist, Dhananjay Chitale, Pathologist, Tamer Ghanem, Head, and, Neck, Surgeon, Lamont Jones, Vice, Chair, Surgeon, Laura Garcia-Rodriguez, Resident, George Divine, Sr, Biostatistician; Henry Ford Health System

S463 THE POTENCY OF A HISTONE DEACETYLASE INHIBITOR AND REOVIRUS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Matthew Old, MD¹, Cristina Jamie-Ramirez, PhD¹, Jun-Ge Yu, MD¹, Enrico Caserta¹, John Lee, MD², Bhavna Kumar, MS¹, Pawan Kumar, PhD¹, Quintin Pan, PhD¹, Flavia Pichiorri, PhD¹, Theodoros Teknos, MD¹, Balveen Kaur, PhD¹; ¹The Ohio State University, ²Sanford Health

S464 PROMOTER MUTATIONS IN THE TERT GENE OCCUR FREQUENTLY IN ORAL CAVITY SQUAMOUS CELL CARCINOMA

Kai-Ping Chang, MD, PhD¹, Curtis Pickering, PhD², Jeffery N Myers, MD, PhD²; ¹Department of Otolaryngology - Head & Neck Surgery, Chang Gung Memorial Hospital, Taipei, Taiwan, ²Department of Head & Neck Surgery, MD Anderson Cancer Center, TX

S465 EVALUATION OF DNA DAMAGE REPAIR THROUGH ORAL DYSPLASIA SCRAPES PREDICTS MALIGNANT TRANSFORMATION: VERIFICATION OF FINDINGS FROM FORMALIN FIXED PARAFFIN EMBEDDED TISSUE

Michael Ho¹, Mark Ryan², Juhi Gupta², Asterios Triantafyllou², Janet Risk², Richard Shaw, Prof², James Wilson²; ¹Leeds Dental Institute, ²University of Liverpool

Saturday, July 16, 2016

Sunday, July 17, 2016

Monday, July 18, 2016

Tuesday, July 19, 2016

Wednesday, July 20, 2016

Proffered Papers:
Functional Outcomes II

Tahoma 4

Moderators: Jonathan Clark, MBBS, BSc;
Michael G. Moore, MD; & Rod Rezaee, MD

S466 NOVEL TECHNOLOGY TO ACCURATELY DETECT STRICTURE RELATED DYSPHAGIA FOLLOWING HEAD AND NECK CANCER
Julia Maclean¹, Peter Wu¹, Michal Szczesniak², Peter Graham¹, Harry Quon³, Ian Cook¹; ¹St George Hospital, ²University of NSW, ³Johns Hopkins Sidney Kimmel Comprehensive Cancer Center

S467 DYSPHAGIA IN HEAD AND NECK CANCER PATIENTS PRIOR TO RADIATION THERAPY: IDENTIFYING HIGH RISK PATIENTS AND IMPROVING BASELINE DYSPHAGIA ASSESSMENT.
Christina F Kelly, MA, CCCSLP, Lindsay Savinda, MS, CCCSLP, Tamara Wasserman-Wincko, MS, CCCSLP, Bridget Hathaway, MD, Jonas Johnson, MD; University of Pittsburgh Medical Center

S468 AMERICAN COLLEGE OF SURGEONS (ACS) NATIONAL SURGICAL QUALITY IMPROVEMENT PROGRAM (NSQIP) AS A PREDICTOR FOR EXPECTED HOSPITAL-STAY FOR PATIENTS WITH HEAD AND NECK CANCER UNDERGOING ABLATIVE SURGERY WITH FREE FLAP RECONSTRUCTION
Charles A Riley¹, David Cai, MD¹, Claire Lawlor¹, Christian P Hasney, MD², Brian Moore, MD²; ¹Tulane University, ²Ochsner Medical Center

S469 FUNCTIONAL AND COSMETIC OUTCOMES OF ROBOTIC NECK DISSECTION BY A POSTAURICULAR FACELIFT APPROACH FOR HEAD AND NECK CANCER: A PRELIMINARY STUDY
Kyung Tae, MD, PhD¹, Yong Bae Ji, MD, PhD¹, Chang Myeon Song, MD, PhD², Hyang Sook Bang, RN²; ¹Hanyang University, ²Hanyang University Hospital

S470 QUALITY OF LIFE AND SWALLOW FUNCTION IN PATIENTS WITH HEAD AND NECK CANCER FOLLOWING PRIMARY VS. SALVAGE TRANSORAL ROBOTIC SURGERY: THE FIRST YEAR AFTER TREATMENT
Amy M Williams, PhD¹, Anish Abrol, BS², Jamie M Lindholm, MS, CCCSLP¹, Tamer Ghanem, MD, PhD¹; ¹Henry Ford Health System, ²Wayne State University School of Medicine

S471 SKELETAL MUSCLE MASS MEASUREMENTS AND ASSOCIATION WITH TREATMENT OUTCOME IN PATIENTS WITH LOCALLY ADVANCED HEAD AND NECK CANCER TREATED WITH CONCURRENT CHEMORADIOTHERAPY
Simone Eerenstein, MD, PhD¹, Wala al Arashi², Emma Teunissen¹, Henk Verheul³, Pim de Graaf⁴, René Leemans¹, Jacqueline Langius⁵, Susanne Blauwhoff-Buskermolen⁵, Johannes Voortman³; ¹Dept. ENT Head Neck Surgery VU university medical center, ²Dept. medical Oncology and Dietetics, ³Dept. Medical oncology, ⁴Dept. Radiology and Nuclear Medicine, ⁵Dept. nutrition and dietetics

S472 HEALTHCARE COST SAVINGS WITH PREOPERATIVE GASTROSTOMY TUBE PLACEMENT IN THE HEAD AND NECK CANCER POPULATION
Ashley C Mays, MD¹, Paul S Wistermayer, BS¹, Matt L Rohlfing, BS¹, Harrison G Bartels, BA¹, Joshua D Waltonen, MD¹, Ralph B D'Agostino, Jr., PhD²; ¹Wake Forest University Otolaryngology, ²Wake Forest Biostatistics

S473 MODERN MULTIMODALITY THERAPY FOR OROPHARYNX CANCER - IS SEVERE LATE TOXICITY STILL AN ISSUE?
Matthew C Ward, MD¹, Shlomo A Koyfman, MD¹, Richard B Ross, BS², Neil M Woody¹, Nikhil P Joshi¹, Brian B Burkey¹, Joseph Scharpf¹, Robert Lorenz¹, Eric D Lamarre¹, Brandon Prendes¹, Tobenna I Nwizu¹, Narcissa Houston¹, Chandana Reddy¹, Bridgett Harr, CNP¹, Denise Ives¹, Melissa Rahe¹, Joanna Bodmann, CNP¹, John F Greskovich, MD, MBA¹, David J Adelstein, MD¹; ¹Cleveland Clinic, ²Case Western Reserve

Faculty Listing

AUSTRALIA

Bryan Burmeister, MD - Princess Alexandra Hospital, Brisbane

Jonathan Clark, MBBS, BSc - Chris O'Brien Lifehouse, Sydney

June Corry, MD - The University of Melbourne, Melbourne

Camile Farah, PhD, MDSc - University of Western Australia, Perth

Julia Maclean, MD - St George Hospital, Sydney

Christopher F.L. Perry, MD - Princess Alexandra Hospital Brisbane, Brisbane

Sandro V. Porceddu, MD - Princess Alexandra Hospital, University of Queensland, Brisbane

Danny Rischin, MD - Peter MacCallum Cancer Centre, Melbourne

BELGIUM

George Lawson, MD - Université Catholique de Louvain - CHU ucl Namur Dinant, YVOIR

Vincent Vander Poorten, MD, PhD, MSc - University Hospitals Leuven, Leuven

BRAZIL

Claudio R. Cernea, MD - University of São Paulo Medical School, Sao Paulo

Rogério A. Dedivitis, MD - University of Sao Paulo School of Medicine, Sao Paulo

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Roberto Lima, MD, PhD - Brazilian National Cancer Institute, INCA, Rio de Janeiro

Jorge Pinho, MD - Hospital Memorial S. José, Recife

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Apostolos Christopoulos, MD, MSc - Université de Montréal, Montreal, QC

John Rukshan de Almeida, MD, MSc, FRCSC - Princess Margaret Cancer Centre, University Health Network, Toronto, ON

Danny Enepekides, MD, FRCS - University of Toronto, Toronto, ON

Jeremy L. Freeman, MD - Mount Sinai Hospital, University of Toronto, Toronto, ON

Ralph W. Gilbert, MD - University Health Network, University of Toronto, Toronto, ON

David Paul Goldstein, MD, FRCSC - Princess Margaret Cancer Center, Toronto, ON

Patrick J. Gullane, MD - Toronto General Hsp, Toronto, ON

Kevin McLoughlin Patrick Higgins, MD, MSc, FRCSC - Sunnybrook Health Sciences Center, Odette Cancer Center, Toronto, ON

Jonathan Irish, MD, FRCSC - Princess Margaret Cancer Centre, University Health Network, Toronto, ON

John Kim, MD - Princess Margaret Cancer Centre, University Health Network, Toronto, ON

Rosemary Martino, MSc, PhD - University of Toronto, Toronto, ON

Brian O'Sullivan, MD - Princess Margaret Hospital, Toronto, ON

G Jolie Ringash, MD - Princess Margaret Cancer Centre and The University of Toronto, Toronto, ON

Faculty Listing

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University of Alberta, Edmonton,
AB

Lillian L. Siu, MD - University of
Toronto, Toronto, ON

John Waldron, MD - University
of Toronto, Toronto, ON

Dave Williams, MD - Southlake
Regional Health Centre,
Newmarket, ON

**Ian James Witterick, MD,
FRCS** - University of Toronto,
Toronto, ON

John Yoo, MD, FRCS, FACS -
Western University, London, ON

Eugene Yu, MD - Princess
Margaret Cancer Centre -
University of Toronto, Toronto,
ON

CHINA

**Jimmy Yu Wai Chan, MD, MS,
MRCS (Ed), FCSHK, FHKAM** -
University of Hong Kong, Hong
Kong

Yi Li, MD - West China Hospital of
Stomatology, Sichuan University,
Chengdu

Jiade Lu, MD, MBA - Shanghai
Proton and Heavy Ion Center,
Shanghai

Xin Zhang, MD, PhD - Xiangya
School of Medicine of Central
South University, Changsha

CROATIA

Miljenko Bura, MD, PhD - KBC
Zagreb, Zagreb

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University, Prague

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Christian von Buchwald, MD
- University of Copenhagen,
Copenhagen

EGYPT

Ayman Abdel-Wahab Amin, MD
- NCI, Cairo University, Cairo

FINLAND

Antti Makitie, MD, PhD -
University of Helsinki, Helsinki

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Dominique Chevalier, MD -
University Medical Center Lille,
Lille

Sylvie Delanian, MD, PhD -
Hôpital Saint Louis, APHP, Paris

GERMANY

Andreas Dietz, MD - University
of Leipzig, Leipzig

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Name	Commercial Interest	What Was Received	For What Role	Role in Meeting
Athanasios Argiris	BMS	Consulting Fee	Review Panel	International Advisory Committee, Faculty
	Merck-Serono	Honoraria	Consultant	
Robert Baatenburg de Jong	Rive r D Diagnostics	Stockholder	share holder	International Advisory Committee, Faculty
Julie Bauman	Incyte Pharmaceuticals	Consulting Fee	Consultant	Program Committee, Faculty
	Kolltan	Consulting Fee	Consultant	
	Merck-Serono	Consulting Fee	Consultant	
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	Janssen Pharmaceutical	Consulting Fee	Advisory Committee	
	Stryker	Consulting Fee	Speaking/Teaching	
Brian Burkey	ATOS Medical Corp.	Travel expenses for international meeting	Speaking/Teaching	Faculty, CME Committee
Barbara Burtness	Boehringer Ingelheim	Honoraria	Consultant	Program Committee, Faculty
	Merck	Research	Research support to my institution	
	Amgen	Honoraria	Advisory Committee	
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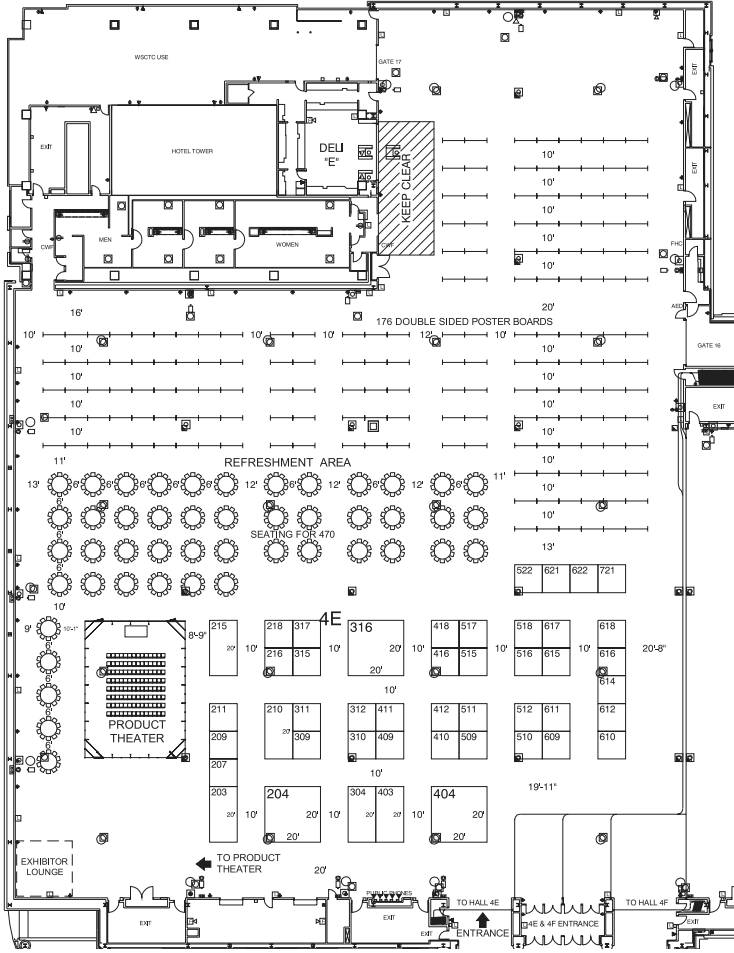
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Nolan B Seim, MD¹, Stephen Y Kang, MD¹, Riley G Jones, MD², Manish S Bhandari, MD², Theodoros N Teknos, MD¹; ¹Department of Otolaryngology-Head and Neck Surgery, Arthur G. James Cancer Hospital and Richard J. Solove Research Institute at The Ohio State University Wexner Medical Center, Columbus Ohio, ²Department of Internal Medicine, Division of Medical Oncology, The Christ Hospital, Cincinnati, Ohio

P002 ROLE OF NANOG IN THE RADIORESISTANCE OF HEAD AND NECK CANCER

Sei Young Lee, MD¹, Se-Heon Kim, MD², Yunha Kim, PhD¹; ¹Department of Otolaryngology, Chung-Ang University College of Medicine, ²Department of Otorhinolaryngology, Yonsei University College of Medicine

P003 WHOLE-EXOME SEQUENCING ANALYSIS OF NASOPHARYNGEAL CARCINOMA

Yong Liu, PhD, MD, Xin Zhang, Prof, PhD, MD, Ming Wei, Gangcai Zhu, Meilin Huang, She Li; Xiangya Hospital, Central South University

P004 INVASION OF HEAD AND NECK SQUAMOUS CELL CANCER CELLS REQUIRES TENASCIN-C EXPRESSION

Carissa M Thomas, MD, PhD, Stephen Keysar, PhD, Bettina Miller, Magdalena Glogowska, John I Song, MD, Antonio Jimeno, MD, PhD; University of Colorado School of Medicine

P005 ANALYSIS OF THE LOSS OF CASPASE 8 IN HNSCC USING 3D ORGANOTYPIC CULTURES

Antje Lindemann, PhD, Burak Uzunparmak, Jeffrey N Myers, Curtis R Pickering; The University of Texas MD Anderson Cancer Center

P006 GENOME METHYLATION IN ORAL CAVITY CARCINOMAS

Ana Lucia N Francisco, PhD¹, Mariana B dos Reis, Dr¹, Mateus C Barros Filho, Dr¹, Fábio A Marchi, Dr¹, Skirant N Ambatipudi, PhD², Zdenko N Herceg, PhD², Silvia R Rogatto, PhD¹, Luiz P Kowalski, PhD¹; ¹AC Camargo Cancer Center, ²International Agency for Research on Cancer (IARC)

P007 MIR-520B INHIBITS THE MALIGNANCY OF HEAD-NECK CANCER THROUGH THE SUPPRESSION OF CANCER STEMNESS BY TARGETING CD44

Ann-Joy Cheng, PhD¹, Ya-Ching Lu¹, Joseph T Chang, MD²; ¹Chang Gung University, ²Chang Gung Memorial Hospital-Linko

P008 CANCER STEM CELL NICHE CORRELATES WITH MALIGNANT PROGRESSION

Subin t Surendran¹, Gangotri Siddappa², Ravindra D Ravi², Christina Mimikos¹, Wesley L Hicks¹, Amritha Suresh³, Moni A Kuriakose¹; ¹Head and Neck Surgery, Roswell Park Cancer Institute, Buffalo, New York, 14263, ²Mazumdar Shaw Centre for Translational Research, Mazumdar Shaw Medical Centre, Narayana Hrudayalaya, Bangalore, 560099, ³Mazumdar Shaw Medical Center- Roswell Park Collaboration Program, Buffalo, New York 14263

P009 FEASIBILITY OF RECOMBINANT SENDAI VIRUS VECTOR MEDIATED SENTINEL LYMPH NODE TARGETED GENE TRANSFER IN AN ORTHOTOPIC NUDE MOUSE MODEL OF HEAD & NECK SQUAMOUS CELL CARCINOMA

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P010 PROGNOSTIC VALUE OF ABERRANT PROMOTER HYPERMETHYLATION OF TUMOR-RELATED GENES IN EARLY-STAGE HEAD AND NECK CANCER

Kiyoshi Misawa¹, Takeharu Kanazawa², Yuki Misawa¹, Hiroyuki Mineta¹; ¹Hamamatsu University School of Medicine, ²Jichi Medical University, Tochigi

P011 GALANIN AND GALANIN RECEPTOR 2 UTILIZES DISTINCT SIGNALING PATHWAYS TO INDUCE APOPTOSIS AND SUPPRESS CELL PROLIFERATION IN P53 MUTANT HEAD AND NECK CANCER CELLS.

Takeharu Kanazawa, MD, PhD¹, Kiyoshi Misawa, MD, PhD², Yuki Misawa, MD, PhD², Mikiko Maruta, PhD¹, Takayuki Uehara, MD, PhD³, Kazumi Kawada, MD¹, Takafumi Nagatomo, MD¹, Keiichi Ichimura, MD, PhD¹; ¹Department of Otolaryngology, Head and Neck Surgery, Jichi Medical University School of Medicine, ²Department of Otolaryngology, Head and Neck Surgery, Hamamatsu University School of Medicine, ³Department of Otorhinolaryngology, Head and Neck

Poster Listing

Surgery, Graduate school of Medicine,
University of the Ryukyus

**P012 JUNB PLAYS AN IMPORTANT
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CARCINOMA**

Daisuke Sano, MD, PhD¹, Hiroshi Hyakusoku, MD¹, Hideaki Takahashi, MD, PhD¹, Takashi Hatano, MD¹, Yasuhiro Isono, MD¹, Shoko Shimada, MD¹, Kae Sawakuma, MD¹, Jeffrey Myers, MD, PhD², Nobuhiko Oridate Oridate, MD, PhD¹; ¹Yokohama City University, school of medicine, ²The University of Texas M. D. Anderson Cancer Center

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OF THE UPDATED TCGA HEAD AND
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Nene Kalu, PhD, Xiayu Rao, Sanchit Trivedi, Jeffrey N Myers, Mitchell J Frederick, Faye M Johnson, Jing Wang, Curtis R Pickering; UT MD Anderson Cancer Center

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Sergey V Ivanov, PhD, Alex Panaccione, Yi Zhang, PhD, Yanfang Mi, MD, Wendell G Yarbrough, MD, MMHC, FACS; Yale School of Medicine

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Patrick McGarey, MD, Lane Donaldson, Mark Jameson, MD, PhD; UVA

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Shin Ae Kim, MD, Jong-Lyel Roh, MD, Seung-wook Lee, Sung-Bae Kim, MD, Seung-Ho Choi, MD, Soon Yuhl Nam, MD, Sang Yoon Kim, MD, Shereen Yankasari, MD; Asan Medical Center, Seoul, Republic of Korea

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Ruth Davis, Paul Clavijo, Ellen Moore, Chris Silvin, Zhong Chen, Carter Van Waes, Clint Allen; National Institutes of Health

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Burak Uzunparmak, Antje Lindemann, PhD, Jeffrey N. Myers, MD, Curtis R. Pickering, PhD; The University of Texas MD Anderson Cancer Center

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INDUCES ANTI-TUMOR IMMUNE
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Kaname Sakamoto¹, Hiroki Ishii¹, Satoshi Igarashi¹, Hideyuki Takahashi², Kazuaki Chikamatsu², Keisuke Masuyama¹; ¹Department of Otorhinolaryngology, Head and Neck Surgery Interdisciplinary Graduate School of Medical Science University of Yamanashi, ²Department of Otorhinolaryngology-Head and Neck Surgery, Gunma University Graduate School of Medicine.

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Arti Yadav, MS, Bhavna Kumar, MS, Lang C Lang, PhD, Theodoros N Teknos, MD, Pawan Kumar, MS, PhD; Department of Otolaryngology-Head and Neck Surgery, The Ohio State University, Columbus, OH

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Patrick T Tassone, MD, Joseph M Curry, MD, Ubaldo Martinez-Outschoorn, MD, Madalina Tuluc, MD, Voichita Bar-Ad, MD, David Cognetti, MD, Adam Luginbuhl, MD, William Keane, MD, Tingting Zhan, PhD, Mehri Mollaee, MD; Thomas Jefferson University

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DEFICIENT HNSCC**

Carlos Green¹, Michael Kao¹, Charles de Leeuw², Chang Xu², Heuijoon Park², Russell Moser², Carla Grandori², Christopher Kemp², Eduardo Méndez²; ¹Department of Otolaryngology, University of Washington, ²Division of Clinical Research, Fred Hutchinson Cancer Research Center

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Shinji Mikami, MD¹, Ichiro Ota, MD¹, Takashi Masui, MD¹, Kazuhiro Uemura,

Poster Listing

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P024 IMMUNOLOGICAL AND CLINICOPATHOLOGICAL SIGNIFICANCE OF MFG-E8 EXPRESSION ON ORAL SQUAMOUS CELL CARCINOMA

Koichi Sakakura, MD, PhD¹, Hideyuki Takahashi, MD¹, Sei-ichiro Motegi, MD, PhD², Kyoichi Kaira, MD, PhD³, Minoru Toyoda, MD¹, Kazuaki Chikamatsu, MD, PhD¹; ¹Department of Otolaryngology-Head and Neck Surgery, Gunma University Graduate School of Medicine, ²Department of Dermatology, Gunma University Graduate School of Medicine, ³Department of Oncology Clinical Development, Gunma University Graduate School of Medicine

P025 PREDICTION OF HEAD AND NECK CANCER USING MODIFIABLE RISK FACTORS AND WNT/BETA-CATENIN SIGNALING

Lacy S Brame, MS¹, Ilngovan Ramachandran, PhD², Ryan Raju, MD¹, Eva Brabcova, BS¹, Matt Naifeh, BS¹, Casey Butler, MD¹, Basil Mathews, BA, BS¹, Janis Campbell, PhD¹, Daniel Zhao, PhD¹, Greg Kreml, MD¹, Jesus Medina, MD¹, Liu Cheng, MD¹, Lurdes Queimado, MD, PhD¹; ¹University of Oklahoma Health Sciences Center, ²University of Madras

P026 CORRELATING ALTERNATIVE SPLICING EVENTS WITH METHYLATION CHANGES IN HPV-RELATED OROPHARYNGEAL CANCER.

Theresa Guo, MD¹, Daria A Gaykalova, PhD¹, Alexander V Favorov, PhD¹, Michael Considine¹, Justin A Bishop, MD¹, William H Westra, MD¹, Zubair Khan, MD¹, Elana J Fertig, PhD¹, Joseph A Califano, MD²; ¹Johns Hopkins Hospital, ²UC San Diego Health

P027 ELDERLY PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA AND COMORBID NEUROLOGIC DISORDER HAVE DECREASED CANCER SPECIFIC SURVIVAL

Travis P Schrank, MD, Eric J Lentsch, MD; medical university of south carolina

P028 ROLES OF NA+ / H + EXCHANGER1 IN THE MAINTENANCE OF COLLECTIVE MIGRATION OF HEAD AND NECK SQUAMOUS CANCER CELLS

Tepppei Kaminota¹, Hajime Yano², Hiroyuki Wakisaka³, Junya Tanaka², Naohito Hato²; ¹Takamatsu red cross

hospital, ²Graduate School of Medicine, Ehime University, ³Ehime Prefectural University of Health Sciences

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Louise Tan¹, Yao Guang Leow¹, Gwyneth Soon², Shi Wang², Chwee Ming Lim¹; ¹Department of Otolaryngology Head and Neck Surgery, National University Health System Singapore, ²Department of Pathology, National University of Singapore

P030 A RELATIONSHIP BETWEEN EXON 8 POLYMORPHISM AND EXPRESSION OF THE GIANT AXONAL NEUROPATHY (GAN) GENE IN HEAD AND NECK CANCER

James J Kang, BS, Alani Mustafa, DMD, Isabelle Y Liu, MD, Natarajan Venkatesan, PhD, Marilene Wang, MD, Eri Srivatsan, PhD; UCLA

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Khalid Alamoud, DMD, Khikmet Sadykov, MS, Manish Bais, DVM, PhD, Maria Kukuruzinska, PhD; Boston University Henry M. Goldman School of Dental Medicine, Boston, MA

P032 EGFR DETECTION IN SALIVARY SAMPLES AS AN EASY DIAGNOSTIC AND PROGNOSTIC TOOL IN ORAL SQUAMOUS CELL CANCER

Laura Zanotti¹, Cesare Piazza², Elisabetta Bandiera¹, Francesca Del Bon², Antonella Ravaggi¹, Alberto Paderno², Chiara Romani¹, Pietro Perotti², Eliana Bignotti¹, Paola Grazioli², Nausica Montalto², Franco Edoardo Odicino¹, Piero Nicolai²; ¹"Angelo Nocivelli" Institute of Molecular Medicine, Division of Gynecologic Oncology, University of Brescia, Brescia, Italy, ²Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy

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Lars Ekblad, PhD, Ola Forslund, PhD, Stefan Schwartz, PhD, Prof, Johan Wennerberg, PhD, MD, Prof; Lund University

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Jonathan R George, MD, MPH, Chase M Heaton, MD, Steven J Wang, MD, William R Ryan, MD, Ivan El-Sayed, MD, Orin Bloch, MD; UCSF

Poster Listing

P035 NUCLEAR LOCALIZATION AND HIGH EXPRESSION OF GLYOXALASE 1 (GLO1) IS A PROGNOSTIC MARKER FOR POORER SURVIVAL OF HNSCC

Karim Zaoui, MD¹, Nele Kreycky¹, Christiane Gotzian¹, Thomas Fleming, PhD², Christa Flechtenmacher, MD³, Niels Grabe, PhD⁴, Philippe A Federspil, MD², Peter K Plinkert, MD², Jochen Hess, PhD¹; ¹Section Experimental and Translational Head and Neck Oncology, Department of Otolaryngology, Head and Neck Surgery, University Hospital Heidelberg, Germany, ²Department of Medicine I and Clinical Chemistry, University Hospital Heidelberg, Germany, ³Institute of Pathology, University Hospital Heidelberg, Heidelberg, Germany, ⁴Hamamatsu Tissue Imaging and Analysis Center (TIGA), BIOQUANT, Heidelberg, Germany

P037 ELDERLY PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA AND PREEEXISTING HYPOTHYROIDISM HAVE IMPROVED DISEASE SPECIFIC SURVIVAL.

Travis P Schrank, MD, Eric J Lentsch, Professor; Medical University of South Carolina

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Neal R Godse, BS¹, Nayel Khan, BS², Andrey Finegersh, PhD¹, Kara Davis, MD², Carolyn Kemp, BS², Umamaheswar Duvvuri, MD, PhD²; ¹University of Pittsburgh School of Medicine, ²University of Pittsburgh Medical Center, Department of Otolaryngology

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Sean T Massa, MD¹, Ashley N Reeb, BS¹, Rebecca D Chernock, MD², Reigh-Yi Lin, PhD¹; ¹Saint Louis University, ²Washington University

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Hyoungh Shin Lee, MD, Sang Tae Noh, Sung Won Kim, MD, PhD, Seobin Kim, MD, Kang Dae Lee, MD, PhD; Kosin University College of Medicine

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Sean T Massa, MD¹, Ashley N Reeb, BS¹, Rebecca D Chernock, MD², Reigh-Yi Lin, PhD¹; ¹Saint Louis University, ²Washington University

P043 HBD3 EXPRESSION IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

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Sabrina Daniela Silva Wurzbach¹, Fabio Marchi², Bin Xu¹, Faisal Alobaid¹, Alex Mlynarek¹, Silvia Rogatto², Michael Hier¹, Luiz Paulo Kowalski², Moulay A. Alaoui-Jamali¹; ¹McGill, ²AC Camargo Cancer Center

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Heng-fu Lin, Mu-Kuan Chen; Department of Otorhinolaryngology-Head and Neck Surgery

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Brian J Gebhardt, MD¹, Christopher J Bakkenist, PhD¹, Karen D Holeva¹, Beant S Gill, MD¹, Robert L Ferris, MD, PhD², David A Clump, MD, PhD¹; ¹University of Pittsburgh Cancer Institute Department of Radiation Oncology, ²University of Pittsburgh Cancer Institute Department of Otolaryngology

P048 DEVELOPMENT OF A MASS SPECTROMETRY-BASED DIAGNOSIS OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Kei Ashizawa¹, Kentaro Yoshimura², Hiroki Ishii¹, Hisashi Johno², Keisuke Masuyama¹, Senn Takeda²; ¹Department of Otorhinolaryngology University of Yamanashi, ²Department of Anatomy and Cell Biology University of Yamanashi

P049 CD147/EMMPRIN MEDIATES TGF- β -INDUCED EPITHELIAL-MESENCHYMAL TRANSITION AND HNSCC MIGRATION

Shinsuke Suzuki, MD, PhD, Satoshi Toyoma, MD, Kazuo Ishikawa, MD, PhD; Department of Otorhinolaryngology & Head and Neck Surgery, Akita University Graduate School of Medicine

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P050 EVALUATING THE ROLE OF

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Daniel Wehrmann, MD¹, Ronald Walker, MD¹, Mark Varvares, MD², Susan Crawford, DO¹; ¹Saint Louis University School of Medicine, ²Harvard Medical School

P051 EXAMINING THE ROLE OF MATRIX METALLOPROTEINASE 9 IN ORAL CAVITY SQUAMOUS CELL CARCINOMA AND ITS EFFECTS ON PROGNOSIS

Daniel Wehrmann, MD¹, Ronald Walker, MD¹, Mark Varvares, MD², Susan Crawford, DO¹; ¹Saint Louis University School of Medicine, ²Harvard Medical School

P052 RECURRENCE OF HEAD & NECK SQUAMOUS CELL CARCINOMA IN PATIENTS WITH RADIATION INDUCED FIBROSIS

Joel Jones, MD, Sean Parsel, BS, Chris Kandl, MD, Laine Bowman, OTR, David Garnett, MD, Lisa Shnyder, MD, Christopher Lominska, MD, Kevin Sykes, PhD, Sufi Thomas, PhD; University of Kansas Medical Center

P053 LOSS OF P53/P63 TARGET PERP GENE MAY SERVE AS AN INDICATOR FOR TUMOR CELLS AT THE MARGIN AND LOCAL RECURRENCE

Amanda L. Simmons, MA¹, Christina S Kong, MD¹, Rie von Eyben, MSc¹, Laura D Attardi, PhD¹, Xiaohui Ma, MD², Quynh-Thu Le, MD¹, Cherie-Ann Nathan, MD²; ¹Stanford University, ²Louisiana State University Health Science Ctr.

P055 MICRORNA EXPRESSION AS PREDICTOR OF LOCAL RECURRENCE RISK IN ORAL SQUAMOUS CELL CARCINOMA.

Valentina Manciocco, PhD, Federica Ganci, PhD, Giulia Fontemaggi, PhD, Giuseppe Mercante, MD, Paolo Marchesi, MD, Barbara Pichi, MD, Raul Pellini, MD, Giovanni Cristalli, MD, Giovanni Blandino, PhD, Giuseppe Spriano, MD; Regina Elena National Cancer Institute

P056 MARKERS OF DRUG RESISTANCE IN HEAD AND NECK SQUAMOUS CELL CARCINOMA BY INTEGRATED OMICS ANALYSIS

Anupama R Bhat¹, Manoj K Gupta², Priya Krithivasan³, Priya Sivadasan⁴, Reddy Harsha V Nalla⁴, Sudheendra H V⁴, Kunal Dhas³, Jayalakshmi Nair³, Ram Bhupal Reddy M⁴, Sandip Chavan², Sujatha Darsi⁴, Lavanya Balakrishnan², Shanmukh Katragadda¹, Vikram Kekatpure⁴, Amritha Suresh⁵, Pramila Tata¹, Binay Panda³, Moni A. Kuriakose⁴, Ravi Sirdeshmukh²; ¹Strand Life Sciences, Bangalore-560024, ²Institute

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P057 EFFECTS OF RESVERATROL ON ABERRANT METHYLATION AND CELL MIGRATION IN NASOPHARYNGEAL CARCINOMA

Chih-Hsien Liu, MD¹, Jia-Cheng Lin², Yen-Liang Chang, MD¹, Wen-Hung Wang, MD¹, Pa-Chun Wang, MD, MSc²; ¹Department of Otolaryngology Head and Neck Surgery, Cathay General Hospital, Taipei, Taiwan, ²Department of Life Science, National Central University, Taoyuan, Taiwan, ³School of Medicine, Fu Jen Catholic University, Taipei, Taiwan

P058 EXPRESSION PATTERN OF CANCER STEM CELL MARKERS AT THE TUMOR EDGE

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P059 XENOTRANSPLANTATION IN ZEBRAFISH TO STUDY PROLIFERATION AND PERINEURAL MIGRATION OF HUMAN CANCERS

Juliet Meir¹, Maria Munoz-Sagastibelza², Punam Thakkar, MD², Laura Martello-Rooney, PhD², Richard Kollmar, PhD², Natalya Chernichenko, MD²; ¹Florida Atlantic University, ²SUNY Downstate Medical Center

P060 TLR3 AS A CENTRAL REGULATOR OF HNSCC PROGRESSION

Barbara Wollenberg; Universiyt Clinic Lübeck

P061 DEVELOPMENT OF A DISEASE-SPECIFIC ANIMAL MODEL FOR UPPER AERODIGESTIVE TRACT CARCINOMAS

Hazem Saleh, MD¹, Omar Abdellatif, MSc², Adel Gohar, PhD², Mohamed Osama El Shazly, PhD³, Taher Salah El Din, PhD⁴; ¹Otolaryngology Department, National Institute of Laser, Cairo University, ²Department of Clinical Pathology, Faculty of Veterinary Medicine, Cairo University, ³Department of Pathology, Faculty of Veterinary Medicine, Cairo University, ⁴Nanotechnology Laboratory, Agricultural Research Centre, Egypt

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Michael C Topf, MD, Madalina Tuluc, MD, PhD, David M Cognetti, MD, Joseph M Curry, MD, Adam Luginbuhl, MD; Thomas Jefferson University Hospital

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Amrutha Sherly Mohan¹, Subin T Surendran², Moni A Kuriakose², Mary E Reid³; ¹Dept of Medicine/Dept of Head and Neck Surgery, Roswellpark Cancer Institute, Buffalo, New York, 14263, ²Dept. Head and Neck Surgery, Roswellpark cancer Institute, buffalo, New York, 14263, ³Dept of Medicine, Roswell Park Cancer Institute, Buffalo, New York, 14263

P064 LARGE METASTATIC CERVICAL SWELLING IN TESTICULAR TERATOMA: A RARE FINDING

Varun J Dave, MS, Jaymin A Contractor, MS, DORL; GMC, Surat.

P065 SENTINEL LYMPH NODE BIOPSY FOR ORAL SCCA IN THE ERA OF THE D'CRUZ NECK DISSECTION PAPER

Mark D DeLacure, MD, FACS; New York University School of Medicine

P066 STUDY OF THE SCATTERING OF THE TUMORAL CELLS CONNECTED TO THE SURGICAL ACT IN CARCINOMAS EPIDERMIOIDES WAYS SUPERIOR AERODIGESTIVES

Romina Mastronicola¹, Sophie Cortese¹, Xanglai Wu², Veronique Gillon¹, Jean Louis Merlin¹, Medarine Roch¹, Emilie Beulque¹, Gilbert Faure², Gilles Dolivet¹; ¹institut cancer of lorraine, ²chru nancy

P068 PAPILLARY THYROID CARCINOMA PRESENTING AS A LATERAL NECK CYST

Magid S Althbety, ABORL, , SBORL, Ahmad A Altuwaijri, resedint, Yaser A Ibrahim, FRCSI, Mohammad K Aljohany, SBORL, Saleh A Smayer, FRCS; SECURITY FORCES HOSPITAL

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P070 PARATHYROID CARCINOMA AND ATYPICAL PARATHYROID ADENOMA: EXPERIENCE OF A HEAD AND NECK SURGERY REFERRAL CENTER IN SOUTH AMERICA

Axel Sahovaler, MD, Pedro Picco, MD, Yanzon Alejandro, MD, Ana Jaen, MD, Juan Jose Larrañaga, MD, Eduardo Mazzaro, Marcelo Figari; Italian Hospital of Buenos Aires

P071 PREDICTION OF CENTRAL LYMPH NODE METASTASIS IN PAPILLARY THYROID MICROCARCINOMA: A SINGLE INSTITUTIONAL EXPERIENCE OF 1691 PATIENTS.

Sung-Chan Shin, MD¹, Byung-Joo Lee, MD, PhD¹, Min Joon Park, MD¹, Jeon Yeob Jang, MD, PhD¹, Wonjae Cha, MD, PhD¹, Soo-Geun Wang, MD, PhD¹, Jin-Choon Lee, MD, PhD²; ¹Pusan National University Hospital, ²Yongsan Pusan National University Hospital

P072 OUTCOMES-BASED MANAGEMENT PROTOCOL FOR PRIMARY HYPERPARATHYROIDISM IN A SINGLE INSTITUTION: UTILITY OF SURGEON PERFORMED ULTRASOUND

Vikrum Thimmappa, MD, Joshua Wood, MD, Merry Sebelik, MD; University of Tennessee Health Science Center

P073 HOW TO SELECT BETHESDA III CLASSIFICATION PATIENTS FOR SURGERY VERSUS ACTIVE SURVEILLANCE, WITHOUT USING GENETIC TESTING: A SINGLE INSTITUTE EXPERIENCE, PROSPECTIVE ANALYSIS AND RECOMMENDATIONS

Oded Cohen, MD, Sharon Tzelnick, MD, MPH, Yonatan Lahav, MD, Doron Schindel, MD, Doron Halperin, MD, MPH, Moshe Yehuda, MD; Kaplan Medical Center

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Paul Lennon¹, Sandra Deady², John Kinsella¹, Conrad ITimon¹, Martina Morrin³, Mary Leader³, Amar Agha³, Arnold D Hill³, James Paul O'Neill¹; ¹St. James's Hospital, Dublin, ²National Cancer Registry, Ireland, ³Beaumont Hospital, Ireland

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P076 ASPIRIN AND BLEEDING COMPLICATIONS IN THYROID SURGERY

Blake S Raggio, MD¹, Emad Kandil, MD¹, Paul Friedlander, MD¹, Taha Hassoon, MD², Zaid Al-Qurayshi, MD², Blair Barton, MD¹; ¹Tulane University Medical Center, Department of Otolaryngology, ²Tulane University Medical Center

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P078 COMPARISON OF UPFRONT DIAGNOSTIC THYROID LOBECTOMY VERSUS SURVEILLANCE STRATEGY IN THE MANAGEMENT OF THYROID NODULES WITH BETHESDA CLASS III CYTOLOGY

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P079 MIDLINE STERNOTOMY UTILISATION IN THYROID MALIGNANCY

Jay Goswamy, Francine Ryba, Ricard Simo; Guy's and St Thomas' NHSFT

P080 EARLY IMPROVEMENTS IN MOOD AND SLEEP FOLLOWING PARATHYROIDECTOMY FOR PRIMARY HYPERPARATHYROIDISM.

Shivani Shah-Becker, MD, Jonathan Derr, MS, MBA, Benjamin S Oberman, MD, Aaron Baker, MD, Michele M Carr, DDS, MD, PhD, David Goldenberg, MD; Penn State Milton S. Hershey Medical Center

P081 DEATH RELATED TO PULMONARY METASTASIS IN PATIENTS WITH DIFFERENTIATED THYROID CANCER: DEDIFFERENTIATION AS AN INDEPENDENT PROGNOSTIC FACTOR

Ana K Leite, MD¹, Beatriz G Cavalheiro, PhD¹, Marco Aurelio V Kulcsar¹, Lenine G Brandão, PhD², Claudio R Cernea, PhD², Leandro L Matos, PhD¹; ¹Instituto do Câncer do Estado de São Paulo, ²University of São Paulo Medical School

P082 ADVANTAGES OF ROBOTICALLY DRIVEN HIGH RESOLUTION OPTICS FOR HEAD AND NECK SURGERY.

Martin Corsten, MD, FRCSC; Aurora Health Care

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Daniel A O'Connell, MD, MSc¹, Joel Davies, MD², Brittany Barber, MD¹; ¹University of Alberta, ²University of Toronto

P084 THYROID NODULE MULTIDISCIPLINARY TEAM IMPROVES FNA ACCURACY

Patricia S McAdams, MD, Aurora Standlee, MD, Jacqueline Anderson, MD, Michelle Song, DO, Wayne J Harsha, MD; Madigan Army Medical Center

P085 HOW MANY OF THE THYROID NODULES ARE CANCER ?

Corina Galesanu, PhD, C I Plinzaru, MD, D Niculescu, PhD, N Danila, PhD, Delia Ciobanu, PhD; University of Medicine and Pharmacy "Gr.T.Popa"

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Catherine F Sinclair, MD; Mount Sinai West, New York

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Aline P Miazaki, MD, Vergilius JFA Neto, MD, Claudio R Cernea, Professor, Lenine G Brandao, Professor, Vergilius JFA Filho, Professor; Sao Paulo University - Brazil

P088 HISTOPATHOLOGICAL FEATURES AND OUTCOMES OF POORLY DIFFERENTIATED THYROID CARCINOMA.

Jay Goswamy, Jean-Pierre Jeannon, Johnathan Hubbard, Ash Chandra, Rose Ngu, Mufaddal Moonim, Edward Odell, Paul Carroll, Jake Powrie, Hosahalli Mohan, Mary Lei, Iain Nixon, Ricard Simo; Guy's and St Thomas' NHSFT

P089 AMBULATORY THYROIDECTOMY: A SAFE PROCEDURE COSTA RICAN INSTITUTE OF ONCOLOGY EXPERIENCE- AMBULATORY SURGERY PROGRAM

Efrain Cambronero, MD, Carlos Valverde, MD, Francisco Chen, MD, Armando Meneses, MD; Costa Rican Institute of Oncotherapy

P090 INCREASING THYROID CANCER RATE AND THE EXTENT OF THYROID SURGERY IN KOREA

Il-Seok Park; Hallym University Dong-tan Sacred Heart Hospital, Department of Otolaryngology-Head and Neck Surgery

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Gustavo Manta¹, José Brandão², Beatriz Cavalheiro², Leandro Luongo², Marco Aurelio Kulcsar², Claudio Cernea¹, Vergilius Araújo Filho¹; ¹Departament of Head and Neck Surgery, Clinics Hospital, University of Sao Paulo Medical School, Brazil, ²Instituto de Oncologia de Sao Paulo - ICESP, Clinics Hospital, University of Sao Paulo Medical School, Brazil

P092 REFERRAL TRENDS FOR THYROIDECTOMY FOR GRAVES' DISEASE

Warren C Swegal, MD, Steven Chang, MD, Michael C Singer, MD; Henry Ford Health System, Dept of Otolaryngology

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Erin K Greenleaf, MD, MS, Shivani Shah-Becker, MD, Neerav Goyal, MD, MPH, Christopher S Hollenbeak, PhD, Melissa M Boltz, MD, MBA; Penn State Hershey Medical Center

P094 THE TRUE INCIDENCE OF VOCAL FOLD PARALYSIS IN PATIENTS UNDERGOING PRIMARY THYROID AND PARATHYROID SURGERY

Salem I Noureldine, MD¹, Dane J Genthner, MD¹, Jonathon O Russell, MD¹, Ahmed Hassoon, MD, MPH², Ozan B Ozgursoy, MD¹, Mai AlKhadem, MD¹, Ralph P Tufano, MD, MBA¹; ¹Johns Hopkins University School of Medicine, ²Johns Hopkins University School of Public Health

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Ayman S Nabawi, MD, PhD, FRCS, FRCSI, Diab Ahmed, MD, Hatem F Alwagih, MD, PhD, Essam Gabr, MD, PhD, Tarek Koraitim, MD, PhD, Waleed Abolwafaa, Basma Elsabee, MD, PhD, Yasser Hamza, MD, PhD, Mahmoud Sakr, MD, PhD; Alexandria University School of Medicine

P096 A 10-YEAR EXPERIENCE OF SURGICAL TREATMENT OF PRIMARY HYPERPARATHYROIDISM DUE TO PARATHYROID TUMOR

Lu Feng, MD, Xu Zhang, MD, Shanting Liu, MD, PhD; The Affiliated Cancer Hospital of Zhengzhou University

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Kursat Gokcan, MD, Ciler Tezcaner, MD, MS, Murat Kicali, MD, MS, Babur Kucuk; Ankara University Medical School

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Dev P Kamdar, MD, Benjamin E Saltman, MD, Douglas K Frank, MD, David Zeltsman, MD; Long Island Jewish Medical Center, Northwell Health

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P103 RETRO-AURICULAR THYROIDECTOMY: AN OPEN APPROACH

Jason Trahan, MD, Laura Pelaez, MD, Michael DiLeo, MD, Daniel Nuss, MD, Leslie Son, PhD, Rohan Walvekar, MD; Louisiana State University- New Orleans

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Rafael N Goulart, MD, Luiz R Medina dos Santos, MD, PhD, Felipe B Chiaramonte Silva, MD, Priscila Goulart, MD; Oncology Research Center - Florianopolis - Brazil

P105 A FLEXIBLE, SINGLE-ARM ROBOTIC SURGICAL SYSTEM FOR RETROAURICULAR THYROIDECTOMY: PRECLINICAL CADAVERIC STUDY

Myung-Chul Lee, MD, PhD¹, Yoon Woo Koh, MD, PhD², Gil Chai Lim, MD³, Eun Chang Choi, MD, PhD², Christopher Holsinger, MD, FACS⁴; ¹Division of Head and Neck Surgery, Department of Otolaryngology, School of Medicine, Stanford University, Palo Alto, California, United States, Department of otorhinolaryngology Head & Neck Surgery, Korea Cancer Center Hospital, Seoul, Republi, ²Department of Otorhinolaryngology, Severance Hospital, Yonsei University Health System, Yonsei University College of Medicine, Seoul, Republic of Korea, ³Department of Otolaryngology Head & Neck Surgery, Jeju

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Jin-Choon Lee, PhD, Byung-Joo Lee, PhD, Soo-Geun Wang, PhD; Pusan National University School of Medicine

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Daniel J Roche, MD, JD¹, David P Goldstein, MD, MSc², John R de Almeida, MD, MSc³; ¹Duke University Medical Center, ²Princess Margaret Hospital

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Corliss Best¹, Danielle MacNeil, Dr²; ¹Northern Ontario School of Medicine, ²Western University

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Paul D Judge, MD¹, Joseph Mensourek¹, Jordan Schramm, MD², Robert Cusick, MD³, William Lydiatt, MD¹; ¹University of Nebraska Medical Center, ²The Children's Hospital of Philadelphia, ³Children's Hospital and Medical Center (Omaha)
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Mahesh V Kattimani, MS, ENT¹, Donald John Babu, MS, FCPS, FMAS, FIAGES, MCh, FEBS²; ¹BKL WALAWALKAR RURAL MEDICAL COLLEGE, ²Tata Memorial Cancer Hospital

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Carlos S Duque, MD¹, Claudia Monsalve, MD², Jose L Torres, MD³, Juan C Perez, MD¹, Alejandro Velez, MD¹, Sergio Hoyos, MD¹, Edgar Idarraga, MD³; ¹Hospital Pablo Tobon Uribe, ²Universidad Pontificia Bolivariana, ³Clinica Las Americas

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Jiaqing Xiong, MD¹, Nagaraja R Gangodu, BSc², Gita Krishnaswamy, MSc¹, Sharon Raynor, MSc², Kwok Seng Loh, MD², Chwee Ming Lim, MD²; ¹Duke-NUS Graduate Medical School, ²National University Hospital Singapore

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Kevin Motz, Harry Quon, MD, MS, Hyunseok Kang, MD, Ana P Kiess, MD, PhD, Robert J Herbert, BS, David W Eisele, MD, Kevin D Frick, PhD, Christine G Gourin, MD, MPH; Johns Hopkins University

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Ashley C Mays, MD¹, Paul S Wistermayer, BS¹, Matt L Rohlfing, BS¹, Harrison G Bartels, BA¹, Christopher M Gentile, MD¹, Ralph D'Agostino, Jr., PhD², Joshua D. Waltonen, MD¹; ¹Wake Forest University Otolaryngology, ²Wake Forest Biostatistics

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Hubert Low, Krupal B Patel, MD, Allison Partridge, S. Danielle MacNeil, MD, Anthony Nichols, MD, John Yoo, MD, Kevin Fung; Western University

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Yasi Amanat, MA, OTRL, Stacey Morikawa, OTD, OTRL, CLT, Helen Mirsaedi, OTD, OTRL, CLT, Mahjabeen Aftab Hashmi, OTRL, CLTLANA; University of Southern California

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Magdalena Chirila, PhD, MD¹, Cristina Tiple, MD¹, Florina V Dinescu, MD¹, Silviu Matu², Radu Soflau², Mircea Giurgiu, PhD³, Adriana Stan, PhD³, Daniel David, PhD⁴; ¹Iuliu Hatieganu University of Medicine and Pharmacy Cluj-Napoca, Romania, ²Babes-Bolyai University Cluj-Napoca, Romania, ³Technical University,

Cluj-Napoca, Romania, ⁴Icahn School of Medicine at Mount Sinai, New York, USA.

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Jin Won Kim, MD¹, Ji Hoon Kim, MD¹, Da Hee Kim, MD¹, Jung Min Kim, MD¹, Won Shik Kim, MD¹, Hyung Kwon Byeon, MD¹, Jae Wook Kim, MD², Jae Hong Park², Myung Jin Ban, MD², Hyun Jun Hong, MD, PhD³, Yoon Woo Koh, MD, PhD¹, Eun Chang Choi, MD, PhD¹; ¹Yonsei University College of Medicine, ²Soonchunhyang University College of Medicine, ³Catholic Kwandong University College of Medicine

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Aurora Standlee, MD¹, Namou Kim, MD², M C Tiu, PAC², Wayne Harsha, MD¹; ¹Madigan Army Medical Center, ²Swedish Medical Center, Seattle WA

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Isa Özbay, MD, Ali C Yumusakhuyulu, MD, Matthew Old, MD³, Amit Agrawal, MD³, Theodoros Teknos, MD³, Enver Ozer, MD³; ¹Dept of Otolaryngology-Head and Neck Surgery, Arthur G. James Cancer Hosp and Richard J. Solove Research Institute, Comprehensive Cancer Ctr, the Ohio State Uni Wexner Medical Ctr, Columbus, Ohio, USA; ²Department of Otolaryngology, Head and Neck Surgery, Dumlupinar Uni, Kutahya, Turkey. ³Department of Otolaryngology-Head and Neck Surgery, Arthur G. James Cancer Hospital and Richard J. Solove Research Institute, Comprehensive Cancer Center, the Ohio State University Wexner Medical Center, Columbus, Ohio, USA

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Katherine L Fedder, MD¹, Jason Leibowitz, MD²; ¹University of Virginia, ²University of Miami

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Masao Toji¹, Tokio Hasegawa, MD², Kazuo Kishi, MD³, Hak Chang, MD, PhD³, Nobuaki Imanishi, MD³; ¹Shin-yurigaoka General Hospital, ²Stella Clinic, Akita, ³Keio University

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Michael R Kaufman, MD, Thomas Gal, Charles Wooten, Mahesh Kudrimoti; University of Kentucky

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Donald John Babu, MSFCPSMChFMASFIAGESFEBS, Surg. Onco, Prathmesh Srinivas Pai, MSDNBDORLMNAMS; Tata Memorial Cancer Hospital

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Heather Starmer, MA, CCCSLP, BCSS¹, Russell H Taylor, PhD², Salem I Nouredine, MD³, Jeremy D Richmon, MD³; ¹Stanford School of Medicine, ²Johns Hopkins University School of Engineering, ³Johns Hopkins University School of Medicine

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Susan Bolt, MSP¹, Tanya Eadie, PhD¹, Kathryn Yorkston, PhD², Carolyn Baylor, PhD², Dagmar Amtmann, PhD²; ¹Department of Speech and Hearing Sciences, University of Washington, Seattle, WA, USA, ²Department of Rehabilitation Medicine, University of Washington, Seattle, WA, USA

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Samuel J Rubin¹, Chandala Chitguppi², Diana N Kirke¹, Minh T Truong¹, Scharukh Jalisi¹; ¹Boston Medical Center, ²Maulana Azad Medical College, New Delhi, Delhi, India

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Jason A Call, MD², Jeffrey D Bunn, MD⁴, Ryan Nachreiner, MD¹, Christopher M Lee, MD², Robert K Fairbanks, MD², Wayne T Lamoreaux, MD², Aaron Wagner, MD², Shelley Berdar, RN³, Brian Mitchell, DO⁴; ¹Providence Spokane Heart Institute,

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Sharon Tzelnick, MD, MPH, Aviram Mizrachi, MD, Gideon Bachar, Raphael Feinmesser, Naomi Rabinovics; Department of Otolaryngology, Head and Neck Surgery, Rabin Medical Center, Petah Tikva, Israel

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Shearwood McClelland III, MD, Anuj Goenka, MD, [Sewit Teckie, MD](#), Janna Z Andrews, MD; Department of Radiation Medicine, Northwell Health, New York, New York

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[Kazunori Fujiwara, MD, PhD](#), Katsuyuki Kawamoto, MD, PhD, Kenkichi Taira, MD, PhD, Hiromi Takeuchi, MD, PhD; Tottori University

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[Gabriela Constantinescu, MScSLP¹](#), Kristina Kuffel, EIT², Daniel Aalto, PhD¹, Hadi Seikaly, MD, MAA Leadership, FRCSC², Jana Rieger, PhD¹; ¹University of Alberta; Institute for Reconstructive Sciences in Medicine, ²University of Alberta

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[Amine Rafik, MD](#), Samira Taquafi, MD, Mounia Diouri, Pr, Naima Bahechar, Pr, Abdessamad Chlihi, Pr; National center of burns and plastic surgery, University Hospital Ibn Rochd, Casablanca, Morocco

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P205 PREOPERATIVE BIOMARKERS AS PREDICTORS OF SURGICAL COMPLICATIONS AND SURVIVAL IN HEAD AND NECK CANCER

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P206 PARALYZING THE FACE TO MAKE IT MORE NORMAL

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P207 PREDICTING AND MANAGING ORAL AND DENTAL COMPLICATIONS OF SURGICAL AND NON-SURGICAL TREATMENT FOR HEAD AND NECK CANCER; A CLINICAL GUIDELINE

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P208 EVALUATION OF LUNG FUNCTION IN PATIENTS SUBMITTED TO TOTAL LARYNGECTOMY WITH A STANDARDIZED EXTRA-TRACHEAL DEVICE

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P209 PATTERNS OF RESPONSE TO A WEB-BASED CROSS SECTIONAL FUNCTIONAL OUTCOMES QUESTIONNAIRE AMONG LONG-TERM OROPHARYNGEAL CANCER SURVIVORS

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P210 DOES P 16 STATUS INFLUENCE SWALLOWING OUTCOME AFTER DEFINITIVE CHEMORADIATION FOR HAD AND NECK CANCER?

Donna S Lundy, Professor, Mario Landera, Assistant, Professor, Zoukaa Sargi, MD, Chetan Nayak, MD, Amanda Demane, MA, Jason Leibowitz, MD, Kaming Lo, PhD; U. of Miami Miller School of Medicine

P211 INTRAOPERATIVE RECONSTRUCTION OF TRANSECTED RECURRENT LARYNGEAL NERVE DURING THYROID SURGERY

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P212 FUNCTIONAL OUTCOMES POST LARYNGECTOMY: A SIX YEAR RETROSPECTIVE

Nehmat Singh, Dr, Samerah Saeed, Dr, Nara T Orban, Miss, Safina Ali, Miss, Alasdair Mace, Mr, Peter M Clarke, Mr; Charing Cross Hospital, Imperial HCT

P213 THE ROLE OF PERCEIVED SOCIAL SUPPORT AND RESILIENCE ON COMMUNICATIVE PARTICIPATION IN HEAD AND NECK CANCER SURVIVORS

Lauren Faust, BA, Susan Bolt, MSP, Mara Kapsner-Smith, MSP, Cara Sauder, MA, Rebecca Hunting Pompon, PhD, Carolyn Baylor, PhD, Tanya Eadie, PhD; University of Washington

P214 ANATOMIC JUSTIFICATION OF MINIMAL INVASIVE COMBINED TRANSCONJUNCTIVAL -TRANSORAL APPROACH IN TREATMENT OF EXTENDED TUMORS OF THE MIDFACE ZONE.

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P216 END-OF-LIFE OF PATIENTS SUFFERING FROM A HEAD AND NECK CANCER: EUTHANASIA, AN ACCEPTABLE SOLUTION? THE EXPERIENCE IN A COUNTRY WHERE EUTHANASIA IS ALLOWED.

Pierre Demez, MD, PhD, Pierre Moreau, MD, PhD, Pierre Ransy, MD, Olivier Bouchain, MD, Justine Rahier, MA; Chu Sart-Tilman Liège Belgium

P217 MANAGEMENT OF CUTANEOUSLY EXPOSED CAROTID ARTERY STENTS IN RECURRENT AND UNRESECTABLE HEAD AND NECK CANCER

Thomas O'toole, MD, Christopher A Rayles, Kerstin M Stenson, MD, Thomas J Nielsen, MD, Samer Al-khudari, MD; Rush University Medical Center

P218 EFFICACY OF SWALLOWING REHABILITATION FOR HEAD AND NECK CANCER PATIENTS TREATED BY SURGERY OR CHEMORADIOTHERAPY

Katsunori Katagiri, Kiyoto Shiga, Daisuke Saito, Kazumi Ono, Hiroaki Saito; Iwate medical University

P219 ASSESSMENT OF QUALITY OF LIFE IN PATIENTS WITH ADVANCED LARYNGEAL MALIGNANCIES UNDERGOING RADICAL SURGERY

Fernanda G Souza, PhD, MS, Izabella C Santos, PhD, MS, Fernando L Dias, PhD, MS, Luiz C Thuler, PhD, MS, Anke Bergmann, PhD, MS; Brazilian National Cancer Institute

P220 UTILITY OF THE VIDEOLARINGOSCOPY SYSTEM KING VISION FOR AN ADEQUATE PLACEMENT OF THE NIM EMG ENDOTRACHEAL TUBE: CASE REPORT

Mariana I. Herrera-guerrero, MD¹, Juan Felipe Sanchez-marle, MD¹, Marco A. Chavez Ramirez, MD¹, Antonio Gomez-Pedraza, MD²; ¹ABC MEDICAL CENTER, ²INSTITUTO NACIONAL DE CANCEROLOGIA

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P221 "WHAT I READ DIDN'T MAKE

SENSE": PATIENTS WHO DECIDED TO MONITOR INCIDENTALLY DETECTED THYROID NODULES AND CANCERS

Gregory Hanson, BS, MPH¹, Chase Hendrickson, MD², Louise Davies, MD, MS³; ¹Geisel School of Medicine at Dartmouth, ²Dartmouth Institute for Health Policy & Clinical Practice, ³VA Outcomes Group, White River Junction, VT

P222 NECK HEMATOMA AFTER MAJOR HEAD AND NECK SURGERY: RISK FACTORS AND RESOURCE UTILIZATION

Erin K Greenleaf, MD, MS, Melissa M Boltz, MD, MBA, Shivani Shah-Becker, MD, Christopher S Hollenbeak, PhD, Neerav Goyal, MD, MPH; Penn State Hershey Medical Center

P223 RECRUITING PATIENTS TO TRIALS IN HEAD AND NECK CANCER: A QUALITATIVE EVALUATION OF THE TUBE MULTICENTRE RANDOMISED CONTROLLED FEASIBILITY TRIAL

Nikki Rousseau, PhD, Tim Rapley, PhD, Jo Patterson, PhD, MRCSLT, Ben Heaven, PhD, David Hamilton, PhD, MRCS, Vinidh Paleri, MS, FRCS, On Behalf Of the TUBE trial team; Newcastle University

P224 HIGH FREQUENCY OF THYROID CANCER IN PR337H MUTATION POSITIVE PATIENTS: A CASE FOR GENETIC TESTING?

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P225 INDIVIDUALIZED RISK PREDICTION OF SURVIVAL IN PATIENTS WITH ORAL CAVITY CARCINOMA USING ONLINE CALCULATORS

Andrew G Shuman, MD, Victoria Prince, Emily Bellile, Yilun Sun, Gregory T Wolf, MD, Jeremy MG Taylor, University of Michigan Head & Neck SPORE Program; University of Michigan

P226 DEVELOPMENT AND VALIDATION OF A CLINICAL RISK SCORE FOR PREDICTING VENTILATION AFTER HEAD & NECK CANCER SURGERY (VANCS)

Brittany Barber, MD, Cameron Shillington, MD, Shannon Rychlik, RN, Michael Meier, MD, FRCS, Khalid Ansari, MD, MEd, FRCS, Vincent Biron, MD, PhD, FRCS, Daniel O'Connell, MD, MSc, FRCS, Hadi Seikaly, MD, MAL, FRCS, Jeffrey Harris, MD, MHA, FRCS; University of Alberta

P227 CLINICAL ANALYSIS OF HEAD AND NECK CANCERS IN ELDERLY PATIENTS

Kazuhiko Minami, MD, Shunsuke Takamatsu, MD, Masashi Sugawara, MD, Mitsuhiko Nakahira, MD, Yasuhiro Ebihara, MD, Yasunao Kogashiwa, MD; Department of Head and Neck Surgery, Saitama Medical University International Medical Center

P228 IMPROVING THE TIMELINESS OF HEAD AND NECK CANCER CARE

Carol M Lewis, MD, MPH, Zhannat Nurgalieva, PhD, Ehab Y Hanna, MD, David I Rosenthal, MD, Randal S Weber, MD; University of Texas MD Anderson Cancer Center

P229 DETERMINANTS OF COST IN HEAD AND NECK CANCER TREATMENT: IMPLICATIONS FOR A BUNDLED PAYMENT MODEL

Shlomo A Koyfman, MD, Matthew C Ward, MD, Craig Savage, MBA, Kimberly Bell, RN, MBA, Narcissa Houston, BA, Brian B Burke, MD, MEd, David J Adelstein, MD, John H Suh, MD, Scott Platz, MBA, Robert Lorenz, MD, MBA; Cleveland Clinic

P230 A NEW PARADIGM: TEAM-BASED APPROACH TO HEAD & NECK CANCER CARE

Mihir R Patel, MD, Mark W El-Deiry, MD, Jeffery T Wadsworth, MD, Amy Y Chen, MD; Emory University

P231 EXPERIENCE WITH AMBULATORY SALIVARY GLAND SURGERY IN COLOMBIA.

Alvaro Sanabria, MD, MSc, PhD; Department of Surgery, Universidad de Antioquia-Hospital Pablo Tobon Uribe

P232 IS NECK DISSECTION ASSOCIATED WITH AN INCREASED RISK OF PERIOPERATIVE STROKE?

John D Cramer, MD¹, Urjeet A Patel, MD², Sandeep Samant, MD¹, Stephanie S Smith, MD, MS¹; ¹Northwestern University Feinberg School of Medicine, ²John H. Stroger, Jr. Hospital of Cook County

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P233 SOCIOECONOMIC RISK FACTORS FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA IN SINGAPORE

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P234 OLDEST-OLD HEAD AND NECK ONCOLOGY PATIENTS

[Doron Sagiv](#), MD, Sahar Nadel, DMD, Jobran Mansour, MD, Lev Bedrin, MD, Alex Dobriyan, DMD, Ran Yahalom, DMD, Yoav P Talmi, MD, FACS, Eran E Alon, MD; Chaim Sheba Medical Center, Israel

P235 COMPARISON OF FREE FLAP OUTCOMES AT A UNIVERSITY HOSPITAL VERSUS COUNTY HOSPITAL SETTING

Mark S Swanson¹, Michael H Tan², Sheng Zhou², [Yanchen Zhang](#)², Tamara N Brown, MD¹, Uttam K Sinha, MD¹, Neils Kokot, MD¹; ¹Department of Otolaryngology - Head and Neck Surgery, University of Southern California, ²Keck School of Medicine of University of Southern California

P236 OUTPATIENT THYROIDECTOMY: A PROPENSITY SCORE ANALYSIS OF TWO INTERRUPTED SERIES.

[Adonis Ramirez](#), MD¹, Alvaro Sanabria, PhD²; ¹University Hospital of Neiva, ²Universidad de Antioquia. Fundaron Colombiana de Cancer

P237 THE HIDDEN HEALTH TOLL OF RACIAL, INSURANCE, AND GEOGRAPHIC DISPARITIES IN HEAD AND NECK SQUAMOUS CANCER OUTCOMES

Dominique J Monlezun, MPH¹, [Daniah Bu Ali](#), MD², Zaid Al-Qurayshi, MD, MPH², John B Hamner, MD², Paul Friedlander, MD², Emad Kandil, MD, MBA²; ¹Department of Global Health Management & Policy, Tulane University School of Public Health and Tropical Medicine, ²Department of Surgery, Tulane University School of Medicine

P238 3RD HEAD AND NECK PATHOLOGY SCREENING CAMPAIGN

[Igor Reshetov](#), MD¹, Valeriy Starinskiy, MD², Marina Kazantseva, MD³, Oleg Kit, MD⁴, Marina Yengibarian⁴, Victoria Dvornichenko, MD⁵, Victoria Shcherbina⁶; ¹I.M.Sechenov First Moscow State Medical University, Moscow, Russia., ²PA Hertenzen Moscow Cancer Research center, Moscow, Russia., ³Clinical Oncological Dispensary #1 Ministry of Health of Krasnodar Region, Krasnodar, Russia, ⁴Rostov Cancer Research Center, Rostov, Russia, ⁵Yakutsk State Oncological Dispensary, Yakutsk, Russia, ⁶Institute of Advanced Studies FMBA Russia, Moscow, Russia.

P239 MEDICAID DISCOUNT RATE AS COMPARE TO MEDICARE FOR HEAD AND NECK SURGERIES: NATIONAL PERSPECTIVE

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P240 THE IMPACT OF IMPLEMENTING A SPEECH AND SWALLOWING REHABILITATION PROGRAM ON PHYSICIAN FOCUS ON FUNCTIONAL OUTCOMES.

[Heather M Starmer](#), MA, CCCSLP, BCSS¹, Noel Ayoub, BS¹, Jennifer Kizner, MEd, CCCSLP, BCSS², Quynh Li, MD², Wendy Hara, MD², Floyd C Holsinger, MD¹; ¹Stanford University, ²Stanford Cancer Center

P242 MAXIMISING RECRUITMENT TO HEAD AND NECK CANCER TRIALS: LESSONS LEARNED AT BRADFORD.

Andrew Pick, Mr, [Janet Johnson](#), Sister, Michael Ho, Mr; Bradford Teaching Hospitals NHS Foundation Trust

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P243 SALVAGE TOTAL LARYNGECTOMY OUTCOME: EXPERIENCE OF A TERTIARY CARE CANCER CENTER.

[Devendra Chaukar](#), MS, DNB, MBBS, Shilpi Sharma, MS, DNB, MBBS, Harsh Dhar, MS, Anil K D'Cruz, FRCS, MS, DNB; Tata Memorial Hospital, India

P244 TO SET THE APPROPRIATE EXTENT OF RESECTION FOR OPEN LARYNGO-PHARYNGEAL SURGERY

[Kazuto Matsuura](#), MD, PhD¹, Yukinori Asada, MD, PhD¹, Takayuki Imai, MD, PhD¹, Shinkichi Morita, MD¹, Yasutoshi Koshiha, MD¹, Shun Wakamori, MD¹, Tetsuya Noguchi, MD, PhD², Takahiro Goto, MD, PhD², Koreyuki Kurosawa, MD³, Shigeru Saijo, MD, PhD³; ¹Division of Head and Neck Surgery, Miyagi Cancer Center, ²Division of Gastroenterology, Miyagi Cancer Center, ³Division of Plastic and Reconstructive Surgery, Miyagi Cancer Center

P245 SUPRACRICOID PARTIAL LARYNGECTOMY FOR RADIORECURRENT LARYNGEAL CANCER: A SYSTEMATIC REVIEW OF THE LITERATURE.

[Armando De Virgilio](#), Raul Pellini, Giuseppe Mercante, Giovanni Cristalli, Giuseppe Spriano; National Cancer Institute 'Regina Elena' of Rome

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P246 OUTCOMES OF JEJUNUM FREE FLAP FOR PHARYNGO-ESOPHAGEAL RECONSTRUCTION ACCORDING TO THE PREVIOUS RADIATION HISTORY IN THE NECK

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P247 RECURRENCE PATTERNS IN LOCALLY ADVANCED LARYNGEAL AND HYPOPHARYNGEAL CANCERS FOLLOWING SURGERY IN A TERTIARY CANCER CENTER IN INDIA

Ameva A Asarkar, Pankaj Chaturvedi, Devendra Chaukar, Gouri Pantvaideya, Anuja D Deshmukh, Deepa Nair, Sudhir Nair, Sarbani Ghosh Laskar, J P Agarwal, Tejpal Gupta, Ashwini Budrukar, Vedang Murthy, Anil K Dcruz, Prathamesh S Pai; Tata Memorial Hospital

P248 TRENDS IN TREATMENT, INCIDENCE AND SURVIVAL OF ADVANCED HYPOPHARYNX CANCER: A 20-YEAR POPULATION BASED STUDY IN THE NETHERLANDS

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P249 PREVALENCE OF HUMAN PAPILLOMAVIRUS INFECTION AND ITS INCREASING RATES IN SAME TERTIARY HOSPITAL IN TURKISH PATIENTS WITH SQUAMOUS CELL CARCINOMA OF THE LARYNX.

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P250 IMPACT OF CLOSE/POSITIVE MARGINS AFTER TRANSORAL LASER MICROSURGERY IN EARLY GLOTTIC CARCINOMA

Ivana Fiz, MD¹, Francesco Mazzola, MD¹, Francesco Fiz, MD², Diego Barbieri, MD³, Nausica Montaldo, MD³, Francesca Del Bon,

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P252 FACTORS ASSOCIATED WITH MAJOR COMPLICATIONS FOLLOWING TOTAL LARYNGECTOMY WITHOUT FREE FLAP: A REVIEW OF THE AMERICAN COLLEGE OF SURGEONS NATIONAL QUALITY IMPROVEMENT PROGRAM.

Samuel N Helman, MD¹, Brant A Jason, MD², Steven B Cannady, MD², Jason G Newman, MD², Chai Raymond, MD³; ¹New York Eye and Ear Infirmary of Mount Sinai, ²Department of Otolaryngology -Head and Neck Surgery, Hospital of the University of Pennsylvania, ³Department of Otolaryngology, Icahn School of Medicine at Mount Sinai

P253 SURVIVAL OUTCOMES IN PATIENTS WITH T2N0M0 (STAGE II) SQUAMOUS CELL CARCINOMA OF THE LARYNX

Danielle L Gainer, MD, Yael Shinar, Emily Bellile, Matthew E Spector, MD, Jeremy M Taylor, Gregory T Wolf, MD, Norman D Hogikyan, MD, Douglas B Chepeha, MD, Mark E Prince, MD, Carol R Bradford, MD, Avraham Eisbruch, MD, Francis Worden, MD, Andrew G Shuman, MD, University of Michigan Head and Neck Cancer SPORC Investigators; University of Michigan

P254 SURGICAL STRATEGIES IN CERVICAL ESOPHAGEAL CANCER WITH EMPHASIS ON LARYNX PRESERVATION

Koichiro Yonezawa, MD, PhD, Shigemichi Iwae, MD, PhD, Yuji Hirayama, MD, Hidetoshi Matsui, MD, Jun Shigeji, MD; Hyogo Cancer Center

P255 TREATMENT OF SUBGLOTTIC STENOSIS; AN ASSOCIATION OF STAPHYLOCOCCUS AUREUS WITH GRANULOMATOSIS WITH POLYANGIITIS (WEGENER'S).

Jonathan W Fowlkes, MD, Nitin A Pagedar, MD, Henry T Hoffman, MD; University of Iowa Hospitals and Clinics

P256 COMPARISON BETWEEN THE INTRAOPERATIVE FROZEN BIOPSY AND FINAL DIAGNOSIS FOR PRECANCEROUS LESIONS OF THE VOCAL CORDS

Young Ju Jin, MD¹, Won Wook Lee¹, Woojin Jeong¹, Kwang Hyun Kim², Soon-Hyun Ahn¹; ¹Department of Otorhinolaryngology - Head & Neck Surgery, Seoul National University Bundang Hospital, Seoul

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P257 CISPLATIN AND PACLITAXEL HAVE POSITIVE EFFECT ON HOTAIR AND MALAT1 IN LARYNGEAL CANCER

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P258 CLINICAL PREDICTORS OF SURVIVAL AFTER SALVAGE LARYNGECTOMY

Andrew C Birkeland, MD, Andrew J Rosko, MD, Emily L Bellile, MPH, Mohamad R Issa, Rebecca C Hoesli, MD, Andrew G Shuman, MD, Mark E Prince, MD, Gregory T Wolf, MD, Carol R Bradford, MD, Jonathan B McHugh, MD, J Chad Brenner, PhD, Matthew E Spector, MD; University of Michigan

P259 TREATMENT SELECTION IN HYPOPHARYNX CANCER: AN ANALYSIS OF THE NATIONAL CANCER DATABASE

Alexandra Kyrillos, Chi-Hsiung Wang, PhD, Nicholas Campbell, MD, Mihir Bhayani, MD; NorthShore University HealthSystem

P260 PERIOPERATIVE FACTORS PREDISPOSING TO PHARYNGOCUTANEOUS FISTULA AFTER TOTAL LARYNGECTOMY: ANALYSIS OF A LARGE, MULTI-INSTITUTIONAL PATIENT COHORT.

Nicole L Lebo, MD, BEng¹, Hussain Alsaaffar, MBBS, FRCS¹, Martin Corsten, MD, FRCS², Stephanie Johnson-Obaseki, MD, FRCS¹; ¹Department of Otolaryngology - Head and Neck Surgery, University of Ottawa, Ottawa, Canada, ²Aurora St. Luke's Hospital, Milwaukee, WI

P261 PRIMARY SARCOMAS OF THE LARYNX. IN MEXICAN POPULATION

Kuauhuyama Luna-Ortiz, MD¹, Veronica Villavicencio-Valencia, MD¹, Antonio Delgado-Vazquez, MD², Leonado S Lino-Silva, MD¹, Rosa A Salcedo-Hernandez, MD¹; ¹Instituto Nacional de Cancerologia, ²Centro Medico de Occidente IMSS

P262 OUTCOMES OF TRANSORAL SUPRAGLOTTIC LARYNGECTOMY: A COMPARISON OF TRANSORAL LASER MICROSURGERY AND TRANSORAL ROBOTIC SURGERY

Jamie M Segel, MD¹, Greer Albergotti, MD², James K Byrd, MD¹; ¹Georgia Regents University, ²University of Pittsburgh

P263 DO ELECTIVE NECK DISSECTIONS ALTER SALVAGE LARYNGECTOMY OUTCOMES IN THE CLINICAL AND RADIOLOGICAL NO NECK? A 10-YEAR RETROSPECTIVE SURVIVAL ANALYSIS.

Natasha Cohen, MD, MSc, David Choi, MD, Michael Gupta, MD, MSc, FRCS; McMaster University

P265 LONG-TERM RESULTS OF TRANSORAL ENDOSCOPIC LARYNGOPHARYNGEAL SURGERY FOR SUPERFICIAL PHARYNGEAL CANCER

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P266 Withdrawn

P267 PROGNOSIS OF ADVANCED HYPOPHARYNGEAL CARCINOMA WITH RADIOGRAPHIC AND PATHOLOGICAL METASTASIS IN THE LATERAL RETROPHARYNGEAL NODE -A COMPARISON WITH AND WITHOUT EXTRACAPSULAR SPREAD-

Munenaga Nakamizo, MD¹, Kazuhiko Yokoshima, MD¹, Shunta Inai, MD¹, Atsuko Sakanushi, MD¹, Taisei Kato, MD¹, Kimihiro Ohkubo, MD¹, Ryuji Ohashi, MD²; ¹Department of Otolaryngology, Head & Neck Surgery, Nippon Medical School, ²Department of Pathology, Nippon Medical School

P268 PROGNOSTIC SIGNIFICANCE OF LYMPH NODE DENSITY IN PATIENTS WITH HYPOPHARYNGEAL SQUAMOUS CELL CARCINOMA

Yeon-Min Jeong, Young-Hoon Joo, Kwang-Jae Cho, Min-Sik Kim; The Catholic University of Korea

P269 ANALYSIS OF HISTOPATHOLOGIC IMPLICATION IN CONSERVATION SURGERY OF HYPOPHARYNGEAL CANCER

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P270 TRANSORAL SURGERY OUTCOMES IN THE SOUTHEASTERN UNITED STATES

Joshua Harford, Grace Austin, Trevor Hackman; University of North Carolina

P271 T3 GLOTTIC SQUAMOUS CELL CARCINOMA: COMPARING SURGICAL AND NON-SURGICAL TREATMENT MODALITIES USING SEER-MEDICARE DATABASE.

Maha Al-Gilani, S. Andrew Skillington, Dorina Kallogjeri, MD, MPH, Bruce

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P272 RADIATION CHANGES IN LARYNGECTOMY MUCOSAL MARGINS AND THE ASSOCIATION WITH POST-OPERATIVE PHARYNGOCUTANEOUS FISTULA

Marianne Abouyared, MD, Darcy A Kerr, MD, Zoukaa Sargi, MD, MPH, Chetan Nayak, MD, Jamal Ahmed, MD, Jason Leibowitz, MD; University of Miami Miller School of Medicine

P273 RISK FACTOR FOR LOCAL RECURRENCE IN EARLY GLOTTIS CANCER : LONG-TERM RESULT

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P274 MANAGED CARE INSURANCE IS ASSOCIATED WITH OVERALL IMPROVED SURVIVAL IN LARYNGEAL CANCER PATIENTS.

Anna S Wertz, MD, Steven Chang, MD; Henry Ford Hospital

P276 VOCAL CORD GRANULOMA AFTER TRANSORAL LASER MICROSURGERY FOR EARLY GLOTTIC CARCINOMA

Jeong Kyu Kim, Ho Jin Son; Catholic University of Daegu

P277 LONG-TERM OUTCOME OF LARYNGEAL FRAMEWORK RECONSTRUCTION USING TITANIUM MESH IN GLOTTIC CANCER AFTER FRONTOLATERAL VERTICAL PARTIAL LARYNGECTOMY

Xuekui Liu; Sun Yat-sen University Cancer Center

P278 OPEN PARTIAL LARYNGEAL SURGERY - THE BIRMINGHAM EXPERIENCE

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P279 ELEVATED TSH IN THE POST-OPERATIVE PERIOD PREDICTS FISTULA REQUIRING REOPERATION AFTER SALVAGE LARYNGECTOMY

Andrew J Rosko, MD, Andrew C Birkeland, MD, Ashley Miller, BS, Chaz L Stucken, MD, Andrew G Shuman, MD, Chad Brenner, PhD, Gregory T Wolf, MD, Carol R Bradford, MD, Matthew E Spector, MD; University of Michigan

P280 CDSS BASED ON MEBNS - WITH AN EXAMPLE OF THERAPY DECISION MAKING FOR LARYNGEAL CANCER.

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P281 IS THE USE OF MONTGOMERY PHARYNGEAL TUBE USEFUL IN THE TREATMENT OF PHARYNGOCUTANEOUS FISTULAE?

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Murat Yener, MD, Assc, Prof, Mehmet Yilmaz, Caner Inan, Aysegul Batioglu Karaaltin, Fatih Turgut, Emine Deniz Gizen, MD, Emin Karaman, MD, Assc, Prof; istanbul university cerrahpasa school of medicine otorhinolaryngology department

P298 STERNOCLEIDOMASTOID ROTATIONAL FLAP FOR THE AUGMENTATION OF THE SUTURE LINE OF THE NEO-PHARYNX AFTER TOTAL LARYNGECTOMY.

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Christopher J Britt, Gregory K Hartig; University of Wisconsin Hospitals and Clinics

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Sumsum Sunny, MDS¹, Emon Heidari, MSc², Bonney Lee James, MTech¹, Ravindra Dr¹, Subhashini Ar, MDS², Keerthi G, MDS², Shubha G, MDS², Uma K, MDS², Sandeep Kumar, BDS², Swathi Mani, BDS², Vikram Kekatpure, M, Ch¹, Praveen Bn, MDS², Amritha Suresh, PhD¹, Tracie Lam, BS³, Petra Wilder-Smith, DDS, PhD³, Zhongping Chen, PhD³, M Abraham Kuriakose, MD¹; ¹Mazumdar Shaw Medical Center, Bangalore, India, ²KLES Institute of Dental Sciences, Bangalore, India, ³University of California, Irvine

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P320 QUANTIFIED TISSUE DEFORMATION DURING LARYNGOSCOPY

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Ofer Azoulay, MD¹, Yotam Ater, BEng², Lior Gersi, BEng², Yonatan Glassner, BEng², Ori Bryt, BEng², Johanan Erez, PhD², Gil Zoizner, MD¹, Oded Cohen, MD¹, Doron Halperin, MD¹; ¹Kaplan Medical Center, Israel, ²Technion - Israel Institute of Technology, Israel

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Hassan Arshad, MD, Mary E Platek, PhD, Mark Glasgow, MS, Ahmed S Abdelmeguid, MD, Movses Hayrabedian, MD, David Cohan, MD, Vishal Gupta, MD, Wesley L Hicks Jr, MD, Anrugh K Singh, MD, Moni A Kuriakose, MD; Roswell Park Cancer Institute

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P329 RADICAL OR COMPREHENSIVE NECK DISSECTION CORRELATES WITH INCREASED UPTAKE AROUND THE STERNOCLAVICULAR JOINT ON POST-OPERATIVE 18F-FDG PET.

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P332 TONGUE CANCER WITH RARE LEVEL VI NECK METASTASIS DEMONSTRATED BY FDG-PET/CT

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Aginaldo J Graciano, MD, MSc, Carlos T Chone, MD, PHD, Mayara Tabai, MD, Jorge R Paschoal, MD, PHD, Thales Eugeni, Cesar G Senna; Unicamp

P342 COMPARISON OF EFFICACY OF TWO SCHEMES OF CHEMOTHERAPY FOR LOCALLY ADVANCED NASOPHARYNGEAL CARCINOMA.

Larisa Bolotina, PhD, Anna Kornietkaya, MD, Tatiana Deshkina, MD; Moscow Research Institute of Oncology name of P.A. Hertzen - branch of "NMRC", Moscow, Russia

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- P373 A RARE CASE OF ADENOID CYSTIC CARCINOMA IN THE PTERYGOPALATINE FOSSA**
Lu Hui Png¹, Eng Cern Gan²; ¹Singapore General Hospital, Singapore, ²Changi General Hospital, Singapore
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Ching-Nung Wu, MD, Chih-Yen Chien, MD, FACS, Wei-Chih Chen, MD; Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan
- P375 SINONASAL NEUROENDOCRINE TUMOR: A CASE REPORT**
Luis O Domínguez Palomera, MD, Juan J Soto Ávila, MD, Juan C Vázquez Limón, MD; Instituto Jalisciense de Cancerología

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P380 ASSOCIATIONS AMONG PRETREATMENT TUMOR NECROSIS AND THE EXPRESSION OF HIF-1 γ AND PD-L1 IN ADVANCED ORAL SQUAMOUS CELL CARCINOMA AND THE PROGNOSTIC IMPACT THEREOF

Tseng-Cheng Chen, MD, PhD, Cheng-Ping Wang, MD, Tsung-Lin Yang Yang, MD, PhD, Pei-Jen Lou, MD, PhD, Jenq-Yuh Ko; Department of Otolaryngology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

P381 OBSERVATION OF ORAL PREMALIGNANT AND MALIGNANT LESIONS USING THE ESPYOC SYSTEM

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Aviram Mizrahi, MD, Rajasekhar K Vinagolu, PhD, Samuel Brook, BA, Ronald Ghossein, MD, Adriana Haimovitz-Friedman, PhD; Memorial Sloan-Kettering Cancer Center

P384 DOUBTFUL EFFECTIVENESS OF ADJUVANT THERAPY FOR PN1 ORAL CAVITY CANCER IN TAIWAN

Shyung-Der Terng, MD, Ching-yuan Lin, MD, Skye H Cheng, MD, Cheng-fang Horng, MS; Koo Foundation Sun Yat Sen Cancer Center

P385 OSTEOSARCOMA OF THE MANDIBLE: A SITE SPECIFIC RETROSPECTIVE STUDY ON SURVIVAL AND PROGNOSTIC FACTORS

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P386 PROGNOSTIC FACTORS IN ORAL CAVITY SQUAMOUS CELL CARCINOMA - COMPARISON OF PREDICTIVE MODELS

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P387 EFFICIENCY OF COMMUNITY HEALTH CARE WORKERS IN IDENTIFICATION OF ORAL POTENTIALLY MALIGNANT DISORDERS IN A MHEALTH PROGRAM

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P388 SQUAMOUS CELL CARCINOMA OF THE RETROMOLAR TRIGONE: A POPULATION-BASED ANALYSIS OF 4,022 CASES

Edward C Kuan, MD, MBA, Jose E Alonso, BS, Jon Mallen-St. Clair, MD, PhD, Armin Arshi, BS, Maie A St. John, MD, PhD; UCLA

P389 OUTCOME ANALYSIS OF SURGICALLY TREATED LOCALLY ADVANCED BUCCAL MUCOSA CANCERS

Sudhir V Nair, MS, MCh, Manish Mair, MS, Noopur Sawarkar, MDS, Pankaj Chaturvedi, MS, Rajiv Sarin, MD, Anil K D'Cruz, MS; Tata Memorial Center

P390 EVALUATION OF LYMPHATIC AND VASCULAR INVASION IN RELATION TO CLINICOPATHOLOGICAL FACTORS AND TREATMENT OUTCOME IN ORAL CAVITY SQUAMOUS CELL CARCINOMA

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P391 DEPTH OF INVASION AS A PREDICTOR OF DISEASE RECURRENCE IN ORAL TONGUE SQUAMOUS CELL CARCINOMA

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P392 LUGOL'S IODINE PROVIDES ACCURATE RESECTION MARGINS FOR ORAL CAVITY DYSPLASIA RESECTION; A CASE SERIES

James A McCaul, PhD, FRCSOMFS, FRCS, FIBCSOMS, FDSRCPs, MB¹, Raghav R Kulkarni, MRCS, MBBS, BDS¹, Kayleigh

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P393 EARLY FAILURES IN LOCOREGIONALLY ADVANCED ORAL SQUAMOUS CELL CANCERS - ARE WE TREATING THE RIGHT SUBGROUP?

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P394 REBUILDING DIMENSIONAL ORAL CAVITY STRUCTURES FROM TWO DIMENSIONAL SUBSTRATES: A CADAVER STUDY

Robert M Baskin, MD, Martha Burt, MD, Benjamin J Schlott, DMD, MD, Peter T Dziegielewski, MD; University of Florida

P395 TUMOR THICKNESS IS PREDICTIVE OF SENTINEL LYMPH NODE BIOPSY STATUS IN EARLY ORAL SQUAMOUS CELL CARCINOMA

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P396 PATTERNS OF REGIONAL FAILURE IN ADVANCED ORAL CAVITY SQUAMOUS CELL CARCINOMA TREATED WITH UNILATERAL NECK DISSECTION AND ADJUVANT IMRT.

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P397 FACTORS IN ESCALATING THERAPY IN EARLY STAGE ORAL TONGUE CANCER: THE UNC EXPERIENCE

Adam P Campbell, MD, Maheer Masood, BA, Bhisamjit S Chera, MD, Samip N Patel, MD; University of North Carolina at Chapel Hill

P398 SUPRAOMOHYOID NECK DISSECTION VIA RETROAURICULAR APPROACH FOR EARLY ORAL CANCER IN US PATIENTS

Mathew Geltzeiler, Garret W Choby, Peter S Volser, Seungwon Kim, Associate, Professor; University of Pittsburgh

P399 SQUAMOUS CELL CARCINOMA OF THE BUCCAL MUCOSA: PATTERNS OF RECURRENCE AND PROGNOSTIC FACTORS.

Ross Triolo, Dr, Dougal Buchanan, Dr, Tim Iseli, Dr, David Wiesenfeld, AProf; Royal Melbourne Hospital

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P400 OUTCOMES FOLLOWING FREE TISSUE TRANSFER FOR COMPOSITE ORAL CAVITY RESECTIONS INVOLVING SKIN

Sameer Alvi, MD, Marco Ayala, MD, Valerie Wood, MD, Doug Girod, MD, Terance Tsue, MD, Lisa Shnayder, MD, Kiran Kakarala, MD; University of Kansas Dept of OHNS

P401 THE DIFFERENCES AND TRENDS BETWEEN T1,2 AND T3,4 NO ORAL CAVITY CANCER PATIENTS IN TAIWAN

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P402 Withdrawn

P403 TUMOR NECROSIS FACTOR RECEPTOR (TRAF) FAMILY IS ASSOCIATED WITH HEAD AND NECK METASTASIS

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P404 EXPRESSION OF TUMORAL CARBONIC ANHYDRASE IX AND KI67 IN RELATION TO SURVIVAL IN ORAL CAVITY SQUAMOUS CELL CARCINOMA PATIENTS

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P405 DEPTH OF INVASION AND RECURRENCE IN BUCCAL SQUAMOUS CELL CARCINOMA

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P407 THE DIAGNOSTIC PATHWAY IN ORAL CAVITY CANCER

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P409 LSF, A NOVEL MARKER FOR HUMAN ORAL CARCINOGENESIS AND METASTASIS

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P410 THE EFFECT OF INDUCTION CHEMOTHERAPY FOR LOCALLY ADVANCED LINGUAL CANCER

Morimasa Kitamura, MD, PhD, Shigeru Hirano, MD, PhD, Ichiro Tateya, MD, PhD, Yo Kishimoto, MD, PhD, Takehiro Iki, MD, Chiaki Suzuki, MD, Koichi Omori, MD, PhD; Department of Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, Kyoto University, JAPAN

P411 USEFULNESS OF ABSORBABLE SEALING MATERIALS AND FIBRIN GLUE TO WOUND OF PARTIAL GLOSSECTOMY

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P412 MODIFICATION OF THE SUBMANDIBULAR GLAND TRANSFER PROCEDURE

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P413 TELE-MICROSCOPY BASED ORAL CANCER SURVEILLANCE

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P414 CLINICAL AND HISTOPATHOLOGICAL PROFILE OF CENTRAL AND PERIPHERAL GIANT CELL GRANULOMAS IN GNATHIC BONES

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P415 MANDIBULOTOMY AND MANDIBLE SWING FOR ORAL CAVITY AND OROPHARYNGEAL SURGERY - IS THERE A PRICE TO PAY FOR THE ACCESS IT GIVES?

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P416 EVALUATING OF THE EXPRESSION OF PROTEINS RELATED TO LIPOGENESIS AND GLYCOLYSIS IN NASAL AND ORAL MELANOMA.

Edson H Castilla Filho¹, Harim T Santos², Alicia Rumayor², Juliana S Nascimento², Erika S Egal¹, Victor A Montalli³, Álfio J Tincani¹, Antonio S Martins¹, Fernanda V Mariano¹, Albina Altemani¹, Luiz P Kowalski⁴; ¹Faculty of Medical School, ²Piracicaba Dental School, ³São Leopoldo Mandi Faculty, ⁴AC Camargo Cancer Center

P417 CLINICOPATHOLOGICAL PARAMETERS AND LOCREGIONAL RECURRENCE IN ORAL SQUAMOUS CELL CARCINOMA PATIENTS

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P419 THE ROLE OF ALCOHOL ON NOTCH SIGNALING PATHWAY IN VIVO

Yao Liu¹, Xinyan Zhang¹, Xiaobing Guan¹, Xiaoxin Chen², Zheng Sun¹; ¹Beijing Stomatological Hospital, ²North Carolina Central University

P420 CLINICAL ANALYSES OF ORAL CAVITY SQUAMOUS CELL CARCINOMA CASES TREATED BY SURGICAL RESECTION AND RECONSTRUCTION WITH FLAPS: A REPORT OF THE SINGLE INSTITUTION EXPERIENCE OF EIGHT YEARS.

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P423 SUBMENTAL ISLAND FLAP RECONSTRUCTION OF A HEMIPALATE DEFECT WITH VENOUS REROUTING

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P424 EXUBERANT GRANULATION TISSUE FORMATION FOLLOWING FREE FLAP RECONSTRUCTION OF THE ORAL CAVITY

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P425 METASTATIC PROSTATE ADENOCARCINOMA TO THE MANDIBLE PRESENTING LIKE PRIMARY OSTEOSARCOMA- A CASE REPORT AND REVIEW OF THE LITERATURE

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P426 MELANOTIC NEUROECTODERMAL TUMOR OF INFANCY OF THE MANDIBLE: ROLE OF NEOADJUVANT CHEMOTHERAPY

Christopher Maroun, Elie Alam, Pierre Abi Akel, Raya Saab, Ibrahim Khalife, Roger Moukarbel; American University of Beirut

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P427 CAN ALL BONE DESTRUCTIVE SQUAMOUS CELL CARCINOMAS IN THE ORAL CAVITY BE REGARDED AS T4 CARCINOMAS?

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P428 VENOUS VASCULAR MALFORMATION OF THE FLOOR OF MOUTH MASQUERADING AS A DERMOID TUMOR

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P430 SOLITARY FIBROUSTUMORS OF THE ORAL CAVITY

Sidney J Starkman, MD, Michael Cipolla, MD; University at Buffalo

P431 INTRA-OPERATIVE SENTINEL LYMPH NODE EVALUATION: IMPLICATIONS OF CYTOKERATIN 19 EXPRESSION FOR THE ADOPTION OF ONE STEP NUCLEIC ACID AMPLIFICATION (OSNA) IN ORAL SQUAMOUS CELL CARCINOMA

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P432 SECONDARY DEDIFFERENTIATED AMELOBLASTIC CARCINOMA OF THE MANDIBLE MIMICKING SQUAMOUS CELL CARCINOMA AND MIXED TUMOR: REPORT OF A RARE ENTITY

Nina Irawati, MD, Iwan Sidharta, MD, Hendrick Chandra, MD, Kromo Sukardi Sagiran, MD, Alphania Rahniayu, MD, Sunarto Reksoprawiro, MD; Dr. Soetomo General Hospital

P433 MALIGNANT MESOTHELIOMA OF THE TONGUE- PRIMARY PRESENTATION OF UNDIAGNOSED METASTATIC MALIGNANT MESOTHELIOMA

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P434 LYMPHOEPITHELIAL CYST OF THE BUCCAL MUCOSA: CASE REPORT AND REVIEW OF LITERATURE

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P435 INFLUENCE OF PREVIOUS TREATMENT OF ORAL SQUAMOUS CELL CARCINOMA ON THE GEOGRAPHY OF RECURRENT NECK METASTASES: A CASE SERIES OF UNUSUAL LEVEL IV METASTASES

Rosalie A Machado¹, Meghan Rowe¹, Sami P Moubayed, MD², Azita Khorsandi, MD³, Mark L Urken, MD, FACS²; ¹Thyroid, Head & Neck Cancer Foundation, ²Mount Sinai Beth Israel Department of Otolaryngology-Head and Neck Surgery, ³Mount Sinai Beth Israel, Department of Pathology

P436 AMELOBLASTOMAS IN NICARAGUA, MULTIDISCIPLINARY APPROACHED, JANUARY 2003 JULY 2015 . SERIES OF CASE AND REVIEWED OF LITERATURE.

Fj Medrano, Head, and, Neck, surgeon¹, R Padilla, Maxillofacial, surgeon¹, D Quintanilla, Plastic, Surgeon¹, A Alvarado, Pathologi¹, Ra Matus, Radiologi², G Perez, Head, and, Neck, surgeon³, J Delima, Maxillofacial, , surgeon⁴, C Guillen, Nerusurgery⁵; ¹Salud Integral Hospital, ²Rx Center of Imagine , Managua, ³Roberto Huembes Hospital, ⁴Facultad de Odontologia Protesis Bucocomaxilofascial Uruguay, ⁵Monte España Hospital

P437 ODONTOGENIC CARCINOMAS: OUR EXPERIENCES AND LITERATURE REVIEW

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P439 MULTIPLE SYNCHRONOUS PRIMARY SCC OF THE ORAL CAVITY WITH UNDIAGNOSED PAPILLARY THYROID CARCINOMA

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P440 SENTINEL NODE BIOPSY IN EARLY ORAL SCC - WHAT IS THE CURRENT POSITION?

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P441 A UTILIZATION OF SUPER SELECTIVE INTRA-ARTERIAL CHEMOTHERAPY AS INDUCTION CHEMOTHERAPY FOR ADVANCED SQUAMOUS CELL CARCINOMA OF MANDIBLE ALVEOLAR RIDGE: A CASE REPORT

Shigeo Tanaka, DDS, PhD, [Hideo Niwa, MD, PhD](#), Sakurako Yamaguchi, DDS, PhD, Chiaki Furukoshi, DDS, Akiyoshi Ogino, MD, PhD, Hitoshi Hirota, MD, PhD, Teruyasu Hirayama, MD, PhD, Yasuhide Makiyama, MD, PhD, Masamichi Komiya, DDS, PhD; Nihon University School of Dentistry at Matsudo

P442 ONCOCYTIC CARCINOMA OF SUBMANDIBULAR GLAND

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CHEMOTHERAPY/ RADIATION / ADJUVANT TREATMENT P443 - P477

P443 A PHASE 1B STUDY OF NEOADJUVANT IMMUNE BIOMARKER MODULATION WITH CETUXIMAB AND MOTILIMOD IN HEAD AND NECK CANCER (HNC)

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P444 ROLE OF ADJUVANT THERAPY FOR AN UNKNOWN PRIMARY MANAGED BY IN TRANSORAL ROBOTIC SURGERY (TORS)

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P445 A MODULAR POLYMER PLATFORM THAT DELIVERS RECOMBINANT CYTOKINES AND CISPLATIN ALLOWS FOR DE-ESCALATION OF RADIATION THERAPY IN AN ANIMAL MODEL OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

[Maie St. John](#), Jon Mallen St. Clair, Fernando Palma Diaz, MD, Benjamin Wu, DDS, PhD; UCLA

P446 LONGTERM RESULTS OF COMBINED CHEMO-RADIATION THERAPY VERSUS OPERATIVE THERAPY IN ADVANCED ORO- AND HYPOPHARYNX CANCER

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P447 OUTCOMES OF INDUCTION CHEMOTHERAPY FOR HEAD AND NECK CANCER PATIENTS

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P448 POST OPERATIVE RADIO THERAPY FOR ADVANCED-STAGE LARYNGEAL CANCER: A STAGE SPECIFIC SURVIVAL ANALYSIS

[Brian P Cervenka](#), Shyam Rao, Donald G Farwell, Arnaud F Bewley; University of California, Davis

P449 METHODOLOGY OF MOST SIGNIFICANT CUT-OFF LEVEL SUBSTANTIALLY IMPROVES THE OUTCOME PROGNOSIS IN SCCHNC PATIENTS TREATED BY RADIATION WITH OR WITHOUT CHEMOTHERAPY

[Krzysztof Skladowski, MD, PhD](#), Lukasz Boguszewicz, Agata Hajduk, Alicja Heyda, Andrzej Wygoda, Tomasz Rutkowski, Maria Sokol; Institute of Oncology, Maria Sklodowska-Curie Memorial Cancer Center in Gliwice, Poland

P450 RADIATION THERAPY IN HEAD AND NECK MELANOMA: THE UCLA EXPERIENCE

[Christine M Kim, MD](#), Edward C Kuan, MD, John W Frederick, MD, Maie A St. John, MD, PhD; University of California-Los Angeles

P451 CISPLATIN-INDUCED OTOTOXICITY IN HEAD AND NECK CANCER: THE PATTERNS AND PREDICTION

[Chiaki Suzuki, MD](#)¹, Morimasa Kitamura, MD, PhD¹, Ichiro Tateya, MD, PhD¹, Shigeru Hirano¹, Satoshi Morita, PhD², Koichi Oomori, MD, PhD¹, Norio Yamamoto, MD, PhD¹; ¹Department of Otolaryngology-Head & Neck Surgery, Kyoto University Graduate School of Medicine, ²Department of Biomedical Statistics and Bioinformatics, Kyoto University Graduate School of Medicine

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P452 ORAL UFUR IN ADVANCED ORAL CANCER

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P453 INTERIM REPORT OF RESULTS OF HYPOFRATIONATED STEREOTACTIC CYBERKNIFE RADIOTHERAPY OF SINGLE SETTING OR FOLLOWED BY CHEMOTHERAPY FOR PRIMARY SQUAMOUS CELL CANCER OF THE UPPER AERODIGESTIVE TRACT.

Masao Toji, MD, Shin-ichiro Miyazaki, MD; Shin-yurigaoka General Hospital

P454 CURATIVE-INTENT AGGRESSIVE THERAPY FOR ELDERLY LOCALLY ADVANCED HEAD AND NECK CANCER PATIENTS WITH HIGH COMORBIDITY INDEX: IS IT WORTH AGGRESSIVE THERAPY?

Szu-Yuan Wu¹, Sheng-Po Yuan³, Kuan-Chou Lin², Tsung-Ming Chen³, Fei-Peng Lee³, Ming-Tang Lai³, Chia-Che Wu³, Shing-Hwa Liu⁴; ¹Department of Radiation Oncology, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan, ²Department of Oral and Maxillofacial Surgery, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan, ³Department of Otorhinolaryngology, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan, ⁴Institute of Toxicology, College of Medicine, National Taiwan University, Taipei, Taiwan

P455 EWING SARCOMA OF THE HEAD AND NECK: THE MAYO CLINIC EXPERIENCE

Michael D Olson, MD, Kathryn M Van Abel, MD, Eric J Moore, MD; Mayo Clinic

P456 STEREOTACTIC BODY RADIOTHERAPY AS PRIMARY TREATMENT FOR MEDICALLY INOPERABLE HEAD AND NECK CANCER

Maged Ghaly, MD, Kevin Kelley, MD, Mihaela Marrero, Anurag Sharma, Kristin Beadle, Rona Racareanu, Vinh Nguyen, MD, Doru Paul, MD; Hofstra Northwell School of Medicine

P457 LOCAL CONTROL AND INTERMEDIATE TERM COSMETIC OUTCOME FOLLOWING IMRT FOR NASAL TUMORS

Yuki Sasaki, Dr¹, Stefan Janssen¹, Christoph Glanzmann¹, David Holzmann², Gabriela Studer¹; ¹Radiation Oncology, University Hospital Zurich, ²Department of Otorhinolaryngology, Head and Neck Surgery, University Hospital Zurich

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T R Loree, Chairman¹, J Kim, Resident¹, M S Burke, Attending, Surgeon¹, S R Popat, Attending, Surgeon¹, JT Loree, BA¹, D Ford, PA¹, J Dhillon, Attending, Oncologist¹, M Ahmed, Director, of, Oncology¹, M Duff, Radiation, Oncologist², D Shah, Radiation, Oncologist³, R Patil, Attending, Oncologist¹; ¹Erie County Medical Center, ²Cancer Care of WNY

P459 A COMPARATIVE ANALYSIS OF INTRINSIC SUSCEPTIBILITY TO ONCOLYTIC VIRAL THERAPY BETWEEN HEAD AND NECK SQUAMOUS CELL CARCINOMA AND NON SMALL CELL LUNG CARCINOMA: AN EX VIVO PRECLINICAL TRIAL.

Matthew Hearn, MB, BAO, BCH, Jim Dimitroulakos, PhD, P. James Villeneuve, MD, Stephanie Johnson-Obaseki, MD, MPH; The University of Ottawa

P460 RESPONSE TO INDUCTION CHEMOTHERAPY AS THE PREDICTOR OF RESPONSE TO CONCURRENT CHEMORADIATION FOR HEAD AND NECK CANCER: A SYSTEMATIC REVIEW AND META-ANALYSIS

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P461 RENAL PROTECTIVE EFFECT OF A HYDRATION SUPPLEMENTED WITH MAGNESIUM IN PATIENTS RECEIVING CISPLATIN FOR HEAD AND NECK CANCER

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P462 STRATEGIC LOCAL CONTROL OF INOPERABLE REFRACTORY THYROID CANCER BY STEREOTACTIC ROBOTIC RADIO-SURGERY CYBERKNIFE.

Masao Toji, Shin-ichiro Miyazaki; Shin-yurigaoka General Hospital

P463 CONCURRENT INTRA-ARTERY CHEMOTHERAPY AND SIMULTANEOUS IN-FIELD BOOST BY RADIATION THERAPY FOR ADVANCED HEAD & NECK CANCER

Stephen W Leung, MD, Li Chu Pei, MD, Kam Wing Leung, MD, Guan Cheng Huang, MD, Chiung Yu Chen; Yuan" General Hospital

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P464 OUTCOMES FOR PATIENTS WITH N3 HEAD AND NECK SQUAMOUS CELL CARCINOMA TREATED WITH CONCURRENT DEFINITIVE CHEMORADIATION.

Rafi Kabarriti, Nitin Ohri, MD, Thomas Ow, Andrew Tassler, Stuart Packer, Bradley Schiff, Richard Smith, Missak Haigentz, Chandan Guha, Shalom Kalnicki, Madhur K Garg; Montefiore Medical Center

P465 DETERMINATION OF EXPRESSION OF EGFR IN PREMALIGNANT AND MALIGNANT LESIONS OF THE ORAL CAVITY AND EVALUATING THE ROLE OF GEFITINIB IN EGFR POSITIVE LESIONS

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P466 ORGAN-PRESERVING COMBINED TREATMENT OF ORO-PHARYNGEAL CARCINOMAS - SURGERY AND CHEMOTHERAPY TPE

Natalya Sukortseva, Igor Reshetov; I.M.SECHENOV FIRST MOSCOW STATE MEDICAL UNIVERSITY

P467 INHIBITION OF WNT SIGNALING SENSITIZES HEAD AND NECK SQUAMOUS CELL CARCINOMA CELLS TO RADIATION THERAPY

Vicky Yamamoto, PhD, David S Thylur, BA, Michael Bauschard, MS, Uttam K Sinha, MD; Keck School of Medicine of USC

P468 MANAGEMENT OF ELDERLY PATIENTS WITH ADVANCED HEAD AND NECK SQUAMOUS CELL CARCINOMA: DOES AGGRESSIVE TREATMENT RESULT IN BETTER OUTCOMES?

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P469 CLINICAL ANALYSIS OF SMALL CELL CARCINOMA IN THE HEAD AND NECK REGION

Ryunosuke Kogo, Torahiko Nakashima, Hideoki Uryu, Ryui Yasumatsu, Takashi Nakagawa; Kyushu University

P470 EXPRESSION OF TRANSFORMING GROWTH FACTOR BETA-1 DURING WOUND HEALING IN FRACTIONATED RADIATION-INDUCED SKIN ULCERATIONS IN VIVO

Stefania Goncalves, MD, Esperanza Bas, PhD, Christine Dinh, MD, Si Chen, MD, Kyle Padgett, PhD, Perry Johnson, PhD, Zoukaa

Sargi, MD, MPH, Jason Leibowitz, MD, Andrew Rivera, MD, Chetan S Navak, MD; University of Miami

P471 MULTIFOCAL HPV-ASSOCIATED SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK: A CASE REPORT OF THREE SYNCHRONOUS MALIGNANCIES WITH COMPLETE METABOLIC RESPONSE TO INDUCTION CHEMOTHERAPY

David J Phillips, MD, Yuna C Larrabee, MD, R. Wais Rahmati, MD; Columbia University Medical Center

P472 LONG TERM (MORE THAN FIFTY TO SIXTY YEARS AFTER) HEAD AND NECK SIDE EFFECTS OF RADIOTHERAPY GIVEN DURING CHILDHOOD FOR NON-ONCOLOGIC INDICATIONS.

Carlos S Duque, MD¹, Alvaro Escobar, MD², Mercedes Ceron, MD³, Diana P Perez, MD⁴, Marcela Marulanda, MD⁵, Carolina Soto, MD⁶, David Gomez, MD⁷; ¹Hospital Pablo Tobon Uribe/Cancerlogia, ²Ces Cardiologia, ³Clinica El Rosario El Tesoro, ⁴Hospital Militar Medellin, ⁵Clinica Soma, ⁶Hospital Militar Bogota, ⁷Hospital Manuel Uribe Angel

P473 POST-RADIATION PRIMARY MYXEDEMA CAUSING ACUTE AIRWAY OBSTRUCTION

Alice L Tang, MD¹, Daniel Nygren¹, Keith Casper², Michelle Mierzwa², Jonathan Mark, MD¹; ¹University of Cincinnati, ²University of Michigan

P474 ANTIBODY DRUG CONJUGATES FOR THE TREATMENT OF ANAPLASTIC THYROID CANCER

Jae Wook Kim, MD¹, Hwi Jung Na², Yeon Ju Yang, PhD², Myung Jin Ban, MD¹, Hyung Kwon Byon, MD², Won Shik Kim, MD², Hyun Jun Hong, MD, PhD³, Yoon Woo Koh, MD, PhD²; ¹Soonchunhyang University College of Medicine, South Korea, ²Yonsei University College of Medicine, South Korea, ³Kwandong University College of Medicine, South Korea

P475 COMBINED TREATMENT OF OROFACIAL SQUAMOUS CELL CARCINOMA INCLUDING CHEMOTHERAPY AND SURGERY

Natalia Sukortseva, Igor Reshetov, Svetlana Varlamova; I.M.SECHENOV FIRST MOSCOW STATE MEDICAL UNIVERSITY

P476 PEDIATRIC FOLLICULAR LYMPHOMA IN GOOD PROGNOSIS WITH A "WATCH AND WAIT" STRATEGY AFTER COMPLETE RESECTION

So Yoon Lee¹, Kwang Il Kim, PhD¹, Suhee Park²; ¹CHA Bundang Medical Center, CHA University, ²Seoul National University

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P477 METASTASIS IN NECK OF CLEAR CELL RENAL CARCINOMA. A RARE CASE

Andrés C Limardo, Emilio Soza, Adrian Ortega, Ruben Padin; Hospital Prof. A. Posadas

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P478 TRANSORAL ROBOTIC SURGERY AND CONCURRENT THERAPEUTIC LEVEL II-IV SELECTIVE NECK DISSECTION IS SAFE AND EFFICACIOUS FOR THE TREATMENT HPV+ OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Ashish Patel, MD, DMD¹, Rom Leidner, MD¹, Felix Sim, MD, DDS¹, Yedeh Ying, MD, DMD¹, Marka Crittenden, MD, PhD¹, Steven Seung, MD, PhD², Eric Dierks, MD, DMD, FACS³, R. Bryan Bell, MD, DDS, FACS¹; ¹Providence Oral, Head and Neck Cancer Program and Clinic, Providence Cancer Center, Portland, Oregon, ²The Oregon Clinic, Portland, Oregon, ³The Head and Neck Institute, Portland, Oregon

P479 SINGLE INSTITUTION RESULTS OF HIGH QUALITY, NARROW-MARGIN IMRT WITH CONCURRENT CDDP-BASED CHEMOTHERAPY FOR STAGE III-IVB, RISK STRATIFIED OROPHARYNGEAL SQUAMOUS CELL CANCER

J.F. Greskovich, MD, MBA, N M Woody, N P Joshi, B Burkey, J Scharpf, R Lorenz, E Lamarre, T Nwizu, N Houston, B Harr, J Bodman, D Ives, M Rahe, D J Adelstein, S A Koefman; Cleveland Clinic

P480 TRANSORAL ENDOSCOPIC ASSISTANT ARTICULATED SURGERY - TEAS, A COST-EFFECTIVE ALTERNATIVE TO TRANSORAL ROBOTIC SURGERY

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P481 TRANSORAL ROBOTIC ASSISTED APPROACH TO THE CARCINOMA OF UNKNOWN PRIMARY

Kyle M Hatten, MD¹, Andres M Bur, MD¹, Benjamin L Hodnett¹, Mihir R Patel, MD², Bert W O'Malley, MD¹, Ara A Chalian, MD¹, Christopher H Rassekh, MD¹, Steven B Cannady, MD¹, Jason G Newman, MD¹, Kathleen Montone¹, Virginia Livolsi, MD¹, Alexander Lin¹, Gregory S Weinstein,

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P482 TRANSORAL RESECTION BY TRANSORAL VIDEOLARYNGOSCOPIC SURGERY (TOVS) FOR OROPHARYNGEAL CANCER

Kenji Okami, MD, PhD, Akihiro Sakai, MD, PhD, Kouji Ebisumoto, MD, Fukuko Shimizu, MD; Tokai University

P483 TRANSCERVICAL ARTERIAL LIGATION MAY PREVENT SEVERE POSTOPERATIVE HEMORRHAGE AFTER TRANSORAL ROBOTIC SURGERY

Mark Kubik, MD¹, Rajarsi Mandal, MD², William G Albergotti, MD¹, Robert L Ferris, MD, PhD¹, Umamaheswar Duvvuri, MD, PhD¹, Seungwon Kim, MD¹; ¹The University of Pittsburgh Medical Center, ²Memorial Sloan Kettering Cancer Center

P484 PROGNOSTIC SIGNIFICANCE OF SARCOPENIA IN PATIENTS WITH ADVANCED STAGE OROPHARYNGEAL CANCER

Nauman F Manzoor, MD, Stephen Leb, BS, Kate Clancy, BA, Sami Melki, MD, Michael Gibson, MD, PhD, Min Yao, MD, PhD, Rod Rezaee, MD, Nicole Fowler, MD, Pierre Lavertu, MD, Chad Zender, MD; University Hospitals Case Medical Center

P485 CYCLIN D1 IS A POOR PROGNOSTIC MARKER FOR HPV-NEGATIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

XJ David Lu, BScHons², YP Kelly Liu, BSc², Rosilene Soares, PhD¹, Cindy Cui², John Wu, MD², Catherine Poh, DDS, PhD, FRCDC²; ¹Federal University of Sergipe, ²BC Cancer Research/Agency Centre

P486 A COMPARISON OF THE DIAGNOSTIC UTILITY OF PCT-CT IN HPV-POSITIVE AND HPV-NEGATIVE SQUAMOUS CELL CARCINOMA OF THE OROPHARYNX

James M Taylor, BS, Eunice Yim, BS, Angela Mazul, PhD, Nidia Rodriguez, MD, MPH, Samip Patel, MD, Trevor Hackman, MD, Mark Weissler, MD, Bhisamj Chera, MD, Terence Wong, MD, PhD, Jose P Zevallos, MD, MPH; The University of North Carolina School of Medicine

P487 VALIDATION OF TYPE-SPECIFIC SERUM ANTIBODIES TO ONCOPROTEINS IN PATIENTS WITH HUMAN PAPILLOMAVIRUS ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CANCER

Martina A Broglie, MD¹, Dana Holzinger, PhD², Angelika Michel, DVM², Tim Waterboer, PhD², Wolfram Jochum, MD³, Diana Foerbs³, René Schoenegg, MD³, Sandro J Stoeckli, MD¹, Michael Pawlita,

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- P488 TRANSORAL ENDOSCOPIC HEAD AND NECK SURGERY FOR MINOR SALIVARY GLAND TUMORS OF THE OROPHARYNX**
David W Schoppa, MD, PhD¹, Michael E Kupferman, MD, FACS²; Amy C Hessel, MD², Diane C Bell, MD, PhD², Elizabeth M Garland, PAC², Edward J Damrose, MD, FACS¹, F Christopher Holsinger, MD, FACS¹; ¹Stanford University, ²The University of Texas MD Anderson Cancer Center
- P489 STEP SERIAL SECTIONING OF TRANSORAL ROBOTIC TONGUE BASE MUCOSECTOMY SPECIMENS: A STRATEGY TO INCREASE TUMOUR DETECTION RATES IN CARCINOMA OF UNKNOWN PRIMARY.**
Cameron R Davies-Husband, MBBS, FRCS, Max Robinson, FRCPath, Vinidh Paleri, MS, FRCS; Freeman Hospital, Newcastle upon Tyne, United Kingdom
- P490 LEVEL OF CONCORDANCE BETWEEN P16 IMMUNOHISTOCHEMICAL STAINING AND HUMAN PAPILLOMA VIRUS IN-SITU HYBRIDIZATION IN OROPHARYNGEAL CANCERS - A SINGLE INSTITUTION RETROSPECTIVE CHART REVIEW STUDY.**
Nagashree Seetharamu, MD, Doru Paul, MD, Douglas Frank, MD, Steven Savona, MD, Dev Kamdar, MD, Benjamin Saltman, MD, John Fantasia, MD, Maged Ghaly, MD, Aine Donohue, Beth Sferrazza, Sewit Teckie, MD; Northwell Health
- P491 INDUCTION CHEMOTHERAPY FOR P16-POSITIVE OROPHARYNGEAL CANCER**
Yuki Saito, Mizuo Ando, MD, PhD, Go Omura, MD, Kazuo Yasuhara, MD, Masafumi Yoshida, MD, PhD, Tastuya Yamasoba, MD, PhD; University of Tokyo
- P492 ADENOID CYSTIC CARCINOMA OF THE BASE OF TONGUE: A POPULATION BASED STUDY**
Diana N Kirke², Chandala Chitguppi¹, Samuel J Rubin², Minh T Truong², Scharukh Jalisi²; ¹Maulana Azad Medical College, New Delhi, Delhi, India, ²Boston Medical Center
- P493 ASSOCIATION OF PRETREATMENT BODY MASS INDEX AND SURVIVAL IN HUMAN PAPILLOMA VIRUS-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA**
William G Albergotti, MD, Robert L Ferris, MD, PhD; University of Pittsburgh Medical Center
- P494 PATTERNS OF NECK METASTASIS IN P16 POSITIVE AND NEGATIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA**
Jessica Clark, MSc, MD¹, Han Zhang¹, Scott Murray, MD¹, Peter T Dziegielelewski, MD, FRCS², Vincent L Biron, MD, PhD, FRCS¹, Daniel A O'Connell, MD, MSc, FRCS¹, Jeffrey R Harris, MD, MHA, FRCS¹, David J Cote, MD, MPH, CCFP, FRCS¹, Khalid Ansari, MD, MMed, FRCS¹, Hadi Seikaly, MD, MLA, FRCS¹; ¹University of Alberta, Division of Otolaryngology-Head and Neck Surgery, ²University of Florida, Department of Otolaryngology-Head and Neck Surgery
- P495 DECISION MAKING IN TORS FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS: WHAT IS AN ACCEPTABLE TRI-MODALITY TREATMENT RATE?**
Ashley J Hay, MBChB, FRCS, MSc, Jocelyn Migliacci, MA, Daniel Karassawa Zaroni, MD, Hilda E Stambuk, MD, Shrujal S Baxi, MD, MPD, Sean M McBride, MD, Jay O Boyle, MD, Bhuvanesh Singh, MD, PhD, Richard J Wong, MD, Snehal G Patel, MD, Ian Ganly, MD, PhD; Memorial Sloan Kettering Cancer Center
- P496 EVALUATION OF EXTRINSIC TONGUE MUSCLE INVOLVEMENT AS THE SOLE CRITERION FOR A T4a DESIGNATION IN SQUAMOUS CELL CARCINOMA OF THE BASE OF TONGUE**
Adam R Coughlin, MD, Christopher J Britt, MD, Gregory K Hartig, MD; University of Wisconsin
- P497 CLINICOPATHOLOGIC CHARACTERISTICS AND OUTCOMES OF RECURRENT OROPHARYNGEAL SQUAMOUS CELL CARCINOMA**
Chase M Heaton, Karina Yu, Sarah Calkins, Jonathan R George, William R Ryan, Steven J Wang; University of California - San Francisco
- P498 THE EFFECT OF SURGICAL MARGINS ON DISEASE-SPECIFIC SURVIVAL IN PATIENTS WITH OROPHARYNGEAL SQUAMOUS CELL CARCINOMA**
Sherif Idris, MD, BSc¹, Brittany Barber, MD, BSc¹, Conrad Moher, BSc², Jefferson Chung, MD, FRCS¹, Vincent L Biron, MD, PhD, FRCS¹, Jeffrey R Harris, MD, MHA, FRCS¹, Hadi Seikaly, MD, MAL, FRCS¹, Daniel A O'Connell, MD, MSc,

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P499 ORAL HUMAN PAPILLOMAVIRUS INFECTION AMONG HIV INFECTED INDIVIDUALS IN MBINGO, CAMEROON

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P500 PROGNOSTIC SIGNIFICANCE OF EXTRACAPSULAR SPREAD, PERINEURAL AND LYMPHOVASCULAR INVASION IN PATIENTS WITH HPV AND NON-HPV RELATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA.

Robert Borucki¹, Shaun A Nguyen¹, Elizabeth Nicolli¹, Shaum Sridharan², Terry A Day¹, David M Neskey¹; ¹Medical University of South Carolina, ²Georgetown University

P501 TRANSORAL ROBOTIC SURGERY USING THE MEDROBOTICS FLEX SYSTEM: INITIAL NORTH AMERICAN EXPERIENCE

Umamaheswar Duvvuri, MD, PhD, Mathew Geltzeiler, MD; University of Pittsburgh Medical Center

P502 PATTERNS OF RECURRENCE IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC) PATIENTS TREATED DEFINITELY WITH UPFRONT NECK DISSECTION VERSUS CHEMORADIATION

Pei Yuan Fong¹, Thomas Loh², Chwee Ming Lim²; ¹Yong Loo Lin School of Medicine, National University of Singapore, ²Department of Otolaryngology- Head and Neck Surgery, National University Health System, Singapore

P503 NEXT-GENERATION, FLEXIBLE ROBOTIC SURGICAL SYSTEM FOR TRANSORAL RESECTION OF THE TONGUE-BASE: 3 INSTRUMENTS AND FLEX CAMERA IMPROVES CONTROL OF THE LINGUAL ARTERY

Michelle Chen¹, Gilchaj Lim², F. Christopher Holsinger¹; ¹Stanford University School of Medicine, ²Jeju National University School of Medicine

P504 PROGNOSTIC VALUE OF ALDH POLYMORPHISM IN JAPANESE PATIENTS WITH OROPHARYNGEAL CANCER

Hirotaaka Shinomiya, Hirtomi Shinomiya, Naoki Otsuki, Ken-ichi Nibu; Kobe University Hospital

P505 EFFICACY OF THE ANTIVIRAL AGENT CIDOFOVIR TO INHIBIT THE GROWTH OF HPV-POSITIVE AND -NEGATIVE HEAD AND NECK SQUAMOUS CELL CARCINOMAS IN VITRO

Ernst Jan M Speel, PhD, Femke Verhees, MSc, Robin Jacobs, BSc, Iris Cornet, PhD, Bernd Kremer, MD, PhD; Maastricht University Medical Center

P506 RADIAL FOREARM FREE FLAP RECONSTRUCTION IN PATIENTS WITH T4 OROPHARYNGEAL CANCER: FUNCTIONAL AND ONCOLOGIC OUTCOMES

John R Sims, MD, Eric J Moore, MD; Mayo Clinic

P507 SECOND PRIMARY TUMOR IN PATIENTS WITH HEAD AND NECK CANCER, FEBRUARY 2003-JULY 2015 , SALUD INTEGRAL HOSPITAL , MANAGUA, NICARAGUA

Fj Medrano¹, G Perez², Le Morin¹, G Barrios¹; ¹Salud Integral Hospital, ²Carlos Roberto Huembes Hospital

P508 HUMAN PAPILLOMAVIRUS AND SURVIVAL OF THE PATIENTS WITH OROPHARYNGEAL CANCER IN HOKKAIDO, JAPAN

Takatsugu Mizumachi, Akihiro Homma, Tomohiro Sakashita, Satoshi Kano, Hiromitsu Hatakeyama, Satoshi Fukuda; Hokkaido University Graduate School of Medicine Department of Otolaryngology, Head and Neck Surgery

P509 THE DIAGNOSTIC PATHWAY OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA IN A LARGE INTEGRATED HEALTHCARE SYSTEM

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P510 SURGICALLY-BASED ACCURACY OF CT, MRI, AND PET-CT FOR ASSESSMENT OF RETROPHARYNGEAL LYMPH NODE METASTASIS IN SQUAMOUS CELL CARCINOMAS OF THE HEAD AND NECK

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P511 ISTREATMENT OF THE

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Brett Leavers, Dr, Nathan Essey, Dr, Julia A Crawford, Dr, Richard M Gallagher, Aprof; St Vincent's Hospital Sydney

P512 ADVERSE CHILDHOOD

EXPERIENCES ARE ASSOCIATED WITH THE RISK OF HEAD AND NECK SQUAMOUS CELL CARCINOMA: A PROSPECTIVE COHORT STUDY.

Danielle Scarola, MS, Amy Y Chen, MD, JT Wadsworth, Mark W El-Deiry, MD, Timothy P Ryan, MD, Mihir R Patel, MD; Emory University School of Medicine

P513 SERUM CYTOKINE PATTERNS IN HPV+ VERSUS HPV- OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Tara Moore-Medlin, BS³, Xiaohui Ma, MD³, Jose M Flores, MPH¹, Christopher Haas, BS, MS², Maira Qayyum, BS², Vikas Mehta, MD³, Cherie-Ann Nathan, MD³; ¹Johns Hopkins School of Medicine, Baltimore, MD, ²Louisiana State University Health Shreveport School of Medicine, Shreveport, ³Department of Otolaryngology-Head & Neck Surgery, University Health & LSU Health, Shreveport, LA

P514 OUTCOMES IN PATIENTS WITH HUMAN PAPILLOMA VIRUS (HPV) - ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CANCER (OPSCC) AND NECK DISEASE THAT DECLINED ADJUVANT RADIATION AFTER NECK DISSECTION.

Farzad Masroor, MD, Irwin Lee, MD, Bryan Fong, MD, Kevin Wang, MD, Deepak Gurushanthaiah, MD; Kaiser Permanente, Northern California

P515 TRANSORAL ROBOTIC SURGERY USING THE DA VINCI XI SURGICAL ROBOTIC SYSTEM: EARLY CLINICAL EXPERIENCE IN FOURTEEN CASES

Ameet K Grewal, MD¹, J. S Magnuson, MD, FACS², Yoon W Koh, MD, PhD³, Julia Crawford, MD², Damien Sequeira, MD², Gil Chai Lim, MD⁴, F C Holsinger, MD, FACS¹; ¹Department of Otolaryngology-Head and Neck Surgery, Stanford University School of Medicine, ²Head and Neck Surgery Center of Florida, Florida Hospital Celebration Health, ³Department of Otorhinolaryngology, Yonsei University, College of Medicine, ⁴Department of Otolaryngology-Head and Neck Surgery, Jeju National University School of Medicine

P516 "CANCER OF UNKNOWN PRIMARY" (CUP): AN INSTITUTIONAL EXPERIENCE OVER THE LAST DECADE REGARDING THE INFLUENCE OF P16 STATUS

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P517 EVALUATION OF THE CLASSIFICATIONS FOR HPV-RELATED OROPHARYNGEAL CANCER

Kiyomi Kuba, MD, Masashi Sugawara, MD, PhD, Mitsuhiro Nakahira, MD, PhD, Yasunao Kogasiwa, MD, PhD, Yasuhiro Ebihara, MD, Kazuhiko Minami, MD; Sitama medical university international medical center

P518 A PRIMARY SURGICAL APPROACH IMPROVES LOCOREGIONAL CONTROL OVER A NON-SURGICAL APPROACH FORT1-T3 OROPHARYNX SQUAMOUS CELL CARCINOMA

A Daniel Pinheiro, MD, PhD, MHA; Mercy Clinic

P519 PATHOLOGICAL CHARACTERISTICS OF TRANSORALLY RESECTED TONSILLAR CANCER.

Koji Ebisumoto, Kenji Okami; Tokai University

P520 TRANSORAL ROBOTIC SURGERY WITH LASER (TORS-L) : OUTCOMES OF 50 OROPHARYNGEAL CASES

Syed H Naqvi, MD, Jay K Ferrell, MD, Angel I Blanco, MD, Shan Guo, MD, Ron J Karni, MD; The University of Texas Health Science Center- Houston

P521 COMPARISON OF HPV RATES AND DISEASE OUTCOME IN OPSCC AT A PUBLIC VERSUS PRIVATE HOSPITAL

Tiffany V Wang, MS¹, Mark Swanson, MD², Jacob Lifton, BA¹, Clara Wang, BS¹, Juan Felix, MD³, Niels Kokot, MD²; ¹Keck School of Medicine of University of Southern California, ²Department of Otolaryngology-Head and Neck Surgery, University of Southern California, ³Department of Pathology, University of Southern California

P522 OROPHARYNGEAL CANCER: OUTCOMES FOR TRANSORAL ROBOTIC SURGERY VERSUS TRADITIONAL SURGICAL APPROACHES

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P523 SENTINEL LYMPH NODE BIOPSY IN THE MANAGEMENT OF RECURRENT OROPHARYNGEAL CANCER AND THE CLINICALLY NO PATIENT: A NOVEL CLINICAL TECHNIQUE AND APPLICATION

Tiffany Peng, MD, David I Kutler, MD, Sara Taha, BA, Marc A Cohen, MD, MPH, Victoria E Banuchi, William I Kuhel, MD; Weill Cornell Medical College

P524 ASPIRIN USE AND SURVIVAL IN VETERANS WITH OROPHARYNGEAL CANCER

Catherine J Lumley, MD¹, Thomas Kaffenberger², Jessica H Maxwell, MD, MPH¹; ¹Georgetown University Hospital, ²University of Pittsburgh School of Medicine

P525 TREATMENT, SURVIVAL, AND COSTS OF OROPHARYNGEAL CANCER CARE IN THE ELDERLY

Hyunseok Kang, MD, MPH, Harry Quon, MD, MS, Ana P Kiess, MD, PhD, Carole Fakhry, MD, MPH, Robert J Herbert, BS, David W Eisele, MD, Kevin D Frick, PhD, Christine G Gourin, MD, MPH; Johns Hopkins University

P526 ANALYSIS OF EXPRESSION AND LOCALIZATION OF HIPPO SIGNALS DETERMINANTS IN HPV POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Faisal Alzahrani; Dalhousie University

P527 STYLOID ELEPHANTIASIS- FIRST REPORTED CASE OF EAGLE SYNDROME PRESENTING AS PROGRESSIVE FACIAL PARALYSIS

Joshua P Weiss, MD, Juliet E Meir, Graham T Whitaker, MD, Peter T Dziegielewski, MD; University of Florida

P528 COMPARISON OF METASTATIC PATTERNS OF HPV-POSITIVE VERSUS HPV-NEGATIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS

Tiffany V Wang, MS¹, Changxing Liu, MD², Garren M Low, MS¹, Daljit S Mann, BS¹, Niels Kokot, MD²; ¹Keck School of Medicine of University of Southern California, ²Department of Otolaryngology-Head and Neck Surgery, University of Southern California

P529 SURGICAL APPROACH TO THE TONSIL CANCER IN THE ERA OF HPV INFECTION

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P530 ROLE OF ROBOT-ASSISTED NECK DISSECTION FOR OROPHARYNGEAL CANCER IN THE HPV ERA

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P531 SECONDARY SYPHILIS IN THE DIFFERENTIAL DIAGNOSIS OF HEAD AND NECK CANCER

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P532 USABILITY OF P16 IMMUNOSTAINING IN THE DIAGNOSIS OF CERVICAL LYMPH NODE METASTASES FROM AN UNKNOWN PRIMARY HEAD AND NECK SQUAMOUS CARCINOMA

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P533 INTERESTING CASE PRESENTATION OF UNUSUALLY ADVANCED PRESENTATION OF P16 POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA WITH CLINICAL QUESTION OF USE OF MICROVASCULAR FREE TISSUE TRANSFER IN AN EFFORT TO IMPROVE QUALITY OF LIFE

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P534 INTERNAL MAXILLARY ARTERY COLLATERALS AND THE IMPORTANCE FOR TRANSORAL RESECTION OF OROPHARYNGEAL CARCINOMA

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P535 OROPHARYNGEAL CANCER PRESENTING AS SHOULDER PAIN: A CASE REPORT

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P536 CASE REPORT: TRANSORAL ROBOTIC SURGERY AND SENTINEL LYMPH NODE BIOPSY IN OROPHARYNX SQUAMOUS CELL CARCINOMA

Natasha Canovas, MD, Vergilius Neto, MD, Jorge Kim, MD, Tiago Valim, MD, Marco Aurelio Kulcsar, MD, PhD, Claudio Cernea, MD, PhD; University of Sao Paulo

P537 IDENTIFICATION AND TREATMENT OF OCCULT SYNCHRONOUS HEAD AND NECK MALIGNANCIES

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P538 A RARE CASE OF MASTICATOR SPACE HEMANGIOMA IN A YOUNG BOY: A 10-YEAR FOLLOW-UP

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P539 SYNCHRONOUS HPV-RELATED CANCER OF BILATERAL TONSILS

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RECONSTRUCTION / MICROVASCULAR SURGERY

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P540 PREDICTORS AND COSTS OF 30 DAY UNPLANNED READMISSIONS IN HEAD AND NECK FREE FLAP SURGERY

Dustin Lang, MD, Michael Baskin, MD, Raja Sawhney, MD, MFA, Brian J Boyce, MD, Dziegielewski T Peter, MD, FRCS; University of Florida

P541 EFFECT OF DE-ESCALATION OF LEVEL OF POSTOPERATIVE CARE ON HEAD AND NECK FREE FLAP OUTCOMES

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P542 A NEUROPROSTHETIC DEVICE FOR REANIMATION OF THE HEMI-PARALYZED FACE

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P543 FASCIO-CUTANEOUS FREE FLAPS RECONSTRUCTION AFTER SALVAGE TOTAL LARYNGECTOMY

Francesca Del Bon, Cesare Piazza, Alberto Paderno, Nausica Montalto, Valentina Taglietti, Alberto Grammatica, Piero Nicolai; Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy

P544 A NOVEL APPLICATION OF INDOCYANINE GREEN ANGIOGRAPHY TO OPTIMIZE OUTCOMES IN THE RADIATED HEAD AND NECK PATIENT

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P545 VENOUS COMPLICATIONS IN ONE VS TWO VEIN ANASTOMOSES IN HEAD AND NECK FREE FLAPS

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P546 NAVIGATION GUIDANCE IMPROVES FREE-FLAP MANDIBLE RECONSTRUCTION: A CADAVERIC TRIAL.

Richard A Harbison, MD¹, Xiao-Feng Shan, MD, DDS², Zachary Douglas, BS¹, Scott Bevans, MD¹, Angeliq Berens, MD¹, Randall Bly, MD¹, Yangming Li, PhD¹, Blake Hannaford, PhD¹, Kris S Moe, MD¹, Neal D Futran, MD, DMD¹, Jeffrey J Houlton, MD¹; ¹University of Washington, ²Peking University School and Hospital of Stomatology

P547 DONOR AND RECIPIENT SITE CHARACTERISTICS AS PREDICTORS OF POSTOPERATIVE COMPLICATIONS IN FREE FLAP RECONSTRUCTION FOR HEAD AND NECK CANCER

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P548 ROLE OF PREOPERATIVE (CHEMO)-RADIATION IN HEAD AND NECK RECONSTRUCTION: RETROSPECTIVE SERIES AND PROSPECTIVE HISTOPATHOLOGIC STUDY

Cesare Piazza¹, Valentina Taglietti¹, Francesca Del Bon¹, Alberto Paderno¹, Nausica Montalto¹, Alberto Grammatica¹, Marco Schiavo Lena², Laura Morassi³, Lorenzo Bresciani⁴, Raimondo

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P550 PERIOPERATIVE CARDIOVASCULAR COMPLICATIONS IN PATIENTS UNDERGOING HEAD AND NECK FREE FLAP RECONSTRUCTION.

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P551 PERIOPERATIVE ANTIBIOTIC PROPHYLAXIS IN HEAD AND NECK ONCOLOGIC SURGERY REQUIRING MICROVASCULAR FREE TISSUE TRANSFER: A MULTI-INSTITUTIONAL REVIEW

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P552 MOVING BELOW THE CLAVICLE: MICROVASCULAR RECONSTRUCTION OUTSIDE THE HEAD AND NECK BY THE HEAD & NECK SURGERY SERVICE

Lauren B Moneta, MD, Javier Gonzalez-Castro, MD, Scott Troob, MD, James B Hayden, MD, PhD, Mark K Wax, MD, FACS; Oregon Health and Science University

P553 SURGICAL OUTCOMES OF PRIMARY VERSUS SECONDARY ENDOSSEOUS IMPLANTATION AFTER FIBULAR FREE TISSUE RECONSTRUCTION OF THE MANDIBLE FOR OSTEORADIONECROSIS

Deanna C Menapace, MD, Kathryn M Van Abel, MD, Kevin Arce, MD, Erin J Moore, MD; Mayo Clinic

P554 DURATION OF ANTIBIOTIC PROPHYLAXIS IN HEAD AND NECK FREE FLAP PATIENTS: A META-ANALYSIS

Yarah M Haidar, Hossein Mahboubi, Julie A Goddard; University of California - Irvine, Medical Center

P555 SUBMENTAL ISLAND FLAP RECONSTRUCTION IN ORAL CAVITY CANCER PATIENTS WITH LEVEL I LYMPH NODE METASTASIS

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P556 OSTEOCUTANEOUS RADIAL FOREARM FREE FLAP: IMPROVED OUTCOMES WITH A UNIQUE COLLABORATIVE APPROACH WITH ORTHOPEDIC SURGERY

Charissa N Kahue, MD, Michael W Sim, MD, Douglas R Weikert, MD, Sarah L Rohde, MD; Vanderbilt University Medical Center

P557 THE TRANS AXILLARY PEDICLED TDAP FLAP FOR RECONSTRUCTION OF SIMPLE AND COMPOSITE CERVICAL SKIN DEFECTS.

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P559 REVISITING THE GASTRIC PULL UP: A SYSTEMATIC REVIEW AND META-ANALYSIS OF PHARYNGOESOPHAGEAL RECONSTRUCTION

Oleksandr Butskiy, MD, Ronak Rahmanian, MD, Richard A White, Eitan Prisman; UBC

P560 ENHANCED RECOVERY AFTER SURGERY (ERAS) IN MAJOR HEAD AND NECK CANCER SURGERY; A SYSTEMATIC REVIEW

Raghav R Kulkarni, MRCS, MBBS, BDS¹, James A Cymerman, MRCS, MBBS, BDS², Kayleigh Gilbert, BSc², Irene Kreiss, PhD³, Jeremy D McMahon, FRCSOMFS, FRCS, FDSRCPS, MBBS, BDS⁴, James A McCaul, PhD, FRCSOMFS, FRCS, FIBCSOMS, FDSRCPS, MB¹; ¹The Royal Marsden, ²London Northwest Healthcare NHS Trust, ³The Royal College of Surgeons of England, ⁴Regional Maxillofacial Unit, Queen Elizabeth University Hospital, Glasgow UK

P561 THE BEAVERTAIL MODIFIED RADIAL FOREARM FREE FLAP: VERSATILE UTILIZATION AND OUTCOMES

Peter T Dziegielewski, MD, FRCSC, Brian J Boyce, MD, Raja Sawhney, MD, MFA; University of Florida

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P562 RECONSTRUCTION ALGORITHM AND TECHNIQUES FOR ADVANCED MIDFACE DEFECTS

Nicholas Panella, MD¹, Mark El-Deiry, MD¹, Patricia Hudgins, MD², [Mihir Patel, MD](#)¹; ¹Emory University Department of Otolaryngology, ²Emory University Department of Radiology

P563 REBUILDING THREE DIMENSIONAL ORAL CAVITY STRUCTURES FROM TWO DIMENSIONAL SUBSTRATES: A CADAVER STUDY

[Michael Baskin, MD](#)¹, Hadi Seikaly, MD, FRCS², Raja Sawhney, MD, MFA¹, Brian J Boyce, MD¹, Martha Burt, MD¹, Bj Schlott, DMD, MD¹, Peter T Dziegielewski, MD, FRCS¹; ¹University of Florida, ²University of Alberta

P564 INTRA-OPERATIVE RESEW PREDICTS POST-OPERATIVE COMPLICATIONS INCLUDING RE-OPERATION RATE AND FREE FLAP FAILURE IN HEAD AND NECK RECONSTRUCTION

[Robert M Brody, MD](#), Andres M Bur, MD, Ara A Chalian, MD, Jason G Newman, MD, Steven B Cannady, MD; Hospital of the University of Pennsylvania

P565 IDENTIFICATION OF QUALITY METRICS SPECIFIC TO FREE FLAP SURGERY FOR HEAD AND NECK CANCER AND FACTORS ASSOCIATED WITH WORSE OUTCOMES.

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P566 PREOPERATIVE ACTIVATED PARTIAL THROMBOPLASTIN TIME PREDICTS EARLY FAILURE IN HEAD AND NECK FREE FLAP RECONSTRUCTION

[Andres M Bur, MD](#)¹, Andrew D Walls, BS², Jason Brant, MD¹, Robert M Brody, MD¹, Kyle M Hatten, MD¹, Jason G Newman, MD¹, Ara A Chalian, MD¹, Steven B Cannady, MD¹; ¹University Of Pennsylvania, ²Georgetown University School of Medicine

P567 TOTAL LARYNGECTOMY WITH FREE FLAP RECONSTRUCTION: DECREASING SHORT AND LONG TERM COMPLICATION RATES WHILE IMPROVING QUALITY CARE METRICS

[Han Zhang, MD](#)¹, Hadi Seikaly, MD, FRCS¹, Dan O'Connell, MD, FRCS¹, Jeffrey R Harris, MD, FRCS¹, Raja Sawhney, MD, MFA², Brian J Boyce, MD², TT Jean Nguyen, MD¹, Mostafa Ammar, MD, MSc¹, Peter T Dziegielewski, MD, FRCS²; ¹University of Alberta, ²University of Florida

P568 SELECTIVE FLUORESCENT ANGIOGRAPHY EVALUATION OF FREE FLAP RECONSTRUCTION OF THE HEAD AND NECK IS A USEFUL ADDITION TO CURRENT MANAGEMENT PARADIGMS

[Lauren B Moneta, MD](#), Scott Troob, MD, Javier Gonzalez-Castro, MD, Daniel Petrisor, DMD, MD, FACS, Mark K Wax, MD, FACS; Oregon Health & Science University

P569 RECONSTRUCTION OF MEDIUM TO LARGE SURGICAL DEFECTS OF THE HEAD AND NECK WITH LOCAL SKIN BILOBED FLAP: HOW WE DO IT.

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P570 ALT FLAP HARVEST -DEALING WITH VARIABLE ANATOMY, 170 FLAP EXPERIENCE WITH 98.8 %SUCCESS RATE. ANTERIOR, DOPPLER GUIDED, NON-COMMITTAL, PERFORATOR TO PEDICLE, NERVE AND MUSCLE PRESERVING APPROACH.

[Dushyant Jaiswal](#); Tata Memorial Centre

P571 PATIENT SPECIFIC PLATES FOR MICROVASCULAR RECONSTRUCTION OF THE MANDIBLE

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P572 DECREASING MORBIDITY FROM FACIAL ARTERY MUSCULOMUCOSAL (FAMM) FLAP : A COMPARATIVE STUDY OF THE CLASSICAL AND MODIFIED HARVESTING TECHNIQUES

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P573 SURGICAL RESECTION AND VASCULARIZED BONE RECONSTRUCTION IN ADVANCED MEDICATION-RELATED OSTEONECROSIS OF THE JAWS

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P574 TOTAL PAROTIDECTOMY DEFECT RECONSTRUCTION WITH THE SUBMENTAL FLAP

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P575 MANDIBULAR

RECONSTRUCTION IN RURAL SETUP - STERNOCLEIDOMASTOID - CLAVICULAR FLAP. IS IT AN OPTION ?

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P576 COMBINED CRANIOPLASTY AND TOTAL TEMPOROMANDIBULAR JOINT RECONSTRUCTION AFTER PIGMENTED VILLONODULAR SYNOVITIS RESECTION

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P577 DEEP VEINTHROMBOSIS RISK STRATIFICATION IN HEAD AND NECK RECONSTRUCTION: A COMPARATIVE ANALYSIS IN FREE AND PEDICLED FLAP PATIENTS

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P578 AN ALTERNATIVE METHOD OF RECONSTRUCTING RADICAL NECK DISSECTION DEFECTS RECONSTRUCTION WITH SUPRACLAVICULAR ARTERY ISLAND FLAP

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P579 EVOLUTION IN THE RECONSTRUCTION OF LATERAL SKULL BASE DEFECTS: THE UNIVERSITY OF KANSAS EXPERIENCE

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P580 SCAPULAR TIP FREE FLAP FOR HEAD AND NECK RECONSTRUCTION

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P581 SURGICAL MORBIDITY AND MORTALITY IN PATIENTS AFTER MICROVASCULAR RECONSTRUCTION FOR HEAD AND NECK CANCER

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P582 FREETHORACODORSAL ARTERY PERFORATOR FLAP (TDAP) FOR HEAD&NECK CANCER RECONSTRUCTION - 9CASES EXPERIENCE FROM INDIA

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P583 FREE FLAPS AFTER THE AGE OF 75

Caroline Hoffmann, MD, Thomas Jouffroy, MD, Florence Rollot, MD, Angélique Girod, MD, Cynthia Occhipinti, Philippe Goater, MD, José Rodriguez, MD; Institut Curie, Paris, France

P584 IS DECONSTRUCTION OR RECONSTRUCTION OF THE CAROTID BEST IN IMMINENT RUPTURE OR WITH RESISTANT BLEEDING IN PATIENTS TREATED FOR CANCER OF THE HEAD AND NECK?

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P585 Withdrawn

P586 LONGER ISCHEMIC TIMES ARE NOT ASSOCIATED WITH INCREASED COMPLICATIONS IN MICROVASCULAR FREE TISSUE TRANSFER FOR HEAD AND NECK RECONSTRUCTION

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P587 A NOVEL TECHNIQUE FOR TRACHEAL RECONSTRUCTION USING A RADIAL FOREARM FREE FLAP

Sobia F Khaja, MD, Joshua D Hornig, MD; Medical University of South Carolina

P588 FREE FIBULA OSTEOCUTANEOUS FLAPS FOR COMPLEX MAXILLECTOMY DEFECTS - 22 CASES EXPERIENCE IN 2 YEARS.

Dushyant Jaiswal; Tata Memorial Hospital , Mumbai

P589 A NOVEL APPROACH TO MAXILLARY RECONSTRUCTION USING A 3D SURGICAL STENT TO FACILITATE INSET OF OSTEOCUTANEOUS FREE TISSUE TRANSFER

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P590 WORLDWIDE TEN-YEAR

PUBLICATION TRENDS IN FIBULA FREE FLAP FOR MANDIBULAR RECONSTRUCTION

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P591 INTRALUMINAL ARGATROBAN IRRIGATION FOR MICROVASCULAR SURGERY IN PATIENT WITH HISTORY OF HEPARIN-INDUCED THROMBOCYTOPENIA

Daniel Kwon, MD, Paul Walker, MD, Nathaniel Peterson, MD; Loma Linda University Medical Center, Department of Otolaryngology

P592 A MODIFICATION OF THE RADIAL FOREARM FREE FLAP WITH PENILE FORESKIN PRELAMINATION FOR INTRAORAL RECONSTRUCTION - A CASE REPORT

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Ross K Smith, BSc, MBBS, Hons, I¹, James Wykes, FRACS², David T Martin, BPhy, Hons, I, MBBS³, Navin Niles, FRACS⁴; ¹Faculty of Medicine and Health Sciences, Macquarie University, Sydney, NSW, ²Department of Head and Neck Surgery, Liverpool Hospital, Liverpool, NSW, ³College of Medicine and Dentistry, James Cook University, Townsville, QLD

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Masao Toji, MD¹, Tokio Hasegawa, MD², Katsuhiko Motegi, MD³, Kazuo Kishi, MD⁴, Nobuaki Imanishi, MD⁴; ¹Shin-yurigaoka General Hospital, ²Stella Clinic, Akita, ³Saiseikai Central hospital, ⁴Keio Unoiversity

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Yuxiong Su; University of Hong Kong

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P681 KERATOCYSTOMA OF THE PAROTID GLAND

Alex F Porsani, MD, Marina M Silva, Miguel J Pitta; Santa Casa de Araraquara

P682 MUCOSA ASSOCIATED LYMPHOID TISSUE LYMPHOMA OF BILATERAL PAROTID AND LACRIMAL GLANDS IN A PATIENT WITH SJOGREN'S SYNDROME

Dylan F Roden, MD, MPH¹, Eric W Cerrati, MD¹, Deborah Shatzkes, MD², Alyssa Yurovitsky, MD³, Gady Har El⁴; ¹Department of Otolaryngology - Head & Neck Surgery, New York University, ²Department of Radiology, Lenox Hill Hospital, Northwell Health, ³Department of Pathology, Lenox Hill Hospital, Northwell Health, ⁴Department of Otolaryngology - Head & Neck Surgery, Lenox Hill Hospital, Northwell Health

P683 ORIGINAL REPORT OF AN EXCEPTIONALLY AGGRESSIVE, UNDIFFERENTIATED CARCINOMA OF THE SUBLINGUAL GLAND IN A YOUNG PATIENT - CASE REPORT AND LITERATURE REVIEW.

Ramez Philips, BS¹, Nolan Seim, MD², Azeem Kaka, MD², Lynn Schoenfield, MD³, Matthew Old, MD⁴; ¹Ohio State University College of Medicine, ²Ohio State University, Department of Otolaryngology - Head and Neck Surgery, ³Ohio State University, Department of Pathology, ⁴Ohio State University, Department of Otolaryngology - Head and Neck Surgery, The James Cancer Hospital

P684 CLINICAL FEATURES AND SURGICAL OUTCOMES OF MAJOR SALIVARY GLAND TUMORS ; A SINGLE-CENTER EXPERIENCE

Junhee Park MD, PhD, Yeon-Hoo Kim, MD, Ji-hye Han, MD, Nam Yong Do, MD, PhD; Department of otorhinolaryngology, Chosun University Hospital

P685 ACINIC CELL CARCINOMA ARISING IN A PERIPAROTID LYMPH NODE

Tess E Chase, BS, Isaac Dingle, MD, Marion Ridley, MD; University of South Florida Morsani College of Medicine

P686 CERUMINOUS PLEOMORPHIC ADENOMA OF THE EXTERNAL AUDITORY CANAL

Jared Hiebert, Benjamin Hawley, Hanh Tran, Betty Tsai, Nilesh Vasani; University of Oklahoma

P687 RAPID RECURRENT SIALOLITHIASIS: ALTERED STONE COMPOSITION AND POTENTIAL FACTORS FOR RECURRENCE

Oscar Trujillo, MD¹, Madeleine Drusin², Rahmatullah Rahmati, MD³; ¹NYP-Columbia and Cornell, ²Columbia Medical University, ³NYP-Columbia

P688 TRANSCERVICAL APPROACH FOR PARAPHARYNGEAL SPACETUMORS

Nancy Cumpa Lopez, MD, Gustavo Prats, MD, Adrián Ortega, MD, Rubén Padin, MD; National Hospital Dr. Alejandro Posadas

P689 PEAU D'ORANGE - A HARBINGER OF UNRESECTABILITY IN A CASE OF HEAD AND NECK CANCER

Amy M Manning, MD, Jonathan Mark, MD, Yash J Patil, MD; University of Cincinnati Department of Otolaryngology

P690 IS FNAC ACCURATE FOR PAROTID NEOPLASMS?

Chandala Chitguppi, Vikram Wadhwa, Ravi Meher, Swati Tandon, Ruchika Juneja, Komal Lamba, Praveen Rathore, Anoop Raj; Maulana Azad Medical College

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P691 IMPROVED TIMELINESS OF CARE FOR THE UNDERSERVED: AN ARGUMENT FOR PATIENT NAVIGATION

Jason F Ohlstein, MS¹, Thomas S Edwards, BS¹, Charles A Riley, MD¹, Joseph F Buell, MD, MBA, FACS², Paul L Friedlander, MD, FACS¹; ¹Tulane University Department of Otolaryngology, ²Tulane University Department of Surgery

P692 ALGORITHM FOR PARAPHARYNGEAL SPACE LESION MANAGEMENT IN THE ERA OF TRANSORAL ROBOTIC SURGERY

Christopher H Rassek¹, Bert W O'Malley, Jr, MD¹, Cuneyt M Alper, MD², Laurie A Loevner, MD¹, David E Eibling, MD², Gregory S Weinstein, MD¹; ¹University of Pennsylvania, ²University of Pittsburgh

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P693 POPULATION CHARACTERIZATION WITH ORAL AND OROPHARYNGEAL CANCER IN SMALL OF HEAD AND NECK SURGERY SERVICE IN THE STATE OF SAO PAULO / BRAZIL

Alex F Porsani, MD, Marina M Silva, Miguel J Pitta; Santa Casa de Araraquara

P694 ASSESSMENT OF PATIENT EDUCATION AND SATISFACTION IN RELATION TO FREE FLAP SURGERY

Thuy-Van T Ho, MD, Kevin Sykes, PhD, MPH, Kiran Kakarala, MD, Yelizaveta Shnayder, MD; University of Kansas Medical Center

P695 PRIMARY HYDATID DISEASE MUSCULAR NECK: RARE PRESENTATION OF HYDATID DISEASE.

Pilar Schneeberger Hitschfeld, Cristian Gottschalk Saavedra, Jean Pierre Droguett Gimpel, Cristóbal Azócar Bizama, Álvaro Visscher Oyaneder; Hospital Dr. Hernán Henriquez Aravena (Temuco)

P696 A CARE PATHWAY TO IMPROVE PATIENT SAFETY, SATISFACTION AND DECREASE POST-OPERATIVE LENGTH OF STAY FOR CANCER RECONSTRUCTIVE 'FREE-FLAP' PATIENTS

Neal D Futran, MD, DMD, Jeffrey Houlton, MD, Amit Bhrany, MD, Carol Stimson, ARNP, Vandana Chaudhari, MHA, Kevin Kiemele, MS, Eduardo Mendez, MD, MS; University of Washington

P697 THE HIGH STAKES OF HEAD AND NECK SURGERY FOLLOWING RADIATION AND CHEMOTHERAPY - AN APPROACH TO PREDICTING SURGICAL COMPLICATIONS.

Nolan B Seim, MD, Anna M Marcinow, MD, Theodoros N Teknos, MD, Amit Agrawal, MD, Enver Ozer, MD, Ricardo L Carrau, MD, Matthew O Old, MD; Department of Otolaryngology-Head and Neck Surgery, Arthur G. James Cancer Hospital and Richard J. Solove Research Institute at The Ohio State Wexner Medical Center, Columbus, Ohio

P698 THE IMPACT OF TECHNOLOGY ON PATIENT SUPPORT IN HEAD AND NECK CANCER

Brenda Capobres Villegas, MS, CCCSLP, Laishyang "Melody" Ouyoung, MS, CCCSLP, Uttam Sinha, MD, MS, FACS; University of Southern California (USC)

P699 TELEMEDICINE ACROSS THE GLOBE: THE USC AND AIMS EXPERIENCE

Brenda Capobres Villegas, MS, CCCSLP¹, Laishyang "Melody" Ouyoung, MS, CCCSLP¹, Vidhyadharan Sivakumar, MBBS, Ms, DNB, MCh², Subramania Iyer, MBBS, Ms, DNB, MCh², Uttam K Sinha, MD, MS, FACS¹; ¹University of Southern California (USC); ²Amrita Institute of Medical Sciences

P700 SAFETY AND UTILITY OF RIGID AND FLEXIBLE ESOPHAGOSCOPY IN AN OTOLARYNGOLOGY TRAINING PROGRAM

Yelena Kiseleva, BS¹, Daniel Clayburgh, MD, PhD²; ¹Pacific Northwest University of Health Sciences, ²Oregon Health and Science University

P701 "FRAGILE" NOT AGILE STANDARDIZED TRACHEOSTOMY AND LARYNGECTOMY CARE IN OUTPATIENT RADIATION ONCOLOGY

Maggie Fisher, RN, BSN, CORLN, Cynthia Oster, PhD, MBA, APRN, ACNSBC, ANP; Porter Adventist Hospital

P702 USING TECHNOLOGY TO SUPPORT CANCER CARE IN A LARGE MULTIDISCIPLINARY INTEGRATED HMO

Charles Meltzer, MD, Nathalie Nguyen, MD; Kaiser Permanente

P703 SURGICAL APPROACHES TO VASCULAR ANOMALIES OF THE MIDFACE: ANALYSIS OF 139 CASES

Dylan F Roden, MD, MPH¹, Teresa O, MD², Milton Waner²; ¹Department of Otolaryngology - Head & Neck Surgery, New York University, ²New York Vascular Birthmark Institute

P704 PREDICTORS AND COSTS OF RETURNS TO THE EMERGENCY DEPARTMENT AFTER HEAD AND NECK SURGERY: A QUALITY OUTCOMES ANALYSIS

Michael Baskin, MD, Jingnan Zhang, BS, Carol Dirain, PhD, Raja Sawhney, MD, MFA, Gileno Fonseca, BSc, John W Werning, MD, Brian J Boyce, MD, Mikhail Vaysberg, DO, Peter T Dziegielewski, MD, FRCS; University of Florida

P705 ESTHESIONEUROBLASTOMA WITH DELAYED NECK METASTASIS

Roger Su, MD, James Fortson, MD, MPH, MBA, FACE, CPE, Pavan G Bhat, MD, Sahiba Khurana; Atlanta Cancer Research and Education Foundation

P706 POSTOP WARD BASICS: ENHANCED PATIENT RECOVERY THROUGH A SURGICAL CHECKLIST

Neil Sharma, MBChB, PhD, FRCS(ORL-HNS)², Joel Smith, MBChB, MD, FRCS¹, Paul Pracy, MBBS, FRCS², Paul Nankivell, MBChB, PhD, FRCS²; ¹Sydney Head & Neck Cancer Institute, ²University Hospital Birmingham

P707 RELATIVE BENEFITS OF INTER-SPECIALTY SURGICAL TRAINING

Jay Goswamy, Cameron Davies-Husband, Neil DeZoysa, Jagtar Dhandra, Lisa Fraser, Navin Mani, Jonathan Pollock, Alastair Fry; Training Interface Group in Head and Neck Oncology

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Rizwan Aslam, DO, MS, FACS; Tulane University

P709 ASSESSING RECRUITMENT AND EDUCATION STRATEGIES IN HAITIAN CREOLE PARTICIPANTS AT A COMMUNITY-BASED HEAD AND NECK CANCER SCREENING EVENT.

Joshua S George, BS¹, Erin R Cohen, BS¹, Monika E Freiser, MD, MPH², Jason Leibowitz, MD¹, Chetan Nayak, MD¹, Zoukaa B Sargi, MD, MPH¹; ¹University of Miami Miller School of Medicine, ²University of Pittsburgh Medical Center

P710 ASSESSING THE BARRIERS AND ENABLERS TO IMPLEMENTING BEST PRACTICE NUTRITION CARE IN THE HEAD AND NECK ONCOLOGY MULTIDISCIPLINARY TEAM: A QUALITATIVE STUDY

Merran Findlay, MSc¹, Nicole Rankin, PhD², Kate White, Professor³, Tim Shaw, Professor⁴, Judith Bauer, Associate, Professor⁵; ¹Royal Prince Alfred Hospital, Sydney, Australia, ²Sydney Catalyst Translational Cancer Research Centre, The University of Sydney, Australia, ³Cancer Nursing Research Unit, The Sydney Nursing School, University of Sydney, Australia, ⁴Research in Implementation Science and eHealth (RISe), The University of Sydney, Australia, ⁵Centre for Dietetics Research (C-DIET-R), The University of Queensland, Brisbane, Australia

P711 OPTIMISING PERI-OPERATIVE CARE IN COMPLEX HEAD AND NECK CANCER PATIENTS

Jay Goswamy, Mr, Gareth Lloyd, Jennie Maclean, Jey Jeyanjali, Chima Oti, John Martin, Diana Bareisienne, Ricard Simo, Jean-Pierre Jeannon, Richard Oakley; Guy's and St Thomas' NHSFT

P713 HURTHLE CELL TUMOR OF THE THYROID: A CASE SERIES

James K Fortson, MD, MPH, MBA, FACE, CPE¹, Roger Su, MD², Pavan G Bhat, MD², Sahiba Khurana²; ¹ENT Associates of South Atlanta, ²Atlanta Cancer Research and Education Foundation

Hubert Low, MBBS, BSc, Med, FRACS, Sydney Ch'ng, MBBS, PhD, FRACS, Ruta Gupta, MD, MBBS, FRCPA, Kan Gao, Jonathan Clark, MBBS, BScMed, MBIostat, FRACS; Sydney Head and Neck Cancer Institute

P715 TUMOR MITOTIC RATE AND EPIDERMAL ATTACHMENT IN HEAD AND NECK MELANOMA

Eric Babajanian¹, Akina Tamaki, MD², Madeleine Strohl¹, Jeremy Bordeaux, MD², Kord Honda, MD², Chad Zender, MD, FACS²; ¹Case Western Reserve University School of Medicine, ²University Hospitals

P716 NON-MELANOMA SKIN CANCER OF THE HEAD AND NECK IN SOLID ORGAN TRANSPLANT RECIPIENTS

Amit Ritter, MD¹, Gideon Bachar, MD¹, Raphael Feinmesser, MD¹, Thomas Shpitzer, MD¹, Aron Popovtzer, MD², Naomi Rabinovics, MD¹; ¹Department of Otolaryngology, Head and Neck Surgery, Rabin Medical Center, Petach Tikva, Israel, ²Institute of Oncology, Davidoff Center, Rabin Medical Center, Petach Tikva, Israel

P717 RATE OF REGIONAL NODAL METASTASES OF CUTANEOUS SQUAMOUS CELL CARCINOMA IN THE IMMUNOSUPPRESSED PATIENT

Eamon J McLaughlin, MD, Thuzar M Shin, MD, PhD, Joseph F Sobanko, MD, Steven B Cannady, MD, Christopher J Miller, MD, Jason G Newman, MD; Hospital of the University of Pennsylvania

P718 PROGRAMMED CELL DEATH LIGAND-1 IN HIGH RISK CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK.

E Roper, Dr¹, Sa Virk, Mr², T Lum, Ms¹, Ce Palme, AProfessor, Dr³, S Ch'ng, AProfessor, Dr³, M Boyer, Professor, Dr³, Jr Clark, AProfessor, Dr³, R Gupta, A Professor, Dr¹; ¹Tissue Pathology and Diagnostic Oncology, Royal Prince Alfred Hospital, Sydney, Australia, ²University of New South Wales, Sydney, Australia, ³Chris O'Brien Lifehouse, Sydney, Australia

P719 NOVEL PROGNOSTIC MARKERS IN METASTATIC CUTANEOUS SCC OF HEAD AND NECK

Nir Hirshoren¹, Alan Herschtal¹, Julia Danne¹, Stephen Kleid¹, Benjamin J Dixon², Matthew Magarey¹, Angela Webb¹, David Gyorki²; ¹Division of surgical oncology, Peter MacCallum Cancer Centre, Melbourne, Australia., ²Division of surgical oncology, Peter MacCallum Cancer Centre, Melbourne, Australia. Department of Surgery, University of Melbourne, Australia.

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P714 AGE IS NOT A PREDICTOR OF PROGNOSIS IN METASTATIC CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK

Joel A Smith, MD, FRCS, ORLHNS, Sohaib Virk, Carsten E Palme, MBBS, FRACS,

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P720 PATTERNS OF LYMPHATIC SPREAD AND THE MANAGEMENT OF EYELID CARCINOMAS

Kazuki Hashimoto, PhD, Ryuji Yasumatsu, PhD, Satoshi Toh, PhD, Torahiko Nakashima, PhD, Takashi Nakagawa, PhD; Department of Otolaryngology, Graduate School of Medical Sciences, Kyushu University

P721 CUTANEOUS NASAL MALIGNANCIES IN MOROCCO: A DESCRIPTIVE ANALYSIS

Amine Rafik, MD, Samira Taquafi, MD, Mounia Diouri, Pr, Naima Bahechar, Pr, Abdessamad Chlihi, Pr; National Center of Burns and plastic surgery, University Hospital Ibn Rochd, Casablanca, Morocco

P722 THE METASTATIC POTENTIAL OF BASAL CELL CARCINOMA WITH MATRICAL DIFFERENTIATION

Christopher Maroun, Elie Alam, Ibrahim Khalife, Roger Moukarbel; American University of Beirut

P724 METASTATIC CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK TO THE PAROTID REGION LYMPH NODES-PATIENT CHARACTERISTICS, TREATMENT AND OUTCOMES

Douglas K Frank, MD¹, Maged Ghaly, MD²; ¹Hofstra Northwell School of Medicine, Northwell Cancer Institute and The Department of Otolaryngology, Long Island Jewish Medical Center, New Hyde Park, NY, ²Department of Radiation Medicine, Hofstra Northwell School of Medicine, Northwell Cancer Institute, Lake Success, NY

P725 PRIMARY SCALP ADENOCARCINOMA: A DIAGNOSTIC AND MANAGEMENT CHALLENGE

Yu Feng Soh, Dr¹, Inny Busmanis, Dr², Yongcheng Tan, Dr², Tan Ngian Chye, Dr¹; ¹Singhealth Duke-NUS Head and Neck Centre, ²Department of Pathology Singapore General Hospital

P726 VERSATILITY OF CHEEK ROTATION FLAP

Sam Yong Lee, Jun Ho Choi, Kwang Seog Kim, Yu Jin Kwon, Hong Min Kim, Kyung Phil Kim, Jae Ha Hwang; Department of Plastic and Reconstructive Surgery, Chonnam National University Medical School, Gwangju, Korea

P727 DELAYED NECK METASTASIS IN A PATIENT WITH CUTANEOUS NEUROENDOCRINE CARCINOMA

Bradley T Johnson, MD¹, Dennis D Diaz, MD¹, Nway L Ko Ko, MD²; ¹Orlando Veterans Affairs Medical Center, ²University of Central Florida Department of Internal Medicine

P728 THE EVOLVING ROLE OF THE HEAD AND NECK SURGEON IN UNRESECTABLE MELANOMA

Joseph F Goodman, MD, Bradley M Taylor, MD, Henry Stevenson-Perez, MD; Walter Reed National Military Medical Center

P729 PILOMATRIX CARCINOMA OF THE NECK: A CASE REPORT AND LITERATURE REVIEW

Antonio Gomez-pedraza, MD¹, Gustavo Guzman Sombbrero, MD², Catherine Parmentier De Leon², Elizabeth Quispe Susana, MD², Mariana I. Herrera-guerrero, MD³; ¹Instituto Nacional de Cancerología, ²LA RAZA IMSS, ³ABC MEDICAL CENTER

P730 ATYPICAL FIBROXANTHOMA WITH SYSTEMIC METASTASES: A RARE CASE

Natalia L Gomez, MD, Luis A Boccalatte, MD, Alejandro Yanzon de la Torre, MD, Pedro I Picco, MD, Juan J Larrañaga, MD; Hospital Italiano de Buenos Aires

P731 TREATMENT OPTIONS FOR PAROTID METASTASIS IN NON-MELANOMA SKIN CANCER: A 10-YEAR RETROSPECTIVE SURVIVAL ANALYSIS.

David Choi, MD, Natasha Cohen, MD, MSc, Michael Gupta, MD, MSc, FRCS; McMaster University

P732 CUTANEOUS MALIGNANCIES OF HEAD AND NECK AND RECONSTRUCTION BY LOCAL FLAPS IN A NEW PERIPHERAL CANCER CENTRE IN INDIA

Sumit Gupta, Dr¹, Prathmesh Pai, Prof², Tapas Dora, Dr¹, Sankalp Sancheti, Dr¹; ¹Homi Bhabha Cancer Hospital, Sangrur, ²Tata Memorial Hospital, Mumbai

P733 PRIMARY MALIGNANT MELANOMA OF THE SUBMANDIBULAR SALIVARY GLAND: A UNIQUE CASE REPORT AND REVIEW OF THE LITERATURE

Phillip Pellitteri, DO, James Biery, PAC; Guthrie Clinic Ltd

P734 MUCOSAL MELANOMA VS SKIN MELANOMA COMPARATIVE STUDY IN HEAD AND NECK

Kuauhyama Luna-Ortiz, MD, Veronica Villavicencio-Valencia, MD, Hector Martinez-Said, MD; Instituto Nacional de Cancerología

About the AHNS

History of the Society

On May 13, 1998, The American Head and Neck Society (AHNS) became the single largest organization in North America for the advancement of research and education in head and neck oncology. The merger of two societies, the American Society for Head and Neck Surgery and the Society of Head and Neck Surgeons, formed the American Head and Neck Society.

The contributions made by the two societies forming the AHNS are significant in the history of surgery in the United States. Dr. Hayes Martin conceived the Society of Head and Neck Surgeons in 1954, a surgeon considered by many to be the "father of modern head and neck tumor surgery." The purpose of the society was to exchange and advance the scientific knowledge relevant to the surgery of head and neck tumors (exclusive of brain surgery) with an emphasis on cancer of the head and neck. Two years later, The American Society for Head and Neck Surgery was organized with the goal to "facilitate and advance knowledge relevant to surgical treatment of diseases of the head and neck, including reconstruction and rehabilitation; promote advancement of the highest professional and ethical standards as they pertain to the practice of major head and neck surgery; and to honor those who have made major contributions in the field of head and neck surgery, or have aided in its advancement".

The new Society remains dedicated to the common goals of its parental organizations.

Mission Statement

The purpose of this society is to promote and advance the knowledge of prevention, diagnosis, treatment and rehabilitation of neoplasms and other diseases of the head and neck, to promote and advance research in diseases of the head and neck, and to promote and advance the highest professional and ethical standards.

Why Join the AHNS?

The American Head and Neck Society is an organization of physicians, scientists and allied health professionals dedicated to improving the understanding of Head and Neck Cancer and the care of patients afflicted with that disease. Membership is open to a wide variety of interested individuals in several categories that differ both in terms of responsibility and level of involvement in the society.

For more information about AHNS membership and to apply online, please visit www.ahns.info/member-central, call +1-310-437-0559, ext. 110 or ask at the AHNS Membership Booth for additional information.

The Benefits of AHNS Membership:

- Interaction with colleagues dedicated to promoting and advancing the knowledge of prevention, diagnosis, treatment, and rehabilitation of neoplasms and other diseases of the head and neck
- Member rates on all meeting registration fees
- The honor of being a part of our worldwide network of surgeons, physicians and health care professionals dedicated to the prevention and treatment of head and neck cancer

- Opportunities to partake in educational offerings, including those planned by the society and those co-sponsored by the society
- Opportunity to post regional meetings and courses on the AHNS "Related Meetings" web page
- Access to the AHNS member contact information in the "Members Only" section of our web site
- Monthly e-newsletter with updates about the society and head & neck surgery
- Ability to apply for research grant awards offered yearly
- Opportunity to participate on committees and to vote at the annual business meeting

Qualifications for Active Fellowship

Surgical applicants must be Diplomats of the American Board of Otolaryngology, Plastic Surgery, or Surgery or **OTHER EQUIVALENT CERTIFICATION BOARD**. Additionally, all applicants must be a fellow of the American College of Surgeons, Fellows in the Royal College of Surgeons (FRCS) or equivalent non-surgical organization.

Qualifications for Associate Fellowship

An applicant for Associate Fellowship must be a physician, dentist, or scientist who has special interest contributions in the field of neoplastic or traumatic diseases of the head and neck.

Qualifications for Candidate Fellowship

The trainee currently enrolled in an approved residency program in Otolaryngology, Plastic Surgery, or General Surgery or in a Fellowship program approved by the Advanced Training Council may become a Candidate Fellow.

Qualifications for Corresponding Fellowship

An applicant for Corresponding Fellowship must be a physician who specializes in the treatment of head and neck cancer, who by their professional associations and publications, would appear in the judgment of Council to be qualified to treat head and neck cancer. Corresponding Fellows must reside in a country other than the United States or Canada.

**Deadline for Next Membership Review is
Monday, October 31, 2016**



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Kiran Kakarala, MD	2014-2017	Krishnamurthi Sundaram, MD	2013-2016
Robert Lindau, MD	2013-2016	Marita Shan-Shan Teng, MD	2015-2018
Robert H. Maisel, MD	2013-2016	Marilene B. Wang, MD	2013-2016
Enver Ozer, MD	2013-2016	Steven J. Wang, MD	2013-2016
Sara Pai, MD, PhD	2015-2018		

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Ehab Y. Hanna, MD (Ex Officio)	2013-2016	Steven Wang, MD	2014-2017

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Neal D. Futran, MD, DMD	2013-2016	Brian Nussenbaum, MD	2013-2016
Tamer Ghanem, MD, PhD	2013-2016	Matthew Old, MD	2014-2017
Matthew M. Hanasono, MD	2013-2016	Urjeet Patel, MD	2015-2018
Gregory Karl Hartig, MD	2013-2016	Jason Thomas Rich, MD	2015-2018
Kevin McLoughlin Patrick Higgins, MD	2015-2018	Jeremy Richmon, MD	2015-2018
Joshua Hornig, MD	2013-2016	Eben Rosenthal, MD	2013-2016

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Kirin Kakarala, MD	2014-2017	J. Trad Wadsworth, MD	2014-2017
Susan Dixon McCammon, MD	2013-2016	Steven Wang, MD	2014-2017
Melonie Nance, MD	2014-2017	Barry Wenig, MD	2014-2017

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Neal D. Futran, MD, DMD	2013-2016	Jason Thomas Rich, MD	2015-2018
Joseph Blake Golden, MD	2015-2018	Hector M. Santini Olivieri, MD	2013-2016
Arjun S. Joshi, MD	2015-2018	Michael Stadler, MD	2013-2016
Adam Luginbuhl, MD	2015-2018	Kerstin M. Stenson, MD	2013-2016
Michael Moore, MD	2014-2017	Chad Zender, MD	2015-2018

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Susan Dixon McCammon, MD	2015-2016		2015-2016

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Stanley H. Chia, MD	2013-2016	Jan S. Lewin, MD	2013-2016
David M. Cagnetti, MD	2015-2018	Michael Moore, MD	2014-2017
Andrew Thomas Cowan, MD, PhD	2013-2016	Cherie Ann Nathan, MD	2014-2017
Carole Fakhry, MD	2014-2017	Enver Ozer, MD	2013-2016
Elizabeth Franzmann, MD	2014-2017	Vincente Resto, MD, PhD	2013-2016
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		Erich Sturgis, MD	2014-2017

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Matthew M. Hanasono, MD	2013-2016	Eben L. Rosenthal, MD	2013-2016
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Samir Khariwala, MD	2013-2016	Nabil Saba, MD	2014-2017
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Carol R. Bradford, MD	2013-2016	Nader Sadeghi, MD	2015-2018
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		Baran Devrim Sumer, MD	2016-2019

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Joseph Curry, MD	2013-2016	Victoria Villafior, MD	2013-2016
Louise Davies, MD	2013-2016	Joshua Waltonen, MD	2015-2018
Carole Fakhry, MD	2013-2016	John Werning, MD	2015-2018
Carol Lewis, MD	2013-2016	Mark Zafereo, MD	2015-2018
Kelly Malloy, MD	2013-2016		

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Snehal G. Patel, MD, FRCS (Chair)	2015-2018	Ivan El-Sayed, MD	2015-2018
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		Mark J. Jameson, MD, PhD	2015-2018
Samer Al-Khudari, MD	2014-2017	David Charles Shonka, MD	2013-2016
Brian B. Burkey, MD	2013-2016	Mike Yao, MD	2015-2018

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Amy Chen, MD (Chair)	2014-2017	Karen Pitman, MD	2014-2017
Carol Bradford, MD	2014-2017	Anna Pou, MD	2014-2017
Carole Fakhry, MD, MPH	2015-2018	Eileen Raynor, MD	2015-2018
Chris Gourin, MD	2014-2017	Lisa Shnyder, MD	2014-2017
Amy Hessel, MD	2014-2017	Catherine Fiona Sinclair, MD, FRACS	2015-2018
Amy Anne Donatelli Lassig, MD, BA	2015-2018	Ozlem Emine Tulunay, MD	2015-2018
Becky Lynn Massey, MD	2015-2018	Victoria Meucci Villafior, MD	2015-2018
Cherie Ann Nathan, MD	2014-2017		

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American Board of Otolaryngology Liaison

Ramon Esclamado, MD 2013-2016

American College of Surgeons Board of Governors

Theodoros N. Teknos, MD 2015-2018

American College of Surgeons Board of Governors Advisory Council for Otolaryngology – Head & neck Surgery

Ellie Maghami, MD 2012-2015

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American College of Surgeons Commission on Cancer

Daniel G. Deschler, MD 2014-2017

American Joint Committee on Cancer Membership and Bylaws Committee Liaison

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JAMA Otolaryngology – Head & Neck Surgery

D. Gregory Farwell, MD 2013-2016 (Associate Co-Editor)

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Douglas A. Girod, MD	(2015)	John J. Coleman, III, MD	(2006)
Terry A. Day, MD	(2014)	Patrick J. Gullane, MD	(2005)
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Carol R. Bradford, MD	(2012)	Paul A. Levine, MD	(2003)
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Nicholas J. Cassisi, MD	(1996-97)	Loring W. Pratt, MD	(1979-80)
Charles W. Cummings, MD	(1995-96)	William M. Tribble, MD*	(1978-79)
Gary L. Schechter, MD	(1994-95)	John A. Kirchner, MD	(1977-78)
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Bryon J. Bailey, MD	(1992-93)	Emanuel M. Skolnick, MD*	(1975-76)
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Charles J. Krause, MD	(1987-88)	John S. Lewis, MD*	(1970-71)
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Paul H. Ward, MD	(1983-84)	Joseph H. Ogura, MD*	(1963-65)
Jerome C. Goldstein, MD	(1982-83)	Paul H. Holinger, MD*	(1961-63)
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Michael B. Flynn, MD	(1995)	Alfred Ketcham, MD	(1974)
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William A. Maddox, MD	(1978)	*Deceased	

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