



AHNS 10TH INTERNATIONAL CONFERENCE ON HEAD & NECK CANCER

“Survivorship through Quality & Innovation”

JULY 22-25, 2021 • VIRTUAL CONFERENCE

AHNS PRESIDENT: Cherie-Ann Nathan, MD, FACS

CONFERENCE/DEVELOPMENT CHAIR: Robert Ferris, MD, PhD

PROGRAM CHAIR: Eben Rosenthal, MD

PROFFERED PAPERS CHAIR: Ellie Maghami, MD

POSTER CHAIR: Maie St. John, MD

Visit www.ahns2021.org for more information.

WELCOME LETTER

Dear Colleagues,

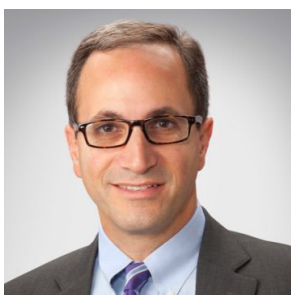
The American Head and Neck Society (AHNS) is pleased to invite you to the virtual AHNS 10th International Conference on Head and Neck Cancer, which will be held July 22-25, 2021.

The theme is Survivorship through Quality & Innovation and the scientific program has been thoughtfully designed to bring together all disciplines related to the treatment of head and neck cancer. Our assembled group of renowned head and neck surgeons, radiologists and oncologists have identified key areas of interest and major topics for us to explore. The entire conference will be presented LIVE online July 22-25, 2021. We encourage you to attend the live sessions in order to engage with the faculty and your colleagues.

After the live meeting, all of the meeting content will be posted on the conference site and remain open for on-demand viewing through October 1, 2021. Attendees may earn up to 42.25 AMA PRA Category 1 Credit(s)TM as well as earn required annual part II self-assessment credit in the American Board of Otolaryngology – Head and Neck Surgery's Continuing Certification program (formerly known as MOC).

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

- Assess and apply therapeutic options for the head and neck, salivary gland, and thyroid cancer patient in a multidisciplinary environment
- Assess emerging research that lead to better understanding of the pathogenesis of head and neck cancer and its treatment
- Assess and apply the process, outcomes, and quality of delivering care to head and neck cancer patients
- 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



Robert Ferris, MD, PhD

AHNS 2021 Conference Chair



Eben Rosenthal, MD

AHNS 2021 Program Chair



Cherie-Ann Nathan, MD, FACS

AHNS President

GENERAL INFORMATION

AHNS Accreditation Statement

The American Head & Neck Society is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The American Head & Neck Society designates this other [online live and online enduring] activity for a maximum of 42.25 AMA PRA Category 1 Credit(s)TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn their required annual part II self-assessment credit in the American Board of Otolaryngology – Head and Neck Surgery's Continuing Certification program (formerly known as MOC). It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of recognizing participation.

GENERAL INFORMATION

Who Should Attend?

Head and Neck Surgeons	Pathologists
Otolaryngologists	Residents and Fellows
Plastic Surgeons	Clinical Investigators
Surgical and Medical Oncologists	Molecular and Cellular Biologists
Dentists & Oral Surgeons	Advance Practice Providers
Radiation Oncologists	Speech and Language Pathologists
Radiologists	Allied Health Professionals

Learning Objectives

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

- A. Assess and apply therapeutic options for the head and neck, salivary gland, and thyroid cancer patient in a multidisciplinary environment, including:
 - Induction chemotherapy and concurrent chemoradiotherapy, and how these treatments impact oncologic and functional outcomes of patient with advanced head and neck cancer.
 - Novel radiation delivery, and the benefits and shortcomings of methods such as Intensity Modulated Radiotherapy (IMRT) with comparison to proton therapy.
 - Emerging molecular-targeted agents, and their efficacy and role in the treatment of head and neck cancer, including thyroid cancer.
 - 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.
 - Advances in radiology and imaging will be reviewed: Describe approaches to reduce sampling error in during surgery or pathological assessment of the tumor specimen of pre-operative and post-operative optical imaging technologies.
 - Review of new reconstructive approaches and compare with conventional strategies to compare outcomes and cost, 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:
 - New breakthroughs for disease detection, pre-treatment staging, and assessment of treatment response.
 - High throughput laboratory approaches to analyze tumors and biofluids including whole genome sequencing, cDNA microarrays, array CGH, SNP arrays and integrative genomic.
 - The significance of human papilloma virus elements and or antibodies in tumors and biofluids.
 - Pre-clinical evaluation of novel therapeutics.
 - Early detection of oral pre-malignancy and cancer and chemopreventive approaches.
 - Newly discovered biomarkers and their utility in treatment selection.
 - 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:
 - The value of treatment guidelines including the NCCN treatment guidelines in improving patient care.
 - How to measure patient-reported outcomes and maximize their utility.
 - How to establish a surgical quality and performance monitoring program.
 - How cost-effectiveness is important to consider in considering novel treatments.
 - The Physician Quality Reporting Initiative (PQRI) in head and neck cancer care.
 - Incorporating quality into trainee/medical student education.
 - 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.
 - Use of ancillary services to improve physical and emotional well-being.
 - Use of NP led survivorship clinics that allow more time for patient counseling.
 - Genetic counselors to provide help with patients suffering from germ line mutations.
 - Incorporating quality into trainee/medical student education.

GUESTS OF HONOR

Conference Chair Guest of Honor



EUGENE MYERS, MD

Dr. Eugene N. Myers comes from a long line of physicians including his Grandfather, his Father and three Uncles. His Father, David, was the Chairman of the Department of Otorhinology in the Temple University School of Medicine.

Dr. Myers received a B.S in Economics from the Wharton School of the University of Pennsylvania and his M.D. from Temple University School of Medicine. He interned at Mt.Sinai School of Medicine in New York City followed by a residency in Otolaryngology at the Massachusetts Eye and Ear Infirmary in Boston. This was followed by military service as a Captain in the U.S. Army stationed

in the 97th General Hospital in Frankfurt, Germany. He then served as a Special Fellow in Head and Neck Surgery with Dr. John Conley in New York City.

Dr. Myers was appointed Chairman of the Department of Otolaryngology in the University of Pittsburgh School of Medicine in 1972 and under his leadership transformed it into a world renowned Department. He estimates that he did 9,000 operations during the 33 years as Chairman. He has made many contributions including the development and implementation of the treatment method to properly manage patients who have extracapsular spread of cancer in their cervical lymph nodes.

Dr. Myers academic achievements include the publication of more than 300 peer reviewed articles, 20 textbooks, including the popular Cancer of the Head and Neck and Operative Otolaryngology-Head and Neck Surgery, 150 book chapters, more than 750 lectures, panels and round tables, including 48 eponymous lectures.

Dr. Myers is Past President of the American Board of Otolaryngology, the American Academy of Otolaryngology-Head and Neck Surgery, the American Society of Head and Neck Surgeons, the American Laryngological Association, and the Pan American Association of Otolaryngology-Head and Neck Surgery. He was the founder of the International Department of the American Academy of Otolaryngology-Head and Neck Surgery and organized a world wide network of National Societies which includes our Academy. He is an Honorary Member of more than 20 National Societies including the Caribbean Association of Otolaryngology. He has been an enthusiastic supporter of CAO since 1996.

Dr. Myers remains deeply involved in International affairs including membership in the International Steering Committee of our Academy. He is also President of the Board of Directors of Pittsburgh Festival Opera and a member of the Board of Directors of the Eye and Ear Foundation and SPOHNC(Support for Persons with Oral and Head and Neck Cancer).

Dr. Myers and his wife Barbara have been married for 65 years. They have a daughter Marjorie who is an Executive Recruiter and a son Jeffrey who is the Alando Ballantyne Professor and Chairman of the Department of Head and Neck Surgery in the MD Anderson Center and 5 overachieving Grandsons all of whom he loves very much.

Presidential Guest of Honor



K. THOMAS ROBBINS, MD

Dr. K. Thomas Robbins, born in Newfoundland, Canada, attended medical school at Dalhousie University. He completed an otolaryngology residency at the University of Toronto, and a fellowship at the Institute of Laryngology and Otology in London, England. Tom began his academic career at the University Texas Houston, followed by positions at M.D. Anderson Cancer Center, and the University of California at San Diego. He served as Chairman of Otolaryngology at the University of Tennessee, the University of Florida, and Southern Illinois University (SIU) before assuming the role of Executive Director of Simmons Cancer Institute at SIU and being awarded the SIU Simmons Endowed Chair of Excellence in Oncology.

Dr Robbins initiated a national societal effort to define and classify the nomenclature for neck dissections that is now an international standard. His NCI funded research on intra-arterial chemotherapy developed novel applications of chemoradiation for advanced head and neck cancer. His research on neck dissection supports active observation and less aggressive neck surgery for managing post-chemoradiation nodal disease.

Dr Robbins contributed to the merger of two competing societies into the American Head and Neck Society and served as its inaugural co-president. He served on the Board of Governors of the American College of Surgeons and chaired its Advisory Council for Otolaryngology Head and Neck Surgery. He also chaired the AAO/HNS Committee for Head and Neck Surgery and Oncology. Tom has authored 275 scientific publications and edited 5 books including Cum-ming's

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Otolaryngology Head and Neck Surgery. He has served on 4 editorial boards and was assistant editor of Archives of Otolaryngology Head and Neck Surgery.

Tom and his wife, Dr. Gayle Woodson have volunteered at Kilimanjaro Christian Medical Center in Tanzania over a span of 15 years, helping to train a new generation of Tanzanian ENT surgeons. The American Cancer Society awarded him its St. Georges National Medal for his volunteer service including President of the Illinois division, and subsequently the multi-state Lakeshores Division. Tom and Gayle are the proud parents of 4 children and 5 grand-children.

Distinguished Service Award



TERRY DAY, MD

Dr Day is the Wellin Endowed Chair and Professor and Vice Chair-Department of Otolaryngology-Head and Neck Surgery and Director of the Head and Neck Tumor Center at the Medical University of South Carolina's NCI Designated Hollings Cancer Center.

Dr Day has served as President of the American Head and Neck Society, Board of Directors of the American Academy of Otolaryngology-Head and Neck Surgery, Council of the International Academy of Oral Oncology, and President of the Head and Neck Cancer Alliance, Inc.

Presidential Citations



AMEYA ASARKAR, MD, FACS

Ameya Asarkar, MD, FACS is an Assistant Professor of Otolaryngology/Head and Neck Surgery at LSU Health Shreveport, Louisiana and Staff Physician (Otolaryngology) at the Overton Brooks Veterans Affairs Medical Center, Shreveport, Louisiana. He completed his medical school and residency in India and a Head and Neck and reconstructive surgery fellowship at Tata Memorial Hospital in Mumbai, India. He moved to the United States in 2016 to pursue an advanced Head and Neck Surgery fellowship at LSU Health, Shreveport. Upon completion of his fellowship, Dr Asarkar stayed on as faculty at LSU Health, Shreveport. His clinical focus includes the entire spectrum of head and neck surgery with specific interest in endocrine, and transoral robotic surgery.

Dr. Asarkar received the AAO-HNSF Bobby R. Alford Endowed CORE research grant in 2017 for his research investigating radiosensitizers in HPV positive PIK3 mutant head and neck Squamous cell carcinoma. His current research interests include clinical outcomes and cost effectiveness of treatment strategies in head and neck cancer patients. He has published several peer-reviewed papers and book chapters. He also serves as a reviewer on multiple national peer-reviewed journals. Dr Asarkar was inducted as a Fellow of the American College of Surgeons in 2020. Dr. Asarkar is actively involved with the American Head and Neck Society and serves on the salivary gland service committee, the clinical research and position statements committees. He is a member of numerous professional societies, including the American Academy of Otolaryngology Head and Neck Surgery, Federation of Head and Neck Oncology and Asia Pacific Society of Thyroid surgeons.



CAROL BRADFORD, MD, MS, FACS

An internationally recognized head and neck cancer researcher, surgeon and leader in academic medicine, Carol R. Bradford, MD, MS, FACS, is the dean of The Ohio State University College of Medicine and vice president for Health Sciences at The Ohio State University Wexner Medical Center in 2020. She is also the Leslie H. and Abigail S. Wexner Dean's Chair in Medicine and a professor of Otolaryngology – Head and Neck Surgery.

Dr. Bradford earned her MS in microbiology/immunology and her MD (cum laude) at the University of Michigan (U-M). She completed a general surgery internship at Saint Joseph Mercy Hospital and research fellowship and otolaryngology-head and neck surgery residency at the U-M before joining their faculty in 1992. She quickly advanced through the academic ranks, becoming department chair in 2009 and executive vice dean for academic affairs in 2016. From 2012 – 2018, she held the Charles J. Krause, M.D., Collegiate Professorship in Otolaryngology.

Dr. Bradford specializes in head and neck cancer surgery, focusing her research on identifying and evaluating biomarkers that can predict outcomes. She works to develop therapies to combat certain types of head and neck cancer that are resistant to traditional forms of treatment. She also pioneered the use of sentinel lymph node biopsy as a safe and reliable tool to stage patients with melanoma of the head and neck. She has published more than 300 peer-reviewed articles and

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contributed to more than 20 book chapters.

Her many awards include a Distinguished Service Award from the American Academy of Otolaryngology-Head and Neck Surgery in 2007, Clinical Excellence Award from Castle Connolly National Physician of the Year Awards in 2009, and the Women in Otolaryngology Helen F. Krause Memorial Trailblazer Award in 2019. She was elected as the first woman president of the American Head and Neck Society in 2012, and received that organization's Distinguished Service Award in 2015. That same year, she was inducted into the prestigious National Academy of Medicine.

In 2020, she became the president of the American Academy of Otolaryngology-Head and Neck Surgery for a one-year term. She previously served on the board of directors of this organization from 2014 – 2018. She also served as president of the Society of University Otolaryngologists in 2017. She is a fellow of the American College of Surgeons, American Head and Neck Society, Triological Society and American Laryngological Association.



PAIGE BUNDRICK, MD

Dr. Paige Bundrick received her Medical School training at Louisiana State University Health Shreveport, School of Medicine. She did her residency at the Louisiana State University Health Shreveport, Department of Otolaryngology/ Head & Neck Surgery. She completed her Fellowship training at Louisiana State University Health Shreveport in Facial Plastics and Reconstructive Surgery. Her areas of interest are reconstructive facial plastics surgery including skin cancer resection and reconstruction, rhinoplasty and nasal airway obstruction, management of facial paralysis and facial trauma. She is also working in cosmetic facial plastic surgery and

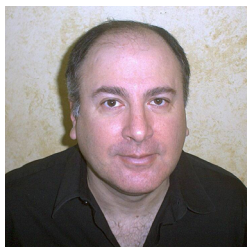
facial rejuvenation including facelift, Botox, skin resurfacing and injectable fillers, blepharoplasty, brow lift, and facial liposuction.



BRENT CHANG, MD, FRCSC

Brent A. Chang, MD, FRCSC, is an assistant professor in the Department of Otolaryngology / Head & Neck Surgery at Louisiana State University (LSU) Health Sciences Center in Shreveport. After earning his medical degree, he completed residency at the University of British Columbia and is a Fellow of the Royal College of Surgeons of Canada. He completed a clinical fellowship in Advanced Head & Neck Microvascular and Reconstructive Surgery at the Mayo Clinic Arizona under the tutelage of Dr. Richard Hayden. After completing his training, he joined the faculty at LSU Shreveport in 2018. His current practice encompasses a broad spectrum of head & neck surgery

with specific interests in microvascular reconstruction, advanced pedicled reconstruction, transoral robotic surgery, and endocrine surgery. His research focuses on health outcomes, evidence based medicine, and surgical innovation. He is heavily involved in medical training at all levels. He serves at the Associate Program Director for the Head & Neck Surgery Fellowship at LSU Health Shreveport. He also serves as the Director of Robotic Surgery and Director of Reconstructive Surgery.



ARRIGO DE BENEDETTI, PHD

Dr. Arrigo De Benedetti is Prof. in the Dept. of Biochemistry and Molecular Biology at LSUHSC, Shreveport, where he started as Assistant Professor in 1992. He grew up in Israel where he obtained his BSc in Biochemistry at Bar Ilan, University of Israel. He moved to USA shortly thereafter and graduated in 1985 from State University of NY at Albany with a PhD in Molecular Biology. He then went on to do a post-doc at University of Chicago in Molecular Genetics followed by another post-doc at University of Kentucky in Lexington.

During his postdoctoral training with Dr. Robert Rhoads who subsequently became chairman of Biochemistry/Molecular Biology at LSU Shreveport, he worked primarily on the protein synthesis initiation factor eIF4E, and made the seminal discovery that its overexpression could dysregulate cell growth and contribute to malignancy, which was published in 1990 in PNAS.

After establishing my independent lab at LSUHSC, he began investigating the mechanism of eIF4E-controlled malignant transformation of cells and also initially whether eIF4E was ever actually increased in a variety of solid tumors. Indeed, we discovered that 4E was often overexpressed in invasive BCA and colon carcinomas, but the most rewarding findings were when he started collaborating with Cherie Ann Nathan, and investigate the surgical margins, which are critical during surgical decisions for H&N cancer.

De Benedetti has helped several surgeon-scientists get started on their careers and continues to mentor and provide guidance to clinicians at LSU-Shreveport. He has been funded by the NIH and Department of Defense and is always willing to share resources.

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JONATHAN GLASS, MD

Dr. Jonathan Glass, age 80, originally from New York, received his BS from MIT (1962) and his MD from Harvard Medical School (1966). Subsequent training including his medical internship at the Hospital of University of Pennsylvania, a staff associate position at the National Heart Institute, medical residency at the Peter Bent Brigham Hospital, and a Hematology/Oncology Fellowship at the Beth Israel Hospital where he remained on staff as an Assistant Professor of Medicine at Harvard Medical School. In 1986, Dr. Glass became the Chief of Hematology and Oncology at LSU Health Sciences Center-Shreveport where he subsequently developed and was the first Director of, the Feist-Weiller Cancer Center. The FWCC grew to have nearly 60 faculty in 5 clinical and 3

basic science departments and over 250 staff. In 2001 Dr. Glass was responsible for the creation of the FWCC Ambulatory Clinic, a 60,000 square foot structure that had about 35,000 patient visits annually and encompassed the complete out-patient adult and pediatric oncologic care for the Medical, Surgical, and Otolaryngology Departments and in the same year was named the Carroll W. Feist Professor of Cancer Research. Dr. Glass' research initially focused on factors regulating the uptake of iron by erythroid precursors including mathematical modeling that demonstrated the flow of iron through various subcellular compartments and the role of Na⁺ and H⁺ fluxes in iron transport through endocytic vesicles. He later explored the mechanisms for iron uptake through intestinal epithelium including the demonstration of iron absorption through the epithelium by transcytosis. His cancer research activities centered both on clinical and basic science studies. Dr. Glass was instrumental in the development of a busy clinical research unit at the FWCC that was a member of the Southwest Oncology Group and was dedicated to cancer research studies available to the entire population of Louisiana. To accomplish this goal the FWCC developed a clinical practice that saw patients from 61 of Louisiana's 64 parishes with the average distance traveled for an outpatient visit was nearly 150 miles. His basic cancer research involved the altered interaction of transcription factors to affect the radiation sensitivity and growth properties of prostate cancer cells. By far, though, the most enjoyable activity I engaged in was the opportunity to provide mentorship to younger faculty members. And in this regard, the chance to offer a modicum of guidance to Dr. Cherie-Ann Nathan will always stand out as a high point in my career. Dr. Nathan exhibited such a strong intellect, inquiring mind, and perspicacious spirit, on top of being a superlative clinician, that it was always a joy to interact with her, discuss data, and offer comments on her grants and manuscripts.



MICHAEL M.E. JOHNS, MD

Dr. Johns is an internationally recognized leader in academic medicine, health policy, and as a head and neck cancer surgeon.

He currently serves as Professor in the Schools of Medicine and Public Health at Emory University. He is Executive Vice President for Health

Affairs Emeritus at Emory University, and President, CEO, and Chairman of the Board Emeritus of Emory Healthcare – positions he held at Emory from 1996 to 2007. During this time, Dr. Johns engineered the transformation of the Health Sciences Center into one of the nation's preeminent centers in education, research, and patient care. He also served as Emory's Chancellor from 2007 to 2012. Prior to coming to Emory, he was Vice President of the Medical Faculty and Dean of the Johns Hopkins School of Medicine. He recently served as interim Executive Vice President for Medical Affairs at the University of Michigan from June 2014 thru February 2015.

Dr. Johns has served on various private-sector and philanthropic boards, including Johnson & Johnson, the Genuine Parts Company, AMN Healthcare, and West Health. He is a member of the Board of Regents of the Uniformed Services University of the Health Sciences, as well as the Vanderbilt University Medical Center Board and the University of Michigan Health System Board.

In addition to leading complex administrative and academic organizations to new levels of excellence and service, Dr. Johns is widely renowned as a catalyst of new thinking in many areas of health policy and health professions education. He has been a significant contributor to many of the leading organizations and policy groups in health care, including the Institute of Medicine (IOM), the Association of American Medical Colleges (AAMC), and many others. He frequently lectures and publishes, and works with state and federal policy makers, on topics ranging from the future of health professions education to national health system reform. Throughout his distinguished career, Dr. Johns has been the recipient of numerous honors and awards. Most recently, in December 2016, he received an honorary Doctor of Science from his alma mater, the University of Michigan. In 2015, Dr. Johns received the Castle Connolly Lifetime Achievement Award, which is presented to physicians for their lifetime of dedication to research and practice in their respective specialties.

Dr. Johns received his bachelor's degree at Wayne State University in his hometown of Detroit and graduated with distinction from the University of Michigan Medical School. After completing his residency training in Otolaryngology/Head and Neck Surgery at Michigan, he joined the Medical Corps of the U.S. Army and was assistant chief of the

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Otolaryngology Service at Walter Reed Army Medical Center. In 1977, he joined the Department of Otolaryngology and Maxillofacial Surgery at the University of Virginia Medical Center, where he rose to the rank of Professor. In 1984, Dr. Johns was recruited to Johns Hopkins as professor and chair of Otolaryngology-Head and Neck Surgery, a department he built into one of the country's largest and most prestigious and is ranked Number 1 by USNWR.

Dr. Johns is married to Trina Johns for 54 years and has two children Christina and Michael, both practicing academic physicians.



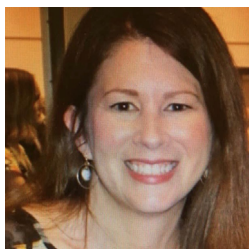
ROBERT JONES

Robert Jones is a 66 year old cancer survivor from Marshall, Texas. He has been married to my wife, Cathy for 43 years and have two grown sons, Brandon (41) and Garrett (38). He is also the proud grandfather of 6 beautiful grandchildren-Katelynn (15), Kennedy (11), Addison (10), Logan (7), Drake (5) and Evelyn (6 months). He has been associated with, and a patient of, Dr. Cheri Nathan for nearly 12 years.

His cancer journey and recovery began in the fall of 2009 when he was diagnosed with Stage 4 throat cancer. Dr. Nathan very literally saved his life when she performed a 13 hour surgery in October of that year, removing not only the enormous tumor in his throat that had begun to restrict his airway, but his thyroid, vocal cords and numerous lymph nodes. During that surgery, her skilled hands constructed him a new airway and rebuilt his entire neck to hopefully accommodate a voice prosthesis in the future.

The future turned out be to be only 7 months away! After going through chemotherapy, 6 weeks of radiation and weeks of healing, it was time to have his first prosthesis inserted and give it a try. Not only did it work, he has continued to have speech for going on twelve years now. He returned to his job full time with the Texas Department of Transportation the next month and is still working!

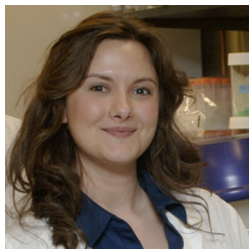
He is, and has been since 2009, cancer free! Thanks to the care, skill, guidance and determination of Dr. Nathan, he is more than a survivor. She not only saved him, she gave him a quality of life he thought was surely gone. Today, he lives life to the fullest with no limitations and is thankful everyday to have met Dr. Cheri Nathan at the darkest moment of his life. She gave him hope and proved everything was possible with her as his surgeon and guide.



ELLEN LEWIS

Ellen has 30 years of experience in patient care, starting at age 16 where she volunteered at a local hospital doing patient transport and delivering flowers and mail to patient rooms. She has worked 2 years as a nursing assistant, 7 years as a RN, and 13 years as a NP with Head and Neck Surgery (trained in H&N Surgery by Dr Cherie-Ann Nathan, the absolute best!).

She has served as the continuity of care for our cancer patients and in their survivorship clinic, where her compassion and impact is exemplary. She leads Head and Neck Survivorship monthly meetings and develops surgical care plans. Ellen is a dedicated educator who helps lead several annual outreach efforts for Head and Neck Cancer awareness and screenings in the community. She is also actively involved in research trials aimed toward improving patient outcomes and quality of life. Ellen is an excellent liaison for our patients and multidisciplinary team.



TARA MEDLIN-MOORE

Tara Moore-Medlin is a native of Shreveport, LA and works in Dr. Cherie-Ann Nathan's research laboratory in the Department of Otolaryngology/Head & Neck Surgery. She graduated from LSUS with a BS in Biological Sciences. Her first research position was at LSUHSC in Microbiology & Immunology in a norovirus (MNV-1) research laboratory. She then relocated to Memphis, TN where she worked at St. Jude Children's Research Hospital as a technician in the Department of Immunology from 2007-2009 assisting in T-cell and Type 1 Diabetes research. In 2009 she returned to Louisiana and joined the LSU Health Sciences Center Department of Otolaryngology/HNS as a research associate, where she then advanced to Lab Manager and Clinical Coordinator, and currently holds the position of Research Specialist.

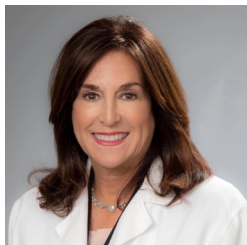
Tara is committed to excellence in research practice and ethics. She has 10+ years of experience coordinating over 35 investigator-initiated clinical trials, which includes drafting protocols, writing and maintaining regulatory documents, data monitoring and correspondence with our Institutional Review Board and Human Research Protections Program, managing

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data and specimen banks, as well as data and specimen collection, processing and analysis.

The number of medical students and residents seeking to gain experience in both basic science and clinical research by working in the laboratory continues to increase and I believe Tara's ability to connect with medical students has been the reason our lab has been so successful in recruiting medical students for summer research projects. Tara's role greatly supports their needs and she keeps projects on track while ensuring training and regulatory approvals are met for all.

Tara handles all aspects of lab management and her versatility and organizational skills contribute to the continued success of the lab. Her constant aim is to conduct quality translational research with the shared goal of improving head and neck cancer treatment, survival and prevention strategies.



ANNA POU, MD

Dr. Pou joined the department of otolaryngology head and neck surgery at LSU health science Center in New Orleans. During her tenure there she was a professor in the department and served as program director, administrative vice chair and Director of quality and patient safety. She Recently joined the department of otolaryngology head and neck surgery at Ochsner health system New Orleans in 2018.



AMY RAY

Amy Ray grew up in California and being a Navy daughter moved overseas for many years and finally landed in Louisiana where she is now an administrative coordinator in the Department of Otolaryngology/HNS at LSU Health in Shreveport, where she has worked since 1998. Her role supports academic physicians, residents, medical students, and departmental research staff. She coordinates everything from administration, travel, licensing, to patients appointments. She has watched the department grow throughout her time there, seamlessly adapting to maintain unparalleled organization and order.

Her colleagues say she is amazingly organized, trustworthy, and diligent; she does an amount of work normally done by at least three people in similar offices. Supporting such a large number of people and physicians in different locations is challenging and time management is key. Amy handles these pressures daily thanks to her arsenal of experience, personal strengths and organizational skills.

Perhaps the thing that serves Amy best in her role is her incredibly determined attitude. If something has to be done, she finds a way to get it done. By planning ahead and anticipating the needs of the people she's supporting, she makes their jobs easier. While that's not necessarily simple, it certainly makes a big difference in their lives.



WILLIAM RICHTSMEIER, MD

Dr Richtsmeier was born and raised in Madison, Wisconsin. He earned a degree in Biology at The University of Notre Dame after which he and his wife, Mickie, married. They began their life together in Milwaukee where he entered graduate school studying Microbiology at Marquette University which would eventually become the Medical College of Wisconsin. After 2 years he was accepted to Medical school at Case Western Reserve School of Medicine in Cleveland Ohio. Four years later, with a little magic and lots of understanding from family and teachers he received his MD degree from Case and PhD from Milwaukee the same month despite the institutions being 420 miles apart.

He began his post degree education at the University of Virginia (finishing training in 4 years due to a glitch in the ABO's requirement for completion of training). He went to work at the Mary Imogene Bassett Hospital in Cooperstown, NY, as their only Otolaryngologist. In Cooperstown he was able to start his own tissue culture laboratory but after four years decided to return to the University. After a brief adventure at the University of Washington, in Seattle, he was recruited to Johns Hopkins where Mike Johns had assembled an outstanding group of surgeons, scientists and teachers. In 1992 he was recruited by Dr Sabiston to lead the Division of Otolaryngology at Duke University. In 1999 he returned to Cooperstown where he has been Division Chief, Director of the Cancer Center, and lead safety physician.

He has received Presidential Citations from the Triological Society and the American Head and Neck Society. He has served on the Council of the American Society of Head and Neck Surgeons during the merger of the two H&N societies. He has also served on the Editorial Boards of the Archives of Otolaryngology, Laryngoscope, and The Journal of the AAOHNS.

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MELANIE SHAHA

Melanie Shaha is from Denver, Colorado, and completed her Master's in Speech-Language Pathology at Vanderbilt University. She completed her Clinical Fellowship at Ochsner LSU Shreveport where she went on to work with Dr. Cherie-Ann Nathan on evaluation and treatment of dysphagia, airway, and voice disorders, as well as total laryngectomy rehabilitation and TEP management. Additionally, she was the lead SLP working with the head and neck reconstructive team and LSU Voice Center. She is currently based in Birmingham, Alabama with her husband, who is completing his Laryngology fellowship. She enjoys baking, running, and spending time in the great outdoors.

The AHNS gratefully acknowledges generous unrestricted educational grants in support of the 10th International meeting as follows:

Karl Storz Endoscopy

Medtronic

Cook Medical

PROGRAM

THU

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THURSDAY, JULY 22, 2021 * The program and schedule is subject to change.

All Times Listed in Central Time Zone

8:00am – 9:15am



OPENING CEREMONY (NO CME)

Grant Achatz

Chef Grant Achatz is one of the most awarded and recognized chefs in the world. Known for his innovative, emotional, and modernist style of cuisine he has been named Best Chef in the United States by the James Beard Foundation, honored by Time Magazine as one of the 100 Most Influential People in the World, and has given talks and lectures on gastronomy and design at conferences and universities around the world. In 2004 Grant began building his dream restaurant, Alinea. Partnering with restaurant neophyte Nick Kokonas they sought to redefine

fine dining in America, questioning not only culinary concepts but also the guest experience, tableware design, and restaurant bookings.

Unfortunately, Grant was diagnosed with stage 4b cancer of the tongue several years ago. We invited him to be part of our International Conference, focusing on our theme of survivorship, so he can share his cancer journey and treatment plan. Please attend the opening ceremonies to hear his inspirational story.

Welcome by Conference Leadership — *Robert L Ferris, MD, PhD*

Conference and Program Overview — *Robert L Ferris, MD, PhD and Eben Rosenthal*

Introduction of Conference Chair Guest of Honor: Eugene Myers, MD, FRCS — *Robert L Ferris, MD, PhD*

Introduction of Presidential Guest of Honor: K. Thomas Robbins, MD, FRCSC — *Cherie Ann Nathan, MD*

Introduction of Special Guest — *Everett Vokes, MD*

Special Guest Speaker — *Mr. Grant Achatz*

Recognition of Bill Brummel And Dr. Sinha — *Cherie Ann Nathan, MD*

Shout at Cancer Choir Performance

Closing Comments — *Robert L Ferris, MD, PhD and Eben Rosenthal, MD*

9:15am – 9:45am



JOHN J. CONLEY LECTURE – “A PRESCRIPTION FOR ADVOCACY: LOUISIANA’S APPROACH TO ELIMINATING HEP C”

Rebekah Gee, MD

Dr. Rebekah Gee is an Obstetrician/Gynecologist and CEO of Health Care Services for Louisiana State University. She recently served as Secretary of the Louisiana Department of Health, the state’s largest agency with a budget of \$14 billion. In this cabinet role, her oversight responsibilities included Medicaid, Public Health, Disability Services, Behavioral Health, Aging and Adult Services, and disaster preparedness and response.

While Secretary, Dr. Gee led the healthcare response to a variety of significant weather events as well as the response to infectious disease outbreaks such as Zika and Hepatitis A. Dr. Gee is a champion for healthcare coverage and was responsible for implementing the Medicaid expansion which extended coverage to over 500,000 Louisianans. She has led national policy discussions on the creation of affordable pharmaceuticals and developed a first in the nation elimination campaign for Hepatitis C spearheaded by her successful drug-pricing negotiations. As a result of this subscription model for individuals in Medicaid or who are incarcerated, more than ten times the number of Louisianans have been treated for Hepatitis C this year than in her first year as Secretary. She successfully eliminated a decades-long waitlist for individuals and families needing disability services by tailoring waiver services to recipient needs. Dr. Gee implemented an aggressive statewide opioid response plan, along with her statewide standing order for Naloxone, which has saved lives and been used by thousands of Louisianans. Dr. Gee led the charge to reduce maternal mortality and her efforts have resulted in a 39% reduction in complications due to heavy bleeding—the leading preventable cause of maternal death, and a 60% reduction in severe complications of pregnancy. Dr. Gee is a champion for health equity and created the South’s first Office of Health Equity in a state department of health.

9:45am – 10:30am

PRESIDENTIAL ADDRESS AND AWARDS

Cherie Ann Nathan, MD

Introduction by Bert O’Malley, MD

10:30am – 11:00am

BREAK

11:00am – 12:20pm

CONTROVERSIAL TOPICS IN THYROID MANAGEMENT

Moderators: Ashok Shaha, MD, Brendan Stack, MD

Panelists: Ellie Maghami, MD, Louise Davies, MD, MS, Elizabeth Blair, MD, Kerstin Stenson, MD, FACS

Schedule

Case Presentation: Molecular Markers for Bethesda III and IV Lesions	11:00 am – 11:03 pm
Case Discussion	11:03 am – 11:13 pm
Case Presentation: Micro Carcinomas	11:13 am – 11:16 am
Case Discussion	11:16 am – 11:26 am
Case Presentation: RAI	11:26 am – 11:29 am
Case Discussion	11:29 am – 11:39 am
Case Presentation: Thyroid Cancer Lymphadenopathy	11:39 am – 11:42 am
Case Discussion	11:42 am – 11:52 am
Case Presentation: Anaplastic Thyroid Carcinoma	11:52 am – 11:55 am
Case Discussion	11:55 am – 12:05 pm
Case Presentation: Advanced Thyroid Cancer Surgery/Tracheal Involvement	12:05 pm – 12:08 pm
Case Discussion	12:08 pm – 12:20 pm

Description

This session will outline what is currently known about the goals and relative priorities of head and neck cancer patients who have underwent treatment. Specific cases with real head and neck cancer survivors will be used to highlight common treatment-related side effects and approaches that can be used to help reduce short and long term toxicity.

Learning Objectives

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

- Recognize common treatment-related side effects that impact head and neck cancer survivors.
- Observe the relative priority survivors place on head and neck cancer cure compared to side effects from treatment.
- Outline techniques that can be used to mitigate toxicity from head and neck cancer therapy.

11:00am – 12:20pm

MANAGEMENT OF MARGINS IN ORAL CAVITY CANCER (NO CME)

Moderators: Mark Varvares, MD

Speakers & Schedule

Introduction	11:00 am – 11:10 am
How to Avoid a Positive Margin – Terry Day, MD	11:10 am – 11:25 pm
Margin Analysis – a Surgeon's Perspective – Stephan Kang, MD	11:25 am – 11:40 am
Oral Cavity Margin Assessment – a Pathologist's Perspective – Margaret S. Brandwein-Weber, MD	11:40 am – 11:55 am
Future Directions in Margin Management – Snehal Patel, MD, FRCS	11:55 am – 12:10 pm
Question and Answer – All Panelists	12:10 pm – 12:20 pm

Description

Through a series of short lectures by nationally recognized experts on the topic we will address the key issues related to margin assessment in oral cancer resections.

Learning Objectives

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

- Convey the key points in the discussion as to what constitutes a clear margin in oral cancer resections.
- Employ surgical techniques so as to minimize the risk for a final positive margin.
- Recognize what is on the horizon with respect to intraoperative guidance to decrease the risk of incomplete tumor resection.

12:20pm – 1:00pm

BREAK

1:00pm – 1:50pm

CONTROVERSIES IN THE NO NECK

Moderators: Stephen Lai, MD, PhD, FACS

Panelists: Kevin Robbins, MD, Sandeep Samant, MS, FRCS, Shaum Sridharan, MD, Kelly Malloy, MD

Schedule

Introduction/Background	1:00 pm – 1:05 pm
Case Study Presentation and Discussion	1:05 pm – 1:45 pm
Question and Answer	1:45 pm – 1:50 pm

Description

A panel of experts will discuss the management of head and neck mucosal cancer patients with node-negative staging. The presentation will focus on case studies as the basis for discussion of currently available evidence and opportunities to investigate current questions and issues.

Learning Objectives

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

- Understand the evolution of options available for management of the node-negative (N0) neck for head and neck mucosal cancer.
- Evaluate the strengths and weaknesses of the available evidence regarding current treatment approaches for the N0 neck.
- Identify opportunities to generate high-quality evidence related to treatment approaches for the N0 neck and the consequences of those options (e.g., quality of life, cost effectiveness).

1:00pm – 1:50pm

UPDATES IN IMMUNOTHERAPY TRIALS

Moderators: *Ezra Cohen, MD*

Speakers & Schedule

IO and HPV-Associated Cancers – <i>Barbara Burtness, MD, A.B. Honors in Biology</i>	1:00 pm – 1:07 pm
Neoadjuvant ChemIO Prior to Curative Chemoradiation – <i>Aditya Juloori, MD</i>	1:07 pm – 1:14 pm
Neoadjuvant IO with Surgery for HPV-Negative Disease – <i>Ravindra Uppaluri, MD, PhD</i>	1:14 pm – 1:21 pm
How Should We Combine IO with Radiotherapy? – <i>Kevin Harrington, MD</i>	1:21 pm – 1:28 pm
Emerging IO Agents in HNSCC – <i>Ezra Cohen, MD</i>	1:28 pm – 1:35 pm
Panel Discussion & Question and Answer – <i>All Panelists</i>	1:35 pm – 1:50 pm

Description:

This session will update participants on how immunotherapy has been used in HNSCC, especially the locally advanced setting.

Learning Objectives

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

- Appraise the current data on the use of immunotherapy in HNSCC.
- Recognize potential strategies to integrate immunotherapy in HNSCC.
- Articulate the challenges to using immunotherapy in HNSCC.

2:10pm – 3:00pm

CONTROVERSIES IN NON-MELANOMA SKIN CANCER MANAGEMENT

Moderators: *Cecelia Schmalbach*

Speakers & Schedule

Welcome/Overview – <i>Cecelia Schmalbach, MD, MSc, FACS</i>	2:10 pm – 2:15 pm
Objective #1 – <i>Sue Yom, MD</i>	2:15 pm – 2:27 pm
Objective #2 – <i>Dan Zanderg, MD</i>	2:27 pm – 2:39 pm
Objective #3 – <i>David Coggnetti, MD</i>	2:39 pm – 2:51 pm
Question and Answer – <i>All Panelists</i>	2:51 pm – 3:00 pm

Description:

This interactive panel brings together leading specialists from Radiation Oncology, Medical Oncology and Otolaryngology-HNS to provide evidence-based answers to controversies surrounding the management of advanced NMSC. 3 tumor board style cases with interactive polling will provide rich discussion surrounding adjuvant radiation for surgically resected cSCC, PD-1 systemic therapy for BCC and cSCC, and optimal management of Merkel Cell Carcinoma.

Learning Objectives:

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

- Demonstrate understanding of the role for adjuvant radiation for surgically resected advanced NMSC.
- Explain the indications for PD-1 inhibitor systemic use for advanced BCC and SCC.
- Outline Merkel cell carcinoma treatment options with respect to sentinel node biopsy, selective neck dissection and radiation therapy.

2:10pm – 3:00pm

BATTLEGROUND OROPHARYNX: PHOTONS, PROTONS, LASERS, AND ROBOTS

Moderators: *Chris Holsinger, MD*

Speakers & Schedule

Introduction – <i>Chris Holsinger, MD</i>	2:10 pm – 2:12 pm
Radiation Oncology Pearls & Pitfalls – <i>Sharon Spencer, MD</i>	2:12 pm – 2:17 pm
Descalation of Treatment with Surgery – <i>Umamaheswar Duvvuri, MD, PhD</i>	2:17 pm – 2:22 pm
The Unknown Primary: 'Search & Rescue' – <i>Bruce Haughey, MBChB, FACS, FRACS</i>	2:22 pm – 2:27 pm
Surgery for Oropharyngeal Cancer: What are we Arguing and Debating in Tumor Board – <i>Gady Har-El, MD</i>	2:27 pm – 2:32 pm
Case Discussion #1 – <i>All Panelists</i>	2:32 pm – 2:37 pm
Case Discussion #2 – <i>All Panelists</i>	2:37 pm – 2:47 pm
Case Discussion #3 – <i>All Panelists</i>	2:47 pm – 2:57 pm
Closing – <i>Chris Holsinger, MD</i>	2:57 pm – 3:00 pm

Description

Pre-operative decision-making and patient selection have a significant influence of post-op adjuvant care and thus overall functional outcomes. Yet there is a lack of consensus about what these pre-operative decision-making criteria are. Which patients are best for surgery? Which for radiation? Should some patients have TLM? In this multidisciplinary panel, experts present a series of 3-5 min rapid-fire "pearls and pitfalls" presentations, then we spend more than half the session managing both routine and challenging cases, including: a T2 N0 SCC left tonsil ; 49 yo M never smoker ; T1 N1 SCC midline tongue-base 75 yo M never smoker (tumor = midline); T0 N1 SCC p16+ presumed oropharynx.

Learning Objectives

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

- Identify which patients with oropharyngeal cancer are best suited for surgery.
- Discuss indications for post-operative adjuvant therapy for patients with oropharyngeal cancer treated with transoral endoscopic H&N surgery (TORS or TLM).
- Formulate the current approach to identifying and managing the unknown primary SCC metastatic to the neck.

3:00pm – 3:30pm

BREAK

3:30pm – 4:20pm

CONTROVERSIES IN RECONSTRUCTIVE SURGERY

Moderators: Mark Wax, MD & Daniel Deschler, MD, FACS

Panelists: Richard Hayden, MD Liana Puscas, MD, D. Gregory Farwell, MD, FACS

Schedule

Case Presentation – Mark Wax, MD	3:30 pm – 3:32 pm
Panel Discussion – All Panelists	3:32 pm – 3:47 pm
Case Presentation – Daniel Deschler, MD, FACS	3:47 pm – 3:49 pm
Panel Discussion – All Panelists	3:49 pm – 4:04 pm
Case Presentation – Mark Wax, MD	4:04 pm – 4:06 pm
Panel Discussion – All Panelists	4:06 pm – 4:20 pm

Description

We will use a case management format to discuss controversial reconstructive issues: Free tissue transfer for scalp reconstruction versus Integra, early stage hemi-glossectomy with a radial forearm versus regional flap, the role of 3D modeling for simple and complex maxillofacial reconstruction.

Learning Objectives

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

- Distinguish the difference soft tissue options available for tongue reconstruction.
- Discussed the difference in wound healing with free tissue transfer versus Integra.
- Integrate 3D modeling into complex maxillofacial reconstruction.

3:30pm – 4:20pm

LARYNGEAL CANCER – CONTROVERSIES

Moderators: *Bevan Yueh, MD*

Speakers & Schedule:

Case Presentation #1 – <i>Bevan Yueh, MD</i>	3:30 pm – 3:32 pm
Case Discussion with Panel – <i>Richard Smith, MD</i>	3:32 pm – 3:42 pm
Case Presentation #2 – <i>Bevan Yueh, MD</i>	3:42 pm – 3:44 pm
Case Discussion with Panel – <i>Jimmy Caudell, MD</i>	3:44 pm – 3:54 pm
Case Presentation #3 – <i>Bevan Yueh, MD</i>	3:54 pm – 3:56 pm
Case Discussion with Panel – <i>Saad Khan, MD</i>	3:56 pm – 4:06 pm
Case Presentation #4 – <i>Bevan Yueh, MD</i>	4:06 pm – 4:08 pm
Case Discussion with Panel – <i>Brian Burkey, MD, MEd, FACS</i>	4:08 pm – 4:20 pm

Description:

We will use case discussions to highlight controversies in the treatment of laryngeal cancer, including the management of new primary tumors, recurrent and persistent disease, and complications after treatment. The panelists will provide 1-2 take-home points on each case.

Learning Objectives:

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

- Appraise treatment options for locoregional new primary and recurrent tumors of laryngeal cancer.
- Determine indications for the use of immunotherapy in the recurrent setting.
- Recognize diagnostic and treatment dilemmas in the management of complications such as osteoradionecrosis.

4:40pm – 5:30pm

VIDEO SESSION: EXPERTS IN SURGICAL TECHNIQUE – HEAD AND NECK

Moderators: *Sarah Rohde, MD*

Speakers & Schedule:

Neck Dissection – <i>William Carroll, MD</i>	4:40 pm – 4:55 pm
Oral Cavity Resection – <i>Claudio Cernea, MD</i>	4:55 pm – 5:10 pm
Robotic Oropharyngeal Resection – <i>Gregory Weinstein, MD</i>	5:10 pm – 5:25 pm
Question and Answer – <i>All Panelists</i>	5:25 pm – 5:30 pm

Description:

This session will use video to review technique related to oral cavity resection, neck dissection and robotic oropharyngeal resection. Participants will learn standard techniques plus pearls from experts in each area.

Learning Objectives:

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

- Articulate key steps in neck dissection, oral cavity resection and robotic oropharyngeal resection.
- Develop approaches to common challenges in the surgical treatment of squamous cell carcinoma.
- Integrate surgical pearls into future cases.

4:40pm – 5:30pm

HEALTH DISPARITIES IN MODERN HEAD AND NECK PRACTICE: HOW CAN WE DO BETTER? (ORGANIZED BY THE AHNS WOMEN IN HNS SERVICE)

Moderators: Amy Chen, MD, MPH & Kelly Malloy, MD

Speakers & Schedule:

Introduction – Amy Chen, MD, MPH	4:40 pm – 4:55 pm
Case 1: Socioeconomic/Racial Disparities – Kelly Malloy, MD	4:55 pm – 5:10 pm
Case 1: Socioeconomic/Racial Disparities – Gina Jefferson, MD	5:10 pm – 5:25 pm
Case 1: Socioeconomic/Racial Disparities – Leila Mady, MD PhD MPH, Finance and Chemistry (minor)	5:25 pm – 5:30 pm
Case 2: Clinical Trials – Kelly Malloy, MD	4:40 pm – 4:55 pm
Case 2: Clinical Trials – Nicole Schmitt, MD	4:55 pm – 5:10 pm
Case 3: Access to Care – Amy Chen, MD, MPH	5:10 pm – 5:25 pm
Case 3: Access to Care – Antoine Eskander, MD, ScM, FRCSC	5:25 pm – 5:30 pm
Discussion with Audience – All Panelists	5:25 pm – 5:30 pm

Description:

We will use a case management format to discuss four aspects of disparities: clinical trial disparities, racial-ethnic-socioeconomic disparities, and access to care disparities.

Learning Objectives:

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

- Predict important socioeconomic, racial, and ethnic disparities that may impact your patients' care.
- Identify barriers to clinical trials participation.
- Advocate effectively for your patients to achieve equity in care.

5:30pm – 6:30pm

AHNS WOMEN IN HNS RECEPTION

6:45pm – 7:45pm

INDUSTRY SYMPOSIA – CARDINAL HEALTH

Evaluating SLNB for Oral Cavity Cancer

Speaker: Stephen Lai, M.D., Ph.D., FACS

This event is is not planned or accredited for CME by the AHNS.

[Register Here](#)

6:45pm – 7:45pm

INDUSTRY SYMPOSIA – REGENERON & SANOFI GENZYME

Multidisciplinary Management of Locally Advanced BCC

Speaker: Dr. Eric Whitman, MD, Medical Director, Atlantic Health System Cancer Care; Director, Atlantic Melanoma Center

This event is is not planned or accredited for CME by the AHNS.

[Register Here](#)

PROGRAM

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FRIDAY, JULY 23, 2021

All Times Listed in Central Time Zone

7:30am – 8:30am

JATIN SHAH SYMPOSIUM: DE-ESCALATION THERAPY – WHAT IT MEANS FOR PATIENT CARE TODAY

Moderators: *Robert Ferris, MD, PhD*

Speakers & Schedule

Rationale and History for Treatment Deintensification – <i>Robert Ferris, MD, PhD</i>	7:30 am – 7:34 am
Results of Surgical Deintensification Trials Including ECOG-3311, PATHOS, and ORATOR – <i>Neil Gross, MD, FACS</i>	7:34 am – 7:42 am
Controversies in Transoral Surgery with De-escalation – <i>Jeremy Richmon, MD, FACS</i>	7:42 am – 7:50 am
Results of Prospective Trials of Radiation Dose and Field Deintensification for Good Prognosis Disease – <i>Aditya Juloori, MD</i>	7:50 am – 7:58 am
Use of Induction Therapy to Identify Good Prognosis Patients (Chemo Selection) for Reduced Dose Concurrent Therapy – <i>Everett E. Vokes, MD</i>	7:58 am – 8:06 am
Putting It All Together, Selecting the Right Patient for the Right Intensity Therapy at the Right Time and The Future Head to Head Comparative Phase III Trials – <i>Barbara Burtness, MD, A.B. Honors in Biology</i>	8:06 am – 8:14 am
Case Based Discussion – <i>All Panelists</i>	8:14 am – 8:30 am

Description

With the greater understanding of risk stratification including the identification of HPV+ oropharynx cancer and its dramatically better prognosis, attention has focused on developing level 1 evidence in favor of reduced intensity therapy to promote survivorship and reduce treatment related toxicities. This symposium will report on recently completed and ongoing prospective clinical trials aimed at reducing toxicity of conventional therapies as well as identifying good prognosis, low-risk populations who are most appropriate for this type of therapy.

Learning Objectives

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

- Identify risk stratification categories to distinguish low-risk populations particularly HPV+ oropharynx cancer patients who are candidates for reduced intensity therapy.
- Describe reported and ongoing strategies for reducing chemotherapy, radiation therapy, and/or surgical therapy based on prospective randomized trials and results.
- Discuss oncologic outcomes to date and functional and quality of life endpoints from prospective trials of de-intensified therapy.

8:45am – 9:30am

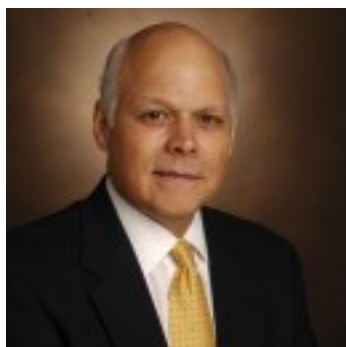


KEYNOTE ADDRESS

Otis Webb Brawley, MD, MACP, FRCP, FASCO, FACE

Otis Webb Brawley is a medical oncologist and epidemiologist. He serves as Bloomberg Distinguished Professor in the Department of Oncology of the School of Medicine and the Department of Epidemiology in the Bloomberg School of Public Health at Johns Hopkins University. He is a member of the National Cancer Institute Board of Scientific Advisors and the National Academy of Medicine. From 2007 to 2018, Brawley was Chief Medical and Scientific Officer of the American Cancer Society. From that position, he oversaw the largest private cancer research funding program in the U.S. He previously served as a professor in the Emory University School of Medicine and the Rollins School of Public Health and as a tenured senior investigator at the National Cancer Institute. Among numerous awards, he received the Key to St. Bernard Parish for his work in the U.S. Public Health Service in the aftermath of Hurricane Katrina. He is a Master of the American College of Physicians, a Fellow of the Royal College of Physicians (London), a Fellow of the American Society of Clinical Oncology, and a Fellow of the American College of Epidemiology. Brawley graduated from the University of Chicago, Pritzker School of Medicine.

9:45am – 10:30am



HAYES MARTIN LECTURE

James Netterville, MD

James L. Netterville, M.D. is the Mark C. Smith Professor, Director of Head and Neck Oncologic Services and Executive Vice Chair of Vanderbilt's Department of Otolaryngology – Head and Neck Services, and Associate Director of the Bill Wilkerson Center for Otolaryngology and Communication Sciences. He is past President of the American Academy of Otolaryngology – Head and Neck Surgery (AAO-HNS). His primary interests are Head and neck oncologic surgery, Endocrine surgery, skull base surgery, with special interest in the management of Head & Neck paragangliomas, Tumors of the parapharyngeal space, recurrent/persistent Thyroid cancer, as well as enucleation of schwannomas of major cranial nerves. His research interests are in the areas of robotic development, cranial nerve rehabilitation, baro-reflex failure, and clinical outcomes. For the last 21 years he as lead and participated in medical educational outreach with efforts in Kenya, Nigeria, Uganda, and Haiti. The emphasis of these collaborative outreach trips is education, capacity building, and collection of educational and patient care outcomes. He has been on Faculty at Vanderbilt since 1986, which has offered him the rare opportunity to train over 150 Otolaryngology HNSurg. residents, and 54 Head & Neck surgical oncology Fellows. He is most proud of his "Medical Children" and all they have accomplished to make this world a much better place.

10:30am – 11:00am

BREAK

11:00am – 12:20pm

REDUCING THE BURDEN – IMPROVING QUALITY OF LIFE IN SURVIVORSHIP

Moderators: *Carole Fakhry, MD, MPH*

Speakers & Schedule

Welcome and Introduction – <i>Carole Fakhry, MD, MPH</i>	11:00 am – 11:05 am
The Importance of Survivorship – <i>Michael Moore, MD</i>	11:05 am – 11:20 am
How Do We Measure Success? – <i>Wayne Koch, MD</i>	11:20 am – 11:35 am
What is Needed for a Successful Survivorship Program? – <i>Steven Cannady, MD</i>	11:35 am – 11:50 am
Multidisciplinary Survivorship Care: An Institutional Perspective – <i>Melanie Nance, MD</i>	11:50 am – 12:05 pm
Discussion/Question and Answer – <i>All Panelists</i>	12:05 pm – 12:20 pm

Description

Increasingly, quality of life and treatment-related toxicity, in addition to cancer cure, are being recognized as priorities for those undergoing head and neck cancer treatment. This session will outline evidence to support the development of survivorship programs and metrics used to assess quality of life and function after head and neck cancer treatment as well as aspects that are important in order to develop a successful survivorship program.

Learning Objectives

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

- Outline evidence to support the development of head and neck cancer survivorship programs.
- Describe evidence-based tools to measure important survivorship metrics such as distress, swallowing function and quality of life.
- Outline key components necessary for implementing a successful head and neck cancer survivorship program.

11:00am – 12:20pm

OROPHARYNX CANCER DEBATE

Moderators: *Bert O'Malley, MD*

Speakers & Schedule

Oropharynx Cancer Case 1 – <i>Hisham Mehanna, PhD, MD</i>	11:00 am – 11:15 am
Oropharynx Cancer Case 2 – <i>Christine Chung, MD</i>	11:15 am – 11:30 am
Oropharynx Cancer Case 3 – <i>Andy Clump, MD, PhD</i>	11:30 am – 11:45 am
Oropharynx Cancer Case 4 – <i>Matthew Old, MD</i>	11:45 am – 12:00 pm
Question and Answer – <i>All Panelists</i>	12:00 pm – 12:20 pm

Description

We will use a case presentation and management format to facilitate conversation and debate as to the various options for managing patients with Oropharynx Cancer. With our session faculty, we bring together a combination of surgical expertise, radiation expertise, and chemotherapy expertise and will present cases that stimulate discussion as to the optimal treatment algorithms for patients with oropharyngeal cancer.

Learning Objectives

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

- Demonstrate an in depth understanding of the various treatment options for oropharyngeal cancer.
- Recognize the benefit and weaknesses of the various treatment options as they relate to outcomes for oropharyngeal cancer.
- Develop the decision making strategy for informing patients about their treatment options and making the optimal and personalized treatment plan.

12:20pm – 1:00pm

BREAK

1:00pm – 1:50pm

ADVANCED THYROID CANCER TUMOR BOARD

Moderators: Mark Zafereo, MD

Panelists: Joseph Scharpf, MD, FACS, Lori Wirth, MD, Miriam Lango, MD, William Armstrong, MD

Schedule

Introduction	1:00 pm – 1:05 pm
Case Presentation #1 with Panel Discussion	1:05 pm – 1:20 pm
Case Presentation #2 with Panel Discussion	1:20 pm – 1:35 pm
Case Presentation #3 with Panel Discussion	1:35 pm – 1:50 pm

Description

We will use a case presentation format to discuss novel therapeutics and multidisciplinary treatment strategies in the management of advanced thyroid cancer including aggressive differentiated thyroid cancer, medullary thyroid cancer, and anaplastic thyroid cancer.

Learning Objectives

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

- Identify novel targeted systemic therapy strategies for advanced thyroid cancer.
- Relate how multidisciplinary treatment strategies may be integrated with surgery for optimal management of patients with advanced thyroid cancer.
- Discuss surgical complexities, challenges, and decision-making in advanced thyroid cancer.

1:00pm – 1:50pm

PROFFERED PAPERS 1: SKULL BASE PLUS

Moderators: Andrew Birkeland, MD, Rusha Patel, MD & Heath Skinner, MD

(S001) INTRA-OPERATIVE FROZEN SECTION HISTOPATHOLOGY IN SINONASAL AND SKULL BASE TUMORS: A SINGLE INSTITUTION EXPERIENCE.

Tim Mclean, MBBS; Conall Fitzgerald, MBCh; Avery Yuan, MB, MMCi; Snehal Patel, MD; Snjezana Dogan, MD; Ian Ganly, MD, PHD; Marc Cohen, MD, MPH; Memorial Sloan Kettering Cancer Center

(S002) ENDOSCOPIC CT-NAVIGATED INTRAOPERATIVE MAPPING BIOPSIES OF THE CRANIAL BASE IN THE MANAGEMENT OF RECURRENT NASOPHARYNGEAL CANCER.

Peter Costantino, MD, FACS¹; Rakhna Araslanova, MD, FRCSC¹; Tristan Tham, MD²; ¹New York Head and Neck Institute; ²Zucker School of Medicine at Hofstra/Northwell, New York, NY

(S003) ASSESSING THE RELATIONSHIP BETWEEN SUVMAX, GENOMIC PROFILE AND SURVIVAL IN HEAD & NECK CANCER PATIENTS RECEIVING IMMUNOTHERAPY

Conall W Fitzgerald, MD; Cristina Valero, MD; Christina E Swartzwelder, RPAC; Luc G Morris, MD; Memorial Sloan Kettering Cancer Center

(S004) SYSTEMIC INFLAMMATION IS ASSOCIATED WITH DISEASE EXTENT AND SURVIVAL IN ORAL CAVITY SQUAMOUS CELL CARCINOMA

Brendan Coutu, MD; Dallin Christensen, MD; Evan Ryan, BS; Elizabeth Bradford Bell, MD; Weining Zhen, MD; Zafar Sayed, MD; University of Nebraska Medical Center

(S005) YOUNG NON-SMOKERS WITH ORAL CANCER: WHAT ARE WE MISSING AND WHY?

Cristina Valero¹; Avery Yuan¹; Daniella K Zanon¹; Snjezana Dogan²; Jatin P Shah¹; Luc G Morris¹; Richard J Wong¹; Aviram Mizrahi³; Snehal G Patel¹; Ian Ganly¹; ¹Head and Neck Service, Memorial Sloan Kettering Cancer Center, New York, NY, USA; ²Department of Pathology, Memorial Sloan Kettering Cancer Center, New York, NY, USA; ³Department of Otorhinolaryngology – Head and Neck Surgery, Rabin Medical Center, Petah Tikva, Israel

(S006) PRACTICE PATTERNS IN TRANSORAL ROBOTIC SURGERY: RESULTS OF AN AMERICAN HEAD AND NECK SOCIETY SURVEY

Andrew J Holcomb, MD¹; Rachael Kammer, CCCSLP¹; Allison Holman, CCCSLP¹; Tessa Goldsmith, CCCSLP¹; Vasu Divi, MD²; Heather M Starmer, CCCSLP²; Joseph Zenga, MD³; Ryan Li, MD⁴; Urjeet A Patel, MD⁵; Jeremy D Richmon, MD¹; ¹Massachusetts Eye and Ear / Harvard Medical School; ²Stanford University; ³Medical College of Wisconsin; ⁴Oregon Health Sciences University; ⁵Northwestern University

2:10pm – 3:00pm

MANAGEMENT OF SALIVARY GLAND TUMORS

Moderators: *Patrick Ha, MD, FACS*

Speakers & Schedule

Introduction – <i>Patrick Ha, MD, FACS</i>	2:10 pm – 2:13 pm
Optimal Imaging for Staging and Surveillance of Salivary Gland Tumors – <i>Barton Branstetter, IV, MD</i>	2:13 pm – 2:18 pm
Extent of Parotidectomy and the Role of Extracapsular Dissection – <i>Marita Teng, MD, FACS</i>	2:18 pm – 2:23 am
Retrograde Approach for Parotid Tumors – <i>Davud Sirjani, MD</i>	2:23 pm – 2:28 pm
Reconstruction of Parotid Defects – <i>Danny Enepekides, MD, FRCS</i>	2:28 am – 2:33 pm
Targeted Therapy for Salivary Gland Malignancies – <i>Alexander Colevas, MD</i>	2:33 pm – 2:38 pm
Case Presentation and Discussion – <i>All Panelists</i>	2:38 pm – 3:00 pm

Description

We will use concise lectures to cover high-yield topics in the management of salivary gland tumors, as well as case-based presentations to help provide practical guidance in patient care.

Learning Objectives

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

- Develop a surgical plan for the removal and reconstruction of parotid tumors.
- Employ appropriate imaging for staging and surveillance of salivary tumors.
- Integrate the use of systemic treatment for salivary gland malignancies.

2:10pm – 3:00pm

PROFFERED PAPERS 2: FUNCTION/QUALITY

Moderators: Natalya Chernichenko, MD, David Neskey, MD & Kristen B. Pytynia, MD, MPH

(S007) BUILDING A QUALITY AND VALUE REPORTING DATABASE FOR HEAD AND NECK ONCOLOGIC SURGERY

Vasu Divi, MD¹; Evan Graboyes²; Carol M Lewis³; John De Almeida⁴; Christine Gourin⁵; Amy Anne D Lassig⁶; Andres Bur⁷; Scharukh Jalisi⁸; Andrew C Birkland⁹; Trevor Hackman¹⁰; Carissa Thomas¹¹; John Cramer¹²; Ryan Li¹³; Andrew Larson¹⁴; Ameya Asarkar¹⁵; James Hamilton¹⁶; Paul Van der Sloot¹⁷; Ashley Mays¹⁸; Mohammad Akheel¹⁹; John Pang²⁰; Daniel Pinheiro²¹; Avinash Mantravadi²²; Nader Sadeghi²³; Terry Tsue⁷; ¹Stanford University; ²Medical University of South Carolina; ³MD Anderson; ⁴University of Toronto; ⁵Johns Hopkins University; ⁶University of Minnesota; ⁷University of Kansas Medical Center; ⁸Beth Israel Deaconess Medical Center; ⁹University of California Davis; ¹⁰University of North Carolina; ¹¹University of Alabama Medical Center; ¹²Wayne State University; ¹³Oregon Health Sciences University; ¹⁴Massachusetts Eye and Ear Infirmary; ¹⁵Louisiana State University Shreveport; ¹⁶Emory University; ¹⁷Swedish Medical Center Denver; ¹⁸Louisiana State University Baton Rouge; ¹⁹Head & Neck Cancer Hub, Indore; ²⁰University of Washington; ²¹Mercy Head & Neck Cancer; ²²Indiana University; ²³McGill University

(S008) SURGICAL MARGIN TRENDS FOLLOWING TOTAL LARYNGECTOMY: A HOSPITAL BASED STUDY

John Pang, MD¹; Farhoud Faraji, MD²; Emily Robinson¹; Harrison Cash, MD¹; Brittany Barber, MD¹; Neal Futran, MD¹; Zain Rizvi, MD¹; Jeffrey Houlton, MD¹; ¹University of Washington; ²University of California – San Diego

(S009) SUICIDE INCIDENCE AND RISK AMONG HEAD AND NECK CANCER SURVIVORS BASED ON URBAN VS. RURAL RESIDENCE STATUS

Nosayaba Osazuwa-Peters, BDS, PhD, MPH, CHES¹; Justin M Barnes, MD, MS²; Somtochi Okafor, MD¹; Derian B Taylor, BS³; Adnan S Hussaini, MD⁴; Eric Adjei Boakye, PhD⁵; Matthew C Simpson, MPH³; Evan M Graboyes, MD, MPH⁶; Trinitia Cannon, MD¹; Walter T Lee, MD, MS¹; ¹Duke University School of Medicine; ²Washington University in St. Louis; ³Saint Louis University School of Medicine; ⁴George Washington University; ⁵Southern Illinois University School of Medicine; ⁶Medical University of South Carolina

(S010) MANUAL THERAPY FOR FIBROSIS-RELATED LATE EFFECT DYSPHAGIA IN HEAD AND NECK CANCER SURVIVORS: PRELIMINARY RESULTS OF THE PILOT MANTLE TRIAL

Katherine A Hutcheson, PhD; Holly McMillan, MCD, LMP, CLT; Christine Porsche-Bockeloh, MS, CLT; Kiara Savage, MS, CLT; Sheila Buoy, MPH; C. D Fuller, MD, PhD; Stephen Y Lai, MD, PhD; Karin Woodman, MD; Carly A Barbon, PhD; Carla L Warneke, MS; The University of Texas MD Anderson Cancer Center

(S011) PERI-OPERATIVE PAIN, OPIOID USE, AND OPIOID PRESCRIPTIONS FOLLOWING INPATIENT HEAD AND NECK CANCER SURGERY

Danielle R Trakimas, MD, MSE; Rajarsi Mandal, MD; Marietta Tan, MD; Christine G Gourin, MD, MPH; Carole Fakhry, MD, MPH; Wayne M Koch, MD; Jonathon O Russell, MD; Ralph P Tufano, MD; David W Eisele, MD; Peter S Vosler, MD, PhD; Johns Hopkins Hospital

(S012) RISK FACTORS OF PATIENT-REPORTED FATIGUE AMONG LONG-TERM OROPHARYNGEAL CANCER SURVIVORS

Puja Aggarwal, PhD, BDS, MPH¹; Katherine A Hutcheson¹; Ryan P Goepfert¹; Adam S Garden¹; Frank E Mott¹; Clifton D Fuller¹; Stephen Y Lai¹; G. Brandon Gunn¹; Ehab Y Hanna¹; Erich M Sturgis²; ¹MD Anderson; ²Baylor College of Medicine

3:00pm – 3:30pm

BREAK

3:30pm – 4:20pm

CURRENT CONCEPTS IN SPEECH AND SWALLOW REHABILITATION

Moderators: Katherine Hutcheson, MD

Panelists: Heather Starmer, MA, Dinesh Chhetri, MD, Rosemary Martino, PhD

Schedule

Introduction	3:30 pm – 3:40 pm
Case Presentation 1 with Panel Discussion	3:40 pm – 4:00 pm
Case Presentation 2 with Panel Discussion	4:00 pm – 4:20 pm

Description

Interdisciplinary panelists will use a case based approach illustrating contemporary issues in speech and swallowing rehabilitation. Behavioral, medical, and surgical therapies will be discussed across diverse disease sites and treatment scenarios balancing considerations from diagnosis through long-term survivorship.

Learning Objectives

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

- Develop proactive speech and swallowing rehabilitation protocols for surgical and non-surgical treatment settings.
- Distinguish surgical management options based on dysphagia pathophysiology.
- Describe models of surveillance and management of late speech/swallowing sequelae in survivorship clinics.

3:30pm – 4:20pm

PROFFERED PAPERS 3: CANCER BIOLOGY/SKIN

Moderators: Devraj Basu, MD, PhD, FACS & Samir Khariwala, MD

(S013) EXOSOMES FROM PRIMARY TUMOR CULTURED FROM HPV+ AND HPV- OROPHARYNGEAL CANCER DEMONSTRATE DIFFERENTIAL EXPRESSION OF MIR INVOLVED IN EMT

Vivian F Wu, MD, MPH; David Dai, PhD; HFHS

(S014) 12-MONTH SMOKING CESSATION PROGRAM LOWERS SOLUBLE CD44 LEVELS IN A HIGH-RISK POPULATION

Drew H Smith, MD, MS¹; Shahm Raslan²; Isildinha M Reis, PhD¹; Huaping Liu¹; Jerri Halgovich¹; Claudia Gordon¹; Elizabeth J Franzmann, MD¹; ¹University of Miami Leonard Miller School of Medicine; ²Florida International University Herbert Wertheim College of Medicine

(S015) CRISPR-MEDIATED EPIGENETIC EDITING IDENTIFIES GENE REPRESSION PATTERNS IN HPV+ HEAD AND NECK CANCER AND MODULATES CELL GROWTH

Andrey Finegersh; Koji Ebisumoto; Sayed Sadat; Joseph Califano; UCSD

(S016) COMPARISON OF THE 40-GENE EXPRESSION PROFILE TEST WITH CLINICOPATHOLOGIC RISK FACTOR-BASED ASSESSMENT TO IMPROVE METASTASIS RISK ASSESSMENT IN CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK

Jason G Newman, MD¹; Ashley Wysong, MD²; Mary A Hall, PhD³; Christine N Bailey, MPH³; Kyle R Covington, PhD³; Sarah J Kurley, PhD³; Robert W Cook, PhD³; Chrysalyne D Schmuls, MD⁴; Sarah T Arron, MD, PhD⁵; ¹University of Pennsylvania Health System, Philadelphia, PA; ²University of Nebraska Medical Center, Omaha, NE; ³Castle Biosciences, Inc.; ⁴Brigham and Women's Hospital, Boston, MA; ⁵University of California San Francisco, San Francisco, CA

(S017) TARGETING CHEMOKINE (C-X-C MOTIF) LIGAND 17 (CXCL17) IN CUTANEOUS SQUAMOUS CELL CARCINOMA

Rafay Q Soleja, MD; Emily Zimmerman, BS; Manon Doucet; Gauri Shishodia, PhD; Tara Moore-Medlin, BS; Cherie-Ann O Nathan, MD; Alok R Khandelwal, PhD; LSU Health Sciences Center

(S018) INVASION RATIO: A POTENTIAL NOVEL PROGNOSTIC METRIC FOR RISK-STRATIFYING PATIENTS WITH CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK

Moran Amit, MD, PhD; Gleber N Frederico, PhD; The University of Texas MD Anderson Cancer Center

4:40pm – 5:30pm

VIDEO SESSION: EXPERTS IN SURGICAL TECHNIQUE – THYROID AND PARATHYROID

Moderators: Susan McCammon, MD

Speakers & Schedule

Introduction – Susan McCammon, MD	4:40 pm – 4:45 pm
Case 1 with Video – Lisa Orloff, MD, FACS, FACE	4:45 pm – 4:55 pm
Case 2 with Video – Maisie Shindo, MD	4:55 pm – 5:05 pm
Discussion and Commentary – Amy Chen, MD, MPH	5:05 pm – 5:20 pm
Question and Answer – All Panelists	5:20 pm – 5:30 pm

Description

This will be a case-based panel discussion. We will use video clips to illustrate clinical cases using novel image guidance or tissue localization techniques in thyroid and parathyroid surgery.

Learning Objectives

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

- Evaluate traditional and evolving techniques for tissue localization in thyroid and parathyroid surgery.
- Develop an algorithm for utilizing image guidance in central compartment neck dissection.
- Choose appropriate methods to enhance parathyroid identification and preservation during thyroid and parathyroid surgery.

4:40pm – 5:30pm

PROFFERED PAPERS 4: FUNCTION/QUALITY/RECONSTRUCTION

Moderators: Alexandra E. Kejner, MD, Rhorie Kerr, MD, & Giovana R. Thomas, MD

(S019) MODELING HOUSEHOLD ECONOMIC STRAIN ASSOCIATED WITH HEAD AND NECK CANCER TREATMENT: UTILIZING DATA FROM THE FEDERAL RESERVE BOARD SURVEY OF HOUSEHOLD ECONOMICS AND DECISION-MAKING

Suparna Shah, MD¹; Vivek Pandrangi, MD¹; Gabriela Lilly, MD¹; Matthew Herman, MSc²; Ryan Li, MD¹; ¹Oregon Health and Science University; ²ExodusPoint

(S020) LARYNGEAL CANCER TREATMENT DECISION MAKING: A CONJOINT ANALYSIS OF GENERAL PUBLIC ATTITUDES AND PRIORITIES

Montana Upton, MD¹; Neha Reddy, BA²; Mamdouh Aker, BA²; Kevin James, BA²; Marilene Wang, MD²; Abie H Mendelsohn, MD²; ¹Vanderbilt University Department of Otolaryngology – Head and Neck Surgery; ²UCLA Department of Head and Neck Surgery

(S021) PHARYNGO-ESOPHAGEAL COMPLICATIONS OF ANTERIOR CERVICAL SPINE SURGERY: A MULTI-CENTER REVIEW OF EVALUATION AND MANAGEMENT

Rula Mualla, MD¹; Matt Hanasono, MD²; Mauricio Moreno, MD³; Mark Wax, MD, FACS, FRCS¹; Larissa Sweeney, MD⁴; Andrew Holcomb⁵; Zhen Gooi, MD⁶; Andrew Huang, MD, FACS⁷; Ryan Jackson, MD⁸; Patrik Pipkorn, MD⁸; Jamie Ku, MD⁹; Jeremy Richmon, MD⁵; Ryan Li, MD, FACS¹; ¹OHSU; ²MD Anderson; ³University of Arkansas; ⁴LSU; ⁵Mass Eye and Ear; ⁶University of Chicago; ⁷Baylor; ⁸Washington University St. L.; ⁹Cleveland Clinic

(S022) INTRAOPERATIVE VASOPRESSORS IN HEAD AND NECK FREE FLAPS: EFFECT ON REOPERATION RATES

James R Gardner; Victoria Gau, MD; Patrick Page, MD; Deanne King, MD, PhD; Emre Vural, MD; Jumin Sunde, MD; Mauricio Moreno, MD; University of Arkansas for Medical Sciences

(S023) RATES OF BONE REABSORPTION AND NONUNION IN THE RECONSTRUCTION OF THE MANDIBLE USING OSTEOCUTANEOUS RADIAL FOREARM FREE FLAP.

Omar A Karadaghy, MD, MSCI¹; Benjamin , MD¹; Caroline Mussatto, BS²; Taylor Norris²; Nick Harn, MD, PhD¹; Andres Bur, MD¹; ¹University of Kansas Medical Center; ²University of Kansas School of Medicine

(S024) IMPACT OF PREOPERATIVE AND INTRAOPERATIVE MANAGEMENT ON OUTCOMES IN OSTEONECROSIS REQUIRING FREE FLAP RECONSTRUCTION

Erica E Mayland, MD¹; Brian P Swendseid, MD²; Joseph M Curry, MD²; Alexandra E Kejner, MD³; Carissa M Thomas, MD, PhD⁴; Joshua J Kain, MD⁴; Steve B Cannady, MD⁵; Kendall Tasche, MD⁵; Eben L Rosenthal, MD⁶; Michael DiLeo, MD⁷; Caitlin McMullin, MD⁸; Brett Miles, MD¹; Rocco M Ferrandino, MD¹; Juliana Rantisi, BS⁹; Mark K Wax, MD⁹; Larissa Sweeny, MD⁷; ¹Icahn School of Medicine at Mount Sinai; ²Thomas Jefferson University; ³University of Kentucky; ⁴University of Alabama at Birmingham; ⁵University of Pennsylvania Health System; ⁶Stanford University; ⁷Louisiana State University Health Science Center – New Orleans; ⁸H. Lee Moffitt Cancer Center & Research Institute; ⁹Oregon Health and Science University School of Medicine

5:30pm – 6:30pm

INDUSTRY SYMPOSIA – STRYKER

Evolution of technology in mandible reconstruction

Speaker: *Dr. Keith Blackwell*

This event is is not planned or accredited for CME by the AHNS.

[Register Here](#)

6:30pm – 7:30pm

INDUSTRY SYMPOSIA – COOK MEDICAL

Panel Discussion: Technological monitoring of free flaps: applications and outcomes

Speakers: *Dr. Mark Wax, Dr. Arjun Joshi, Dr. Samip Patel*

This event is is not planned or accredited for CME by the AHNS.

[Register Here](#)

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SATURDAY, JULY 24, 2021

All Times Listed in Central Time Zone

7:00 – 8:30 am

MILTON J. DANCE SYMPOSIUM: SURVIVORSHIP AND LATE EFFECTS

Moderators: *Michael Moore, MD*

Panelists: *Heather Starmer, MA, Bruce Neustadter, Carolyn Dee, Marci Nilsen, PhD, MSN, RN, Joel Epstein, DMD, MSD Rosemary Martino, PhD*

Schedule

Welcome and Introduction – <i>Michael Moore, MD</i>	7:00 am – 7:07 am
Oral Care in Head and Neck Survivorship – <i>Joel Epstein, DMD, MSD</i>	7:07 am – 7:17 am
Improving Swallowing and Quality of Life in Head and Neck Cancer Patients – <i>Rosemary Martino, PhD</i>	7:17 am – 7:30 am
Roundtable Case-Based Discussion – <i>All Panelists</i>	7:30 am – 8:25 am
Summary and Wrap Up – <i>Michael Moore, MD</i>	8:25 am – 8:30 am

Description

This session will outline what is currently known about the goals and relative priorities of head and neck cancer patients who have underwent treatment. Specific cases with real head and neck cancer survivors will be used to highlight common treatment-related side effects and approaches that can be used to help reduce short and long term toxicity.

Learning Objectives

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

- Recognize common treatment-related side effects that impact head and neck cancer survivors.
- Observe the relative priority survivors place on head and neck cancer cure compared to side effects from treatment.
- Outline techniques that can be used to mitigate toxicity from head and neck cancer therapy.

8:45am – 9:30am



CHRISTOPHER O'BRIEN LECTURE

Suzanne Topalian, MD

Dr. Topalian is the Bloomberg~Kimmel Professor of Cancer Immunotherapy, and a Professor of Surgery and Oncology at the Johns Hopkins University School of Medicine. She is the director of the Melanoma Program in the Sidney Kimmel Comprehensive Cancer Center, and is an associate director of the Bloomberg~Kimmel Institute for Cancer Immunotherapy at Johns Hopkins. Dr. Topalian is a physician-scientist whose studies of anti-tumor immunity have been foundational in developing cancer immunotherapy. She received her medical and scientific training at Tufts University School of Medicine, Thomas Jefferson University Hospital, and the National Cancer Institute. She joined the Johns Hopkins Kimmel Cancer Center in 2006 as the inaugural director of its Melanoma Program. Her current research focuses on manipulating "immune checkpoints" such as PD-1 in cancer therapy, discovering biomarkers predicting response and resistance, and developing effective treatment combinations. Dr. Topalian's work is widely recognized: she was named one of Nature's 10 in 2014, and received the Karnofsky Award from ASCO in 2015, the Taubman Prize in 2016, and the NCI's Rosalind E. Franklin Award in 2018, for landmark discoveries in cancer immunotherapy. Dr. Topalian was elected to the National Academy of Medicine in 2017. Her work has opened new avenues of scientific investigation and has established immunotherapy as a pillar of oncology.

9:45am – 10:30am



CLOSING COMMENTS (NO CME)

Jim Kelly

Moderated by Cherie Ann Nathan, MD

Jim Kelly is a three-time head and neck cancer survivor and a Pro Football Hall of Famer. He led his team to six AFC East Championships and four consecutive championship appearances and holds the all-time professional football record for most yards gained per completion in a single game. Jim founded the Hunter's Hope Foundation in 1997 following his son's Krabbe disease diagnosis, which took his life in 2005. Jim was first diagnosed with head and neck squamous cell carcinoma in 2013 and has been a Your Cancer Story spokesperson since 2017.

10:30am – 11:00am

BREAK

11:00am – 12:20pm

HPV: EPIDEMIOLOGY, BEHAVIOR, PREVENTION AND CLINICAL IMPLICATIONS

Moderators: Carole Fakhry, MD, MPH

Speakers & Schedule

Epidemiology of HPV-related Cancer – <i>Beth Beadle, MD</i>	11:00 am – 11:20 am
Primary and Secondary Prevention of HPV-associated Oropharynx Cancer – <i>Joseph Califano, MD, FACS</i>	11:20 am – 11:40 am
Clinical Implications of HPV-positive Tumor Status: Treatment, Trials and Common Questions – <i>Robert Haddad, MD</i>	11:40 am – 12:00 pm
Question and Answer – <i>All Panelists</i>	12:00 pm – 12:20 pm

Description

This session will review updates in the epidemiology of HPV, HPV-related cancers, prevention strategies and their clinical implications.

Learning Objectives

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

- Discuss the nuances in HPV epidemiology.
- Convey the unknowns and limitations of prevention in the current landscape.
- Explain the prognostic implications of HPV, trial options and clarify behavioral questions

INNOVATIONS IN HEAD AND NECK CANCER TREATMENT – IMMUNOTHERAPY TO NEW ROBOTICS (THYROID ABLATION, NEOADJUVANT IMMUNOTHERAPY, IMAGING, ETC)

Moderators: *Nishant Agrawal, MD, FACS*

Speakers & Schedule

Imaging Innovation for Intraoperative Detection of Cancer – <i>Max Witjes, MD, DDS, PhD</i>	11:00 am – 11:20 am
Novel Interventions for Thyroid Cancer – <i>Ralph Tufano, MD</i>	11:20 am – 11:40 am
Novel Diagnostic and Therapeutic Options for Head and Neck Cancer – <i>Nishant Agrawal, MD, FACS</i>	11:40 am – 12:00 pm
Question and Answer – <i>All Panelists</i>	12:00 pm – 12:20 pm

Description

We will discuss innovations in intra-operative imaging, novel interventions for thyroid cancer, robotics for transoral surgery, and novel treatments for head and neck cancer.

Learning Objectives

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

- Understand the impact of high definition microendoscopy, autofluorescence, contrast agents, and radiolabeled agents for detection of cancer during surgical procedures.
- Understand novel approaches in the management of differentiated thyroid cancer.
- Understand the limitations of current robotic technology and explore future innovations in robotic technology.

12:20pm – 1:00pm

BREAK

1:00pm – 1:50pm

HOW WOULD YOU RECONSTRUCT THIS DEFECT? CONTROVERSIES REGIONAL & FREE FLAP OPTIONS

Moderators: *Urjeet Patel, MD, FACS*

Speakers & Schedule

Total Glossectomy Defects – <i>Derrick Lin, MD</i>	1:00 pm – 1:06 pm
Total Glossectomy Case Discussion – <i>Urjeet Patel, MD, FACS</i>	1:06 pm – 1:13 pm
Lateral Mandible Defects +/- Condyles – <i>Peter Dziegielewski, MD, FRCSC</i>	1:13 pm – 1:19 pm
Lateral Mandible Case Discussion – <i>Urjeet Patel, MD, FACS</i>	1:19 pm – 1:26 pm
Lateral Skull Base Defects – <i>Matthew Spector, MD</i>	1:26 pm – 1:32 pm
Lateral Skull Base Case Discussion – <i>Urjeet Patel, MD, FACS</i>	1:32 pm – 1:39 pm
Question and Answer – <i>All Panelists</i>	1:39 pm – 1:50 pm

Description

We will use a brief presentation followed by case presentation and discussion format to discuss options and controversies surrounding regional and free flap reconstruction. The three specific defects that will be discussed are total glossectomy, lateral mandible including condyle, and lateral skull base.

Learning Objectives

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

- Recognize the functional and cosmetic implications of these 3 defects.
- Distinguish advantages and disadvantages of various regional and free flap reconstructive options for these 3 defects.
- Formulate optimal and patient-specific treatment plans for patients with such defects.

PROFFERED PAPERS 5: ENDOCRINE/SALIVARY

Moderators: *Seungwon Kim, MD, Julia Noel, BS, MD, David Charles Shonka, MD*

(S025) PREVALENCE AND RISK FACTORS FOR MULTIFOCALITY IN PEDIATRIC THYROID CANCER: A MULTICENTER STUDY

*Grace L Banik, MD*¹; *Maisie L Shindo, MD*²; *Kristen L Kraimer, MD*²; *Katherine Manzione*³; *Abhita Reddy, MD*⁴; *Ken Kazahaya, MD, MBA*⁵; *Andrew J Bauer, MD*⁶; *Jeffrey C Rastatter, MD*⁴; *Mark E Zafereo, MD*⁷; *Steven G Waguespack, MD*⁸; *Daniel C Chelius, Jr, MD*⁹; *Lourdes Quintanilla-Dieck, MD*²; ¹Division of Pediatric Otolaryngology, Children's Hospital of Philadelphia; ²Department of Otolaryngology-Head and Neck Surgery, Oregon Health and Science University; ³Department of Statistics, Colorado State University; ⁴Division of Pediatric Otolaryngology-Head and Neck Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago; ⁵Division of Pediatric Otolaryngology, Children's Hospital of Philadelphia, Department of Otorhinolaryngology-Head and Neck Surgery, University of Pennsylvania; ⁶Division of Endocrinology and Diabetes, Children's Hospital of Philadelphia; ⁷Department of Head and Neck Surgery, The University of Texas MD Anderson Cancer Center; ⁸Department of Endocrine Neoplasia and Hormonal Disorders, The University of Texas MD Anderson Cancer Center; ⁹Division of Otolaryngology-Head and Neck Surgery, Texas Children's Hospital

(S026) EVALUATION OF INTRAOPERATIVE PARATHYROID HORMONE LEVELS AND EFFECTS ON OPERATIVE SUCCESS

Brody King, BS¹; Hilary C McCrary, MD, MPH²; Vanessa Torrecillas, MD²; Devaprabu Abraham, MD³; Jason P Hunt, MD²; ¹University of Utah School of Medicine; ²University of Utah School of Medicine – Division of Otolaryngology – Head and Neck Surgery; ³University of Utah School of Medicine, Department of Internal Medicine

(S027) LARYNGEAL ADDUCTOR REFLEX: A BETTER MODALITY OF NERVE MONITORING DURING CENTRAL NECK SURGERY

Mohamed A Aboueisha, MD; Mahmoud Omar, MD; Abdallah S Attia, MD; Deena S Hadedeya, MD; Mohamed Shama, MD, MSc, MRCS, EBSQ; Emad Kandil, MD, MBA, FACS, FACE; Tulane university

(S028) PAROTID GLAND MALIGNANCY: DISCREPANCIES IN STAGING AND OUTCOMES BY SITE OF FACIAL NERVE INVOLVEMENT

Bryan B Hair, BS; Khashayar Arianpour, MD; Shlomo A Koyfman, MD; Brian B Burkey, MD; Eric D Lamarre, MD; Cleveland Clinic Foundation

(S029) ANTI-TUMORIGENIC EFFECTS OF CWP232291, A FIRST-IN-CLASS INHIBITOR OF BETA-CATENIN/WNT PATHWAY IN ADENOID CYSTIC CARCINOMA.

Joseph O Humtsoe¹; Hyun-su Kim¹; Leilani Jones¹; Bhumsuk Keam²; Patrick Ha¹; ¹Department of Otolaryngology- Head and Neck Surgery, Helen Diller Family Comprehensive Cancer Center, University of California San Francisco, San Francisco, CA.; ²Department of Internal Medicine, Seoul National University, Seoul, Korea.

(S030) EFFICACY AND SAFETY OF LAROTRECTINIB IN PATIENTS WITH ADVANCED TRK FUSION SALIVARY GLAND CANCER

Xiuning Le¹; Christina Baik²; Jessica Bauman³; Marcia S Brose⁴; Jill Gilbert⁵; Juneko E Grilley-Olson⁶; Jennifer M Johnson⁷; Ray McDermott⁸; Tejas Patil⁹; Luis E Raez¹⁰; Makoto Tahara¹¹; John Reeves¹²; Laura Dima¹²; Nicoletta Brega¹²; Alexander Drilon¹³; David S Hong¹; ¹University of Texas MD Anderson Cancer Center, Houston, TX, USA; ²University of Washington/Seattle Cancer Care Alliance, Seattle, WA, USA; ³Department of Hematology/Oncology at Fox Chase Cancer Center, Philadelphia, PA, USA; ⁴Abramson Cancer Center of the University of Pennsylvania School of Medicine, Philadelphia, PA, USA; ⁵Vanderbilt University, Nashville, TN, USA; ⁶University of North Carolina Lineberger Cancer Center, Chapel Hill, NC, USA; ⁷Thomas Jefferson University and Sidney Kimmel Cancer Center, Philadelphia, PA, USA; ⁸St. Vincent's University Hospital and Cancer Trials Ireland, Dublin, Ireland; ⁹Department of Medicine, Division of Medical Oncology, University of Colorado, Denver, Aurora, CO, USA; ¹⁰Memorial Cancer Institute, Florida International University, Miami, FL, USA; ¹¹National Cancer Center Hospital East, Kashiwa, Japan; ¹²Bayer HealthCare Pharmaceuticals, Inc., Whippany, NJ, USA; ¹³Memorial Sloan Kettering Cancer Center, New York, NY, USA

2:10pm – 3:00pm

MANAGEMENT OF LATE STAGE ORAL CAVITY TUMORS

Moderators: Jonathan Irish, MD, MSc, FRCSC, FACS

Panelists: Michael Moore, MD, FACS, Eric Moore, MD, FACS, Barry Wenig, MD

Schedule

Case Presentation – Jonathan Irish, MD, MSc, FRCSC, FACS	2:10 pm – 2:12 pm
Case Discussion – All Panelists	2:12 pm – 2:22 pm
Case Presentation – Jonathan Irish, MD, MSc, FRCSC, FACS	2:22 pm – 2:24 pm
Case Discussion – All Panelists	2:24 pm – 2:34 pm
Case Presentation – Jonathan Irish, MD, MSc, FRCSC, FACS	2:34 pm – 2:36 pm
Case Discussion – All Panelists	2:36 pm – 2:46 pm
Case Presentation – Jonathan Irish, MD, MSc, FRCSC, FACS	2:46 pm – 2:48 pm
Case Discussion – All Panelists	2:48 pm – 3:00 pm

Description

We will use a case management format to illustrate the factors that must be considered in the management of late stage oral cancers. The case management presentation will demonstrate the decision making that must be considered in the following scenarios: 1) the young patient with advanced disease, 2) the frail elderly patient, 3) the unresectable patient and 4) the "vulnerable" patient with little social support. The case management format will include factors that need to be considered in tumor ablation, reconstruction and also incorporate multidisciplinary care options that need to be incorporated into the management of the advanced oral cancer patient.

Learning Objectives

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

- Implement an evidence-based approach to the management of advanced oral cancer in a young healthy patient.
- Recognize how the treatment of advanced oral cancer is modified in 1) the elderly and frail patient 2) patients with unresectable disease and 3) patient with poor social supports.
- Convey the importance of multidisciplinary discussion and approaches to the ablative and reconstructive management of the patient with advanced oral cancer.

PROFFERED PAPERS 6: EDUCATION/OROPHARYNX

Moderators: *Babak Givi, MD, Sarah L. Rohde, Tammara Watts, MD, PhD*

(S031) THE EFFECTS OF A HEAD AND NECK MULTIDISCIPLINARY CLINIC ON PATIENT SATISFACTION

Ricardo Aulet, MD, MBA¹; Trad Wadsworth, MD, MBA²; ¹UMass Memorial Medical Center; ²Moffitt Cancer Center

(S032) TRENDS IN THE PRESENCE OF WOMEN SPEAKERS AT THE AMERICAN HEAD & NECK SOCIETY MEETINGS FROM 2007-2019

Marianna Hernandez, BA; Amelia Power, MS; Mekibib Altaye, PhD; Chad A Zender, MD; Alice L. Tang, MD; University of Cincinnati College of Medicine

(S033) TIME-TO-TREATMENT IN HEAD AND NECK CANCER IS ASSOCIATED WITH INCOME, RACE, AND SEX

Douglas R Farquhar; Wesley Stepp; Siddharth Sheth, MD, MPH; Jeffery Blumberg, MD; Catherine Lumley, MD; Samip Patel, MD; Trevor Hackman, MD; Adam Zanation; Andrew Olshan, PhD; University of North Carolina

(S034) COST-EFFECTIVENESS OF CIRCULATING TUMOR HPV DNA FOR THE SURVEILLANCE OF CANCER RECURRENCE IN HPV-ASSOCIATED OROPHARYNGEAL CANCER

Matthew C Ward, MD¹; Gary V Walker²; Benjamin Moeller, MD, PhD¹; Shlomo A Koyfman³; Chirag Shah³; ¹Levine Cancer Institute, Atrium Health; ²Banner MD Anderson; ³Tauisig Cancer Institute, Cleveland Clinic

(S035) VALIDATION OF NRG ONCOLOGY'S PROGNOSTIC NOMOGRAMS FOR OROPHARYNGEAL CANCER IN THE VETERANS AFFAIRS DATABASE

Tyler J Nelson, BS¹; Abhishek Kumar, MD¹; Jingjing Zou, PhD²; Caroline A Thompson, PhD³; Casey Williamson, MD¹; Prangrawee Sangchan, MD⁴; Lucas Vitzthum, MD⁵; Andrew Sharabi, MD¹; James Murphy, MD, MPH¹; Carole Fakhry, MD⁶; Loren K Mell, MD¹; ¹Department of Radiation Medicine and Applied Sciences, University of California San Diego, La Jolla, California; ²Department of Family Medicine and Public Health and Department of Mathematics, University of California San Diego, La Jolla, California; ³Division of Epidemiology, San Diego State University School of Public Health, San Diego, California; ⁴Division of Radiation Oncology, Faculty of Medicine, Thammasat University, Pathum Thani, Thailand; ⁵Department of Radiation Oncology, Stanford University; ⁶Department of Otolaryngology, Johns Hopkins University

(S036) ADJUVANT RADIATION VS CHEMORADIATION IN HPV+ OROPHARYNGEAL SQUAMOUS CELL CARCINOMA WITH EXTRANODAL EXTENSION

Samer T Elsamna, BA; Ghayoor Mir, DO; Dylan F Roden, MD, MPH; Rutgers New Jersey Medical School, Department of Otolaryngology—Head & Neck Surgery

3:00pm – 3:30pm

BREAK

3:30pm – 4:20pm

NPC AND SKULL BASE SURGERY: COMPLEX CASE DISCUSSION

Moderators: Ivan El-Sayed, MD

Panelists: Jack Phan, Christine Glastonbury, Nabil Saba, MD, Shirley Su, MBBS, Marc Cohen, MD, MPH

Schedule

Case Presentation – Ivan El-Sayed, MD	3:30 pm – 3:33 pm
Case Discussion – All Panelists	3:33 pm – 3:45 pm
Case Presentation – Ivan El-Sayed, MD	3:45 pm – 3:48 pm
Case Discussion – All Panelists	3:48 pm – 4:00 pm
Case Presentation – Ivan El-Sayed, MD	4:00 pm – 4:03 pm
Case Discussion – All Panelists	4:03 pm – 4:20 pm

Description

Challenging cases of skull base malignancy will be presented to an expert panel for discussion. Topics will include diagnostic work up, advances in treatment strategies, the role of organ preservation and immunotherapy, and recognition of a growing number of pathologic variants.

Learning Objectives

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

- Recognize several key pathologic variants of sinonasal carcinoma and their impact on treatment options.
- Appraise tumor invasion and extent of disease into the orbit and skull base.
- Discuss surgical, radiation, and systemic treatment options for patients with skull base cancer.

PROFFERED PAPERS 7: ORAL CAVITY PLUS

Moderators: Ameya Ajit Asarkar, Trinitia Cannon, MD, & Tamer Ghanem, MD, PhD

(S037) ORAL CAVITY SQUAMOUS CELL CARCINOMA TUMOR CENTER AND LEADING EDGE HAVE A TEMPORALLY STABLE, UNIQUE MICROBIOME COMPARED TO CONTRALATERAL NORMAL SITES

Carissa M Thomas, MD, PhD¹; Alya Heirali, PhD²; Hedyeh Ziai, MD³; Maria Kulikova, BS, DPT²; Carolyn Barsoum, BS, MA³; Feben Alemu³; Dale Brown, MB³; John R de Almeida, MD, MSc³; David Goldstein, MD, MSc³; Patrick Gullane, MB³; Ralph Gilbert, MD³; Jonathan Irish, MD, MSc³; Douglas Chepeha, MD, MSCPH³; Bryan Coburn, MD, PhD²; ¹University of Alabama at Birmingham; ²Toronto General Research Institute; ³University Health Network, University of Toronto

(S038) IDENTIFICATION OF OCCULT METASTATIC DISEASE VIA LYMPHOSCINTIGRAPHY GUIDED NECK DISSECTION (LSG-ND) IN N0 ORAL SQUAMOUS CELL CARCINOMA

Lisa B Earnest-Noble, MD, PhD; Rachel Lipsky; William I Kuhel, MD; David I Kutler, MD; Weill Cornell Medicine

(S040) THE SUBSTANTIAL OMISSION OF INDICATED POST-OPERATIVE RADIOTHERAPY IN ADVANCED STAGE ORAL CANCER IN THE UNITED STATES: A CALL TO ACTION

Musaddiq Awan, MD¹; Ken Akakpo, MD¹; Becky Massey, MD¹; Michael Stadler, MD¹; Bruce Campbell, MD¹; Monica Shukla, MD¹; Christopher Schultz, MD¹; Aditya Shreenivas, MD¹; Stuart Wong, MD¹; Evan Graboyes, MD, MPH²; Patrik Pipkorn, MD, MSCI³; Sidharth V Puram, MD, PhD³; Joseph Zenga¹; ¹Medical College of Wisconsin; ²Medical University Of South Carolina; ³Washington University School of Medicine

(S041) COMPARISON OF 89ZR-PANITUMUMAB PET/CT AND FDG-PET/CT FOR PREOPERATIVE IDENTIFICATION OF METASTATIC HEAD AND NECK SQUAMOUS CELL CARCINOMA

Yu-Jin Lee, MD; Nynke S van den Berg, PhD; Marisa Hom, PhD; Heying Duan; Carmen Azevedo; Valentina Ferri; Brock Martin, MD; Roan Raymundo; Jessa Castillo; Bin Shen, PhD; Michael J Kaplan, MD; Alexander D Colevas, MD; Frederick Chin, PhD; Fred Baik, MD; Andrei Iagaru, MD; Eben L Rosenthal; Stanford University

(S042) BENEFIT OF ADJUVANT CHEMOTHERAPY IN SURGICALLY RESECTED, NEGATIVE MARGIN HEAD AND NECK CANCER WITH PATHOLOGICALLY CONFIRMED EXTRANODAL EXTENSION

Ghayoor Mir, DO; Gregory L Barinsky, PharmD; Roman Povolotskiy, MD; Soly Baredes, MD; Boris Paskhover, MD; Richard C Park, MD; Dylan F Roden, MD, MPH; Rutgers New Jersey Medical School

4:40pm – 5:30pm

VIDEO SESSION: EXPERTS IN SURGICAL TECHNIQUE – SALIVARY AND RECONSTRUCTION

Moderators: *David Eisele, MD*

Speakers & Schedule

Complex Parotid Neoplasm Case Presentation – <i>David Eisele, MD</i>	4:40 pm – 5:00 pm
Complex Parotid Neoplasm Case Presentation – <i>M. Boyd Gillespie, MD, MS</i>	5:00 pm – 5:15 pm
Reconstruction of Complex Parotid Defect – <i>Ralph Gilbert, MD</i>	5:15 pm – 5:30 pm

Description

We will use a case management format to discuss the management of complex parotid neoplasms . Surgical approaches and reconstruction techniques will be presented.

Learning Objectives

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

- Assess the patient with a complex parotid neoplasm.
- Understand the surgical complexities of surgical resection of recurrent parotid neoplasms.
- Know the options for surgical reconstruction following radical parotidectomy.

PROFFERED PAPERS 8: OROPHARYNX

Moderators: *Thomas Julian Ow, MD, Eleni M. Rettig, MD, & Shaum S. Sridharan*

(S043) TRANSORAL ROBOTIC SURGERY (TORS) VERSUS PRIMARY RADIOTHERAPY IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA: AN UPDATED COMPARATIVE SURVIVAL ANALYSIS USING A LARGE POPULATION DATABASE.

Mitchell Flagg; Bharat Panuganti, MD; Rohith Voora, BS; Joseph Califano, MD; Ryan Orosco, MD; UCSD School of Medicine

(S044) EXTRANODAL EXTENSION ON PRESENTATION, TREATMENT, AND OUTCOMES OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Neel Sangal, MD; Justin Shinn; Leila Mady, MD, MPH, PHD; David Shimunov, BA; Karthik Rajasekaran; Steven Cannady, MD; Ara Chalian, MD; Christopher H Rassekh, MD; Devraj Basu, MD; Jason Newman, MD; Gregory Weinstein, MD; Robert Brody, MD; Hospital of the University of Pennsylvania

(S045) OUTCOMES OF POSTSURGICAL P16+ OROPHARYNGEAL CARCINOMA WITH HIGH RISK FEATURES TREATED WITH ADJUVANT RADIATION VERSUS ADJUVANT CHEMORADIATION

Jordan B Fenlon, MD; Ryan J Hutten, MD; Chris R Weil, MD; Shane Lloyd, MD; Ying J Hitchcock, MD; Huntsman Cancer Institute – University of Utah Health

(S046) SUPRAHYOID AND LATERAL PHARYNGOTOMY FOR MANAGEMENT OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA: A SYSTEMATIC REVIEW AND THE MAYO CLINIC EXPERIENCE.

Joseph N Badaoui, MD; Linda X Yin, MD; Adam Sauer, MD; Christine M Lohse, MS; Daniel L Price, MD; Jan L Kasperbauer, MD; Eric J Moore, MD; Daniel B Noel, MD; Kerry D Olsen, MD; Kathryn M Van Abel, MD; Mayo Clinic, Rochester, Minnesota

(S047) THE EFFECT OF SARCOPENIA ON ONCOLOGIC OUTCOMES OF PRIMARY SURGERY OR DEFINITIVE RADIATION THERAPY IN LOCALIZED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Brennan Olson; Jared Edwards; Lucas Stone; Angie Jiang; Xinxia Zhu; John Holland, MD; Ryan Li, MD; Peter Andersen, MD; Stephanie Krasnow, PhD; Daniel Marks, MD, PhD; Daniel Clayburgh, MD, PhD; OHSU

(S048) THE ROLE OF ADJUVANT CHEMOTHERAPY IN HIGH RISK HPV-POSITIVE OROPHARYNGEAL CANCER

Clifford Chang¹; Michelle Chen²; Steven B Chinn²; ¹NYU School of Medicine; ²University of Michigan – Department of Otolaryngology – Head and Neck Surgery

5:30pm – 6:30pm

INDUSTRY SYMPOSIA – MERCK

Gardasil9: HPV and Head and Neck Cancer: Do you Know the Facts?

Speaker: *Marietta Vazquez, M.D.*

This event is is not planned or accredited for CME by the AHNS.

[Register Here](#)

7:00pm – 8:00pm

PRESIDENT'S RECEPTION HAPPY HOUR

I'm Interested in a Head and Neck Fellowship and I'm a Fellow, How Do I Find a Job?

Co-Hosts: Sarah Rohde, MD; Amy Hessel, MD; Maie St John, MD, PhD; Ara Chalian, MD; Don Weed, MD; Bill Lydiatt, MD

Open Forum: The Best Worst Experience (Helicopter Flaps, Dropped Grafts and Other Unmentionables...) AND Operating Room Quotes I Will Never Forget

Co-Hosts: Eben Rosenthal, MD; Ashok Shaha, MD; Mark Wax, MD; Ben Greene, MD; Lisa Shnayder, MD, FACS

How Do I Start a Clinical Trial?

Co-Hosts: Bob Ferris, MD, PhD; Stephen Lai, MD, PhD, FACS; Erich Sturgis, MD; Quynh Le, MD; Ravindra Uppaluri, MD, PhD

Drinks with the AHNS Leaders

Co-Hosts: Cherie Ann Nathan, MD, FACS; Brian Burkey, MD, MEd, FACS; Bert O'Malley, MD; Susan McCammon, MD

PROGRAM

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SUNDAY, JULY 25, 2021

All Times Listed in Central Time Zone

8:00am – 12:45pm

ADVANCE PRACTICE PROVIDER SYMPOSIUM

Moderators: *Ellie Maghami, MD and Deepa Shah, PA-C*

Schedule & Faculty

Introduction – <i>Ellie Maghami, MD and Deepa Shah, PA-C</i>	8:00am – 8:15am
Preparing Patients with Advanced Stage Head and Neck Cancer for Surgery – <i>Trina Sheedy, PA</i>	8:15am – 8:45am
Managing Adverse Events following Head and Neck Surgery: A Review in Post-Operative Care for the Advanced Practice Provider – <i>Deepa Shah, PA-C, Brittini Carnes, Lily Lam and Monica Kurzymski</i>	8:45am – 9:25am
Communication Skills for Engaging with Difficult Patient Behaviors – <i>Laura Kirk, PA</i>	9:25am – 9:55am
Swallow Surveillance: Beyond the First Year – <i>Cara Evans, MS, CCC-SLP</i>	9:55am – 10:25am
Break	10:25am – 10:45am
Evidence and Dogma: Pretreatment Imaging for Head and Neck Cancer Patients – <i>Hilda Stambuk, MD</i>	10:45am – 11:15am
Survivorship Care in Head and Neck Cancer – <i>Jonas Johnson, MD</i>	11:15am – 11:25am
Survivorship Care in Head and Neck Cancer – <i>Marci Lee Nilsen, PhD, MSN, RN</i>	11:25am – 11:35am
Survivorship Care in Head and Neck Cancer – <i>Casey A. Fazer-Posorske, PA-C</i>	11:35am – 11:45am
Survivorship Care in Head and Neck Cancer – <i>Brittini Carnes</i>	11:15am – 12:15pm
Question and Answer – <i>All Panelists</i>	11:45am – 11:55am
Reception	11:55am – 12:15pm

Description

The inaugural APP program is the society's tribute to the fundamental role APPs have within the multidisciplinary care team and the contributions of allied health personnel in general to the betterment of head and neck cancer care. This year's meeting focuses on survivorship through quality and innovation and the APP program will aim to address this theme. Come join us in Chicago, meet colleagues, expand your knowledge, identify opportunities for professional advancement and collaboration.

Learning Objectives

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

- Run a survivorship clinic.
- Effectively communicate.
- Manage adverse effects after head and neck surgery.

8:30am – 11:30am

CURRENT CONCEPTS IN SPEECH AND SWALLOW MANAGEMENT IN HEAD AND NECK CANCER

Moderators: Nishant Agrawal, MD, FACS, Katherine Hutcheson, MD, Dinesh Chhetri, MD, and Rosemary Martino, PhD

Schedule & Faculty

Rehabilitation of Articulation and Swallowing – Nishant Agrawal, MD, FACS	8:30am -9:15am
Functional Considerations of Surgical Management – Ryan Li	8:30am – 8:40am
Postsurgical Oral Rehabilitation: Comparing Therapy Models and Integration of Biofeedback – Carly Barbon, PhD	8:40am – 8:50am
Oral Reconstruction – Jamie Ku, MD, BS	8:50am – 9:00am
Question and Answer – All Panelists	9:00am – 9:15am
TORS/TOLS for Oropharynx Cancer – Moderated by Katherine Hutcheson, MD	9:15am – 10:00am
Introduction – Katherine Hutcheson, MD	9:15am – 9:20am
ORATOR – Anthony Nichols, MD, BSc, FACS	9:20am – 9:28am
TOLS (v TORS) functional implications and PATHOS – Bruce Haughey, MBChB FACS FRACS	9:28am – 9:36am
Patient Selection for Optimal post-TORS Function – Neil Gross, MD, FACS	9:36am – 9:44am
Question and Answer – All Panelists	9:44am – 10:00am
Larynx: Optimizing Post-Laryngectomy Function – Case Based Recon, Patient Selection, Prosthetics/TEP Procedures – Dinesh Chhetri, MD	10:00am – 10:45am
Case Presentation – Daniel Deschler, MD, FACS	10:00am – 10:45am
Case Presentation – Mauricio Moreno, MD	10:00am – 10:07am
Case Presentation – Barbara Ebersole, BFA, MA, CCC-SLP	10:07am – 10:14am
Case Presentation – Heather Starmer, MA	10:14am – 10:21am
Case Discussion and Question and Answer – All Panelists	10:21am – 10:28am
Advances in Dysphagia Management – Blitz of Innovations on the Horizon? – Rosemary Martino, PhD	10:28am – 10:45am
Apps – Heather Starmer, MA	10:45am – 10:53am
Manometry – Timothy Mcculloch, MD	10:53am – 11:01am
Surgical Innovations – Brandon Baird, MD	11:01am – 11:09am
Question and Answer – All Panelists	11:09am – 11:30am

Description

This course will cover current concepts in speech and swallow management in head and neck cancer including:

- Oral cavity cancer, how its treatment can adversely affect speech/articulation and swallowing and reconstructive and rehabilitation strategies to restore function.
- Functional outcomes used at the forefront of clinical decision making and management of oropharyngeal cancer to discuss patient selection, functional outcomes, and speech pathology pathways after transoral surgery.
- The difficulties of management of voice prosthesis and optimal voicing through case presentations and group discussion.
- An introduction to four evidence-based innovations targeting dysphagia that are on the horizon for HNC survivors. Each innovation will be described and briefly demonstrated by the investigator leading its development.

Learning Objectives:

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

- Recognize reconstructive and rehabilitation strategies to restore function.
- Understand patient selection, functional outcomes, and speech pathology pathways after transoral surgery for oropharyngeal cancer.
- Address management of voice prosthesis and optimal voicing.
- Understand innovations targeting dysphagia that are on the horizon for HNC survivors.

11:30am – 11:45am

KARL STORZ

FEES Demonstration

Speaker: Dr. Dinesh Chhetri

This event is is not planned or accredited for CME by the AHNS.

Registration info TBD

11:30am – 12:30pm

INDUSTRY SYMPOSIA – NAVERIS NavDx®

Detection of HPV-Driven Oropharyngeal Squamous Cell Carcinoma: Clinical Evidence of an Innovative Blood Test and Implications for Multidisciplinary Management

Speakers: Dr. Eric Genden, ENT Surgeon at Mount Sinai Hospital and Dr. Glenn Hanna, Oncologist at Dana-Farber Cancer Institute

This event is is not planned or accredited for CME by the AHNS.

[Register Here](#)

11:30am – 12:30pm

INDUSTRY SYMPOSIA – MERCK

KEYTRUDA-HEAD AND NECK Personalizing Your Approach With First-Line Treatment Options in R/M HNSCC

Speakers: Kelly Pendergrass, M.D.

This event is is not planned or accredited for CME by the AHNS.

[Register Here](#)

12:30pm – 3:40pm

INTERNATIONAL PRIMER COURSE ON ENDOCRINE SURGERY

Moderators: Joseph Scharpf, MD, FACS, Brendan Stack, MD, Gregory Randolph, MD, and David Terris, MD, FACS, FACE

Panelists: Marika Russell, MD, David Shonka, MD, Ayaka Iwata, MD, Michael Singer, Maisie Shindo, MD, Joseph Scharpf, MD, FACS, David Terris, MD, FACS, FACE, Alfred Simental, MD, FACS, Emad Kandil, MBBCh, FACS, Mark Zafereo, MD, Ellie Maghami, MD, David Shonka, MD

Schedule & Speakers

Welcome – Joseph Scharpf, MD, FACS, Brendan Stack, MD, and Gregory Randolph MD	12:30pm -12:35pm
Surgical Anatomy of the Thyroid and Parathyroid Glands – Joseph Scharpf, MD, FACS, FACE	12:30pm -12:55pm
Work Up of a Patient with a Thyroid Nodule – FNA and Molecular Markers – Marika Russell, MD	12:55pm – 1:15pm
Thyroid Carcinoma – Basics of Pathology and NIFTP – David Shonka, MD	1:15pm – 1:35pm
Postoperative Complications Avoidance and Management – Ayaka Iwata, MD	1:35pm – 1:55pm
Break/Discussion	1:55pm – 2:10pm
Parathyroid Anatomy and Physiology – The Essentials – Michael Singer, MD	2:10pm – 2:30pm
Work Up of the Patient with an Elevated Serum Calcium – Maisie Shindo, MD	2:30pm – 2:50pm
Parathyroidectomy – Pearls and Pitfalls – David Terris, MD, FACS, FACE	2:50pm – 3:10pm
Panel: Thyroid /Parathyroid – All Panelists	3:10pm – 3:40pm

Description

Endocrine neck surgery involves a separate knowledge and skill set within head and neck surgery. AHNS member's practices contain a large and increasing volume of endocrine surgical disease. To serve our AHNS membership we have put together a primer program to cover the field with state of the art presentations by renown AHNS endocrine surgery section faculty that are both expert and diverse. The focus, as a primer, is on the basics of anatomy, related embryology and key surgical maneuvers to optimize surgical care for our thyroid and parathyroid patients.

Learning Objectives

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

- Cover the essential elements of the anatomic and embryologic basis of thyroid and parathyroid surgery.
- Provide the key elements necessary in the preop workup of both thyroid and parathyroid patients prior to surgery.
- Integrate these concepts in case based presentations with audience Q and A input during our Primer Case based panel.

POSTER LISTINGS

Cancer Biology Poster Abstracts

(P001) T CELL AND B CELL INFILTRATION OF PRIMARY HEAD AND NECK SQUAMOUS CELL CARCINOMA IS DECREASED IN PATIENTS WITH LOW BODY MASS INDEX AND LOW LYMPH NODE COUNT FROM NECK DISSECTION

Shuqing Chen; Zhuoyu Wen; Doreen Palsgrove; Guanghua Xiao; John Truelson; Larry Myers; Brittny Tillman; Andrew Day; Eli Gordin; Lenka Stankova; Yang Xie; Baran D Sumer; UT Southwestern Medical Center

(P002) NODAL METASTASIS PATTERNS IN CARCINOMA OF THE TEMPORAL BONE

Michael J Ye¹; Raghav B Vadhu²; Michael W Sim¹; ¹Indiana University School of Medicine - Department of Otolaryngology | Head & Neck Surgery; ²Indiana University School of Medicine

(P003) GROWTH INHIBITORY EFFECT OF PHRAD129, A HIGHER ORDER THERAPEUTICS (HOT) DRUG DERIVED FROM CURCUMA LONGA, IN SCCVII HEAD AND NECK CANCER SYNGENEIC MOUSE XENOGRAFT TUMOR MODEL SYSTEM

Daniel S Shin, MD, PhD¹; Saroj Basak, PhD²; Mysore S Veena, PhD²; Tien S Dong, MD, PhD¹; Jonathan P Jacobs, MD, PhD¹; Chan Jeong, BS²; Luis Z Avila, PhD³; Eri S Srivatsan, PhD²; Marilene B Wang, MD¹; ¹UCLA; ²VA Greater Los Angeles Healthcare System; ³Aveta Biomics, Inc.

(P005) CELL FREE DNA LEVELS ARE ASSOCIATED WITH TUMOR SIZE AND DECREASED SURVIVAL IN PATIENTS WITH ORAL CAVITY CANCER

Dan Yaniv, MD¹; Mahua Bhattacharya, PhD²; Aviram Mizrahi, MD¹; Eyal Yossef, MD¹; Sharon Tzelnick, MD¹; Dorith Raviv Shay, PhD²; Milana Frenkel-Morgenstern, PhD²; Gideon Bachar, MD¹; ¹Department of otolaryngology, Head and Neck Surgery Department, Rabin Medical Center, Petah Tikva, Israel; ²The cancer genomics and biocomputing of complex diseases lab, Azrieli faculty of medicine, Bar-Ilan University, Safed, Israel

(P007) ROLE OF TUMOR-INITIATING CELLS AND ITS FIBROBLAST NICHE IN ORAL CARCINOGENESIS

Gangotri Siddappa, MSc¹; Anuradha Arya, PhD¹; Manjunath E V, MSc¹; Vaishnav Vasudevan, MSc¹; Hari P S, MSc¹; Nameeta Shah, PhD¹; Aditya Chaubey, PhD¹; Moni A Kuriakose, MD, FRCS²; Amritha Suresh, PhD¹; ¹Mazumdar Shaw Medical Foundation, Mazumdar Shaw Centre for Translational Research; ²Mazumdar Shaw Medical Centre

(P009) COL11A1 IS ASSOCIATED WITH NATURAL KILLER CELL SUPPRESSION IN HNSCC

Harmony I Saunders, MS; Jonathan Enders; Sufi M Thomas, PhD; University of Kansas Medical Center

(P011) MTOR INHIBITOR INDUCES AUTOPHAGY AND REDUCES TUMOR VASCULARIZATION TO PREVENT TUMOR GROWTH OF TP53 MUTANT HNSCC

Md Maksudal Alam, PhD; Janmaris Marin Fermin, MD; Channing Dorr, BS; Hillary Savage, BFA; Patrick Spiller, MD; Xiaohua Rong; Tara Moore-Medlin, BS; Caden O Maxwell; Alok R Khandelwal, PhD; Cherie-Ann O Nathan, MD, FACS; Department of Otolaryngology-Head and Neck Surgery, LSU Health-Shreveport, Shreveport, Louisiana, USA.

(P012) MIXED EXTRAGONADAL GERM CELL TUMOR OF THE ADULT LATERAL NECK

Dhruv Sharma, MD¹; Khaled Campa, MD²; Mohamedkazim Alwani, MD¹; Sarah Drejet, MD³; Chad Galer, MD¹; ¹Indiana University Department of Otolaryngology – Head and Neck Surgery; ²University of Colorado Department of Otolaryngology - Head and Neck Surgery; ³University of Utah Department of Otolaryngology - Head and Neck Surgery

(P013) ATAD3A CONFERS MALIGNANT POTENTIAL IN HEAD AND NECK CANCER VIA ITS ATP-BINDING ABILITY

Liwei Lang¹; Tiffany Lam¹; Alex Chen¹; Reid Loveless¹; Chloe Shay²; Yong Teng¹; ¹Ausugusta University; ²Emory University

(P014) DETECTION OF HPV IN SQUAMOUS CELL CARCINOMA IN HEAD AND NECK, OUR FIRST CASES, JANUARY 2014 TO OCTOBER 2020. SALUD INTEGRAL HOSPITAL, MANAGUA, NICARAGUA .

Francisco Medrano, Head Neck Surgeon¹; Carmen Quezada, Pathologist¹; Guillermo Carmona, Surgeon¹; Roger Matus, Radiologist²; Roger Padilla, Facial Maxillo Surgeon¹; ¹Salud Integral Hospital; ²X Ray Center

(P015) BETA SPECTRIN STAINING IS ASSOCIATED WITH HIGHER RISK OF RECURRENT DISEASE IN ORAL TONGUE SQUAMOUS CELL CARCINOMA (OTSCC)

Isabel Randolph; William Adams, PhD; Swati Mehrotra, MD; Mitchell Denning, PhD; Carol Bier-Laning, MD, MBA, FACS; Loyola University Medical Center

(P016) TMEM16A MAY SERVE AS A BIOMARKER FOR TARGETING P90RSK MEDIATED CISPLATIN RESISTANCE

Nayel Khan¹; Suman Chatterjee¹; Eric Huang²; Avani Vyas¹; Wangjie Yu²; Silvia Cruz-Rangel¹; Vlad Sandulache²; Timothy Burns³; Umamaheswar Duvvuri¹; ¹Dept of Otolaryngology, UPMC; ²Bobby R. Alford Department of Otolaryngology, BCM; ³Dept of Medicine, Division of Hematology/Oncology, UPCI

POSTER LISTINGS

(P017) CHARACTERIZATION OF THE TRANSCRIPTOME OF THE ADENOID CYSTIC CARCINOMA PATIENT- DERIVED XENOGRAFT

James Cevallos, BS¹; Philippe Boileau, BS²; Joseph Humtsoe, PhD³; Leilani Jones, BS³; Patrick Ha, MD³; ¹UCSF School of Medicine; ²UCB Graduate Group in Biostatistics; ³UCSF Department of Otolaryngology, Head and Neck Surgery

(P018) POTENTIAL OF T-DM1 (KADCYLA) FOR TREATMENT OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Jacqueline Pei, BS; Yu-Jin Lee, MD; Nynke van den Berg, PhD; Marisa Hom, PhD; Brock A Martin, MD; Eben L Rosenthal, MD; Stanford University

(P019) EVALUATION OF THE IMMUNE LANDSCAPE BY DIGITAL CYTOMETRY USING TRANSCRIPTOMIC DATA OF ORAL PRE-MALIGNANT LESIONS

Vaishnav Vasudevan¹; Hari P S²; Sumsum P Sunny³; Vijay Pillai³; Vivek Shetty³; Vidya Bhushan³; Narayana Subramaniam³; Nameeta Shah²; Moni A Kuriakose³; Amritha Suresh¹; ¹Integrated Head and Neck Oncology Research Program, Mazumdar Shaw Medical Foundation, Narayana Health, Bengaluru, India; ²Neuro-Oncology Program, Mazumdar Shaw Medical Foundation, Narayana Health, Bengaluru, India; ³Head and Neck Oncology, Mazumdar Shaw Medical Center, Narayana Health, Bengaluru, India

(P020) FOXP3+ REGULATORY T CELLS ACCUMULATE DURING ORAL CAVITY SQUAMOUS CELL CANCER PROGRESSION

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(P021) PATTERNS OF DISTANT METASTASIS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA AND THEIR PROGNOSTIC SIGNIFICANCE

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(P022) ANALYSIS OF THE SYNERGETIC EFFECT OF AUTOPHAGY INHIBITOR CHLOROQUINE IN COMBINATION WITH CETUXIMAB OR CISPLATIN IN HEAD AND NECK SQUAMOUS CELL CARCINOMA CELL LINES

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(P023) TRANSCRIPTOMIC ANALYSES OF OBESITY-DRIVEN ORAL CANCER PROGRESSION

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(P026) APOBEC MUTAGENESIS IS CONCORDANT BETWEEN TUMOR AND VIRAL GENOMES IN HPV POSITIVE HEAD AND NECK SQUAMOUS CELL CARCINOMA

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(P028) THE IMPACT OF HISTOPATHOLOGIC FEATURES ON CACHEXIA SEVERITY IN HEAD & NECK CANCER PATIENTS

Alexander J Jones, MD; Leah J Novinger, MD, PhD; Marelle R Ruke, BS; Andrea Bonetto, PhD; Kyle P Davis, BS; Michael G Moore, MD, FACS; Jessica A Yesensky, MD; Indiana University School of Medicine

(P030) ORAL MICROBIOME COMMUNITY COMPOSITION IN HEAD AND NECK SQUAMOUS CELL CARCINOMA: A CASE-CONTROL STUDY

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(P031) INCREASED TUMOR EXOSOME PRODUCTION MAY CONTRIBUTE TO ORAL CAVITY IMMUNE EVASION

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(P032) MARCH6 PROMOTES PAPILLARY THYROID CANCER DEVELOPMENT BY DESTABILIZING DHX9

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(P034) THE SPECTRUM OF TUMOR MUTATIONAL BURDEN IN A HEAD AND NECK CANCER COHORT

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(P035) EFFECT OF OPIOID RECEPTOR ACTIVATION AND BLOCKAGE ON THE PROGRESSION AND RESPONSE TO TREATMENT OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Lirit Levi, MD¹; Hagit Shoffel-Havakuk, MD¹; Elad Hikri, MD, PHD²; Avraham Dayan²; Aron Popovtzer³; Gideon Bachar¹; Aviram Mizrahi¹; ¹Department of Otorhinolaryngology - Head and Neck Surgery, Rabin Medical Center, Petach Tikva, Israel; ²Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel; ³Institute of Oncology, Hadassah Medical Center and the Hebrew University, Jerusalem, Israel

(P037) IDO1 AND CXCL11 MRNA GENE EXPRESSIONS, ADJUSTED FOR TP53 GENOMIC ABERRATIONS AND PD1/PDL1 MRNA GENE EXPRESSIONS, ARE PROGNOSTIC IN PATIENTS WITH STAGE III-IVB HPV-NEGATIVE HNSCC

Evan M De Joya, BS; Stuart E Samuels, MD, PhD; Gregory A Azzam, MD, PhD; Laura M Freedman, MD; Susan H Blanton, PhD; Cesar A Perez, MD; Zoukaa B Sargi, MD, MPH; Michael Samuels, MD; Ruben Carmona, MD, MAS; University of Miami, Miller School of Medicine

(P038) NY-ESO-1 EXPRESSION IN ORAL PRE-MALIGNANT AND MALIGNANT LESIONS

William J Magner, PhD¹; Subin Surendran, PhD¹; Vishal Gupta, MD¹; Kimberly Wooten, MD¹; Ryan P McSpadden, MD¹; Jon Chan, MD¹; S. Lynn Sigurdson, PhD¹; Mihai Merzianu, MD¹; Wesley L Hicks Jr, DDS, MD¹; Adekunle O Odunsi, MD, PhD¹; Moni A Kuriakose²; Amritha Suresh, PhD²; ¹Roswell Park Comprehensive Cancer Center; ²Mazumdar Shaw Medical Center-Roswell Park Collaboration Program, Bangalore India

(P039) ACTIN-ASSOCIATED GENE EXPRESSION IS ASSOCIATED WITH EARLY REGIONAL METASTASIS OF TONGUE CANCER.

Young Kang, MD¹; Doh Young Lee, MD²; Dong Wook Lee, MD, PhD¹; ¹Department of Otorhinolaryngology Head and Neck Surgery, Chungbuk National University College of Medicine, Chungbuk National University Hospital, Cheongju, Republic of Korea; ²Department of Otorhinolaryngology Head and Neck Surgery, Seoul Nation University Boramae Medical Center, Seoul, South Korea

(P040) NOVEL ANAPLASTIC THYROID CANCER PATIENT-DERIVED XENOGRAFT MODELS AND CELL LINES: EXPANDING THE MOLECULAR DIVERSITY OF IN VITRO AND IN VIVO MODELS

Anastasios Maniakas, MD, MSc¹; Ying C Henderson, MD, PhD²; Hu Hei, MD²; Shaohua Peng, PhD²; Yunyun Chen, PhD²; Yujie Jiang, BS²; Shuangxi Ji, PhD²; Maria Cardenas, BA³; Yulun Chiu, PhD²; Diana Bell, MD²; Michelle D Williams, MD²; Marie-Claude Hofmann, PhD²; Steve E Scherer, PhD³; David A Wheeler, PhD³; Naifa L Busaidy, MD²; Ramona Dadu, MD²; Jennifer R Wang, MD, MSc²; Maria E Cabanillas, MD²; Mark Zafereo, MD²; Faye M Johnson, MD, PhD²; Stephen Y Lai, MD, PhD²; ¹Université de Montréal - Hôpital Maisonneuve-Rosemont; MD Anderson Cancer Center; ²MD Anderson Cancer Center; ³Baylor College of Medicine

(P041) NOVEL MEDIATORS OF THE P63-DRIVEN ONCOGENIC PROCESSES IN SQUAMOUS CELL CARCINOMA

Alexandra Glathar; Akinsola Oyelakin; Christian Gluck, MD, PhD; Satrajit Sinha, PhD; University at Buffalo

POSTER LISTINGS

(P042) FEASIBILITY OF SALIVA TESTING USING METHYLATED MICRORNAS FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA RECURRENCE

Yue Qiu, MD¹; Wafik Sedhom, MD¹; Derek Smith¹; Francis Hall, MD¹; Vivian Wu, MD¹; Ling Lu, PhD¹; Elyse Handley¹; Dexiang Gao, PhD¹; Sophia Bornstein, MD, PhD²; Neil Gross, MD³; Brian Harry, MD, PhD¹; Jose Zevallos, MD⁴; John Song, MD¹; Shi-Long Lu, MD, PhD¹; ¹University of Colorado; ²Oregon Health and Science University; ³MD Anderson Cancer Center; ⁴Washington University

(P043) ROLE OF AXL AND EPITHELIAL-MESENCHYMAL TRANSITION IN CLASSIC AND MIXED VARIANTS OF ANAPLASTIC THYROID CANCER

Hannah J Young, BS¹; Rebecca R Pharaon, BA²; Kimberley-Jane C Bonjoc, BS²; Feras Ally, MD²; Holly Yin, PhD²; Robert Kang, MD²; Thomas Gernon, MD²; Ellie Maghami, MD²; Ammar Chaudhry, MD²; ¹University of Utah; ²City of Hope National Medical Center

(P044) TARGETING TUMOR METABOLISM THROUGH LACTATE DEHYDROGENASE A INHIBITS TUMOR PROGRESSION IN ANAPLASTIC THYROID CANCER XENOGRAPHS

Yunyun Chen, PhD¹; Meng Cui, MD, PhD¹; Xiangdong Le, MS¹; Joshua S Niedzielski, PhD²; Anastasios Maniakas, MD, MSc¹; Ying C Henderson, MD, PhD¹; Jim Bankson, PhD²; Vlad Sandulache, MD, PhD³; Stephen Y Lai, MD, PhD¹; ¹Department of Head and Neck Surgery, The University of Texas MD Anderson Cancer Center, Houston, TX, USA; ²Department of Imaging Physics, The University of Texas MD Anderson Cancer Center, Houston, TX, USA; ³Department of Otolaryngology - Head and Neck Surgery, Baylor College of Medicine, Houston, TX, USA

(P047) EVALUATION OF APOPTOSIS SIGNALING IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC) DEMONSTRATES DEPENDENCE ON BCL-FAMILY PRO-SURVIVAL MOLECULES

Daniel Li¹; Andrea Lopez, PhD²; Denis Reyna, PhD²; Carlos Thomas¹; Nitisha Shrivastava, PhD¹; Cory Fulcher, MD³; Michael B Prystowsky, MD, PhD¹; Evripidis Gavathiotis, PhD²; Thomas J Ow, MD, MS³; ¹Albert Einstein College of Medicine, Department of Pathology; ²Albert Einstein College of Medicine, Department of Biochemistry; ³Montefiore Medical Center, Department of Otorhinolaryngology-Head and Neck Surgery

(P049) UNCOVERING ANATOMICAL SUBSITE SPECIFIC TRANSCRIPTIONAL NETWORKS IN ORAL CAVITY SQUAMOUS CELL CARCINOMA

Christian Gluck, PhD¹; Michael R Markiewicz, MD, DDS, MPH¹; Amritha Suresh, PhD²; Moni A Kuriakose, MD²; William J Magner, PhD¹; Lynn Sigurdson¹; Ryan P McSpadden, MD¹; Anurag K Singh, MD¹; Satrajit Sinha, PhD³; Wesley L Hicks, Jr, DDS, MD¹; ¹Roswell Park Comprehensive Cancer Center; ²Mazumdar Shaw Medical Center- Roswell Park Collaboration Program; ³University at Buffalo

(P050) METHYLATION AND GENE EXPRESSION DIFFERENCES BETWEEN ASC/TMS1 AND MYD88 GENES IN HEALTHY AND CANCER LARYNGEAL TISSUE

Mario Bilic¹; Lana Kovac Bilic¹; Jelena Knezevic²; Maja Sutic²; ¹University Hospital Center Zagreb, Croatia; ²Ruder Boskovic Institute Zagreb, Croatia

(P052) ACETYL ISOGAMBOGIC ACID INDUCES ER STRESS AND CELL DEATH IN ORAL CAVITY CANCER CELLS

Yue Xi, PhD; Chester Gauss; Mehrnoosh Ghafouri AbbasAbadi; Thomas Jetmore, MD; William Mason; Andrew Fribley; Wayne State University

(P053) EXTENSIVE RESECTION OF NEWLY REPLICATED DNA IN IRRADIATED HPV-POSITIVE HNSCC CELL LINES

Christian S Betz; Janine Burmester; Malte Kriegs; Sabrina Christiansen; Kai Rothkamm; Thorsten Rieckmann; University Medical Center Hamburg-Eppendorf

(P054) THERAPEUTIC TARGETING OF GLUTAMINOLYSIS AND MITOCHONDRIAL TCA CYCLE IN HEAD AND NECK CANCER

Yong Teng¹; LW Lang²; R Loveless²; LL He²; Chloe Shay¹; ¹Emory University; ²Augusta University

Education / Care Delivery Poster Abstracts

(P001) T CELL AND B CELL INFILTRATION OF PRIMARY HEAD AND NECK SQUAMOUS CELL CARCINOMA IS DECREASED IN PATIENTS WITH LOW BODY MASS INDEX AND LOW LYMPH NODE COUNT FROM NECK DISSECTION

Shuqing Chen; Zhuoyu Wen; Doreen Palsgrove; Guanghua Xiao; John Truelson; Larry Myers; Brittny Tillman; Andrew Day; Eli Gordin; Lenka Stankova; Yang Xie; Baran D Sumer; UT Southwestern Medical Center

POSTER LISTINGS

(P002) NODAL METASTASIS PATTERNS IN CARCINOMA OF THE TEMPORAL BONE

Michael J Ye¹; Raghav B Vadhul²; Michael W Sim¹; ¹Indiana University School of Medicine - Department of Otolaryngology | Head & Neck Surgery; ²Indiana University School of Medicine

(P003) GROWTH INHIBITORY EFFECT OF PHRAD129, A HIGHER ORDER THERAPEUTICS (HOT) DRUG DERIVED FROM CURCUMA LONGA, IN SCCVII HEAD AND NECK CANCER SYNGENEIC MOUSE XENOGRAFT TUMOR MODEL SYSTEM

Daniel S Shin, MD, PhD¹; Saroj Basak, PhD²; Mysore S Veena, PhD²; Tien S Dong, MD, PhD¹; Jonathan P Jacobs, MD, PhD¹; Chan Jeong, BS²; Luis Z Avila, PhD³; Eri S Srivatsan, PhD²; Marilene B Wang, MD¹; ¹UCLA; ²VA Greater Los Angeles Healthcare System; ³Aveta Biomics, Inc.

(P005) CELL FREE DNA LEVELS ARE ASSOCIATED WITH TUMOR SIZE AND DECREASED SURVIVAL IN PATIENTS WITH ORAL CAVITY CANCER

Dan Yaniv, MD¹; Mahua Bhattacharya, PhD²; Aviram Mizrahi, MD¹; Eyal Yossef, MD¹; Sharon Tzelnick, MD¹; Dorith Raviv Shay, PhD²; Milana Frenkel-Morgenstern, PhD²; Gideon Bachar, MD¹; ¹Department of otolaryngology, Head and Neck Surgery Department, Rabin Medical Center, Petah Tikva, Israel; ²The cancer genomics and biocomputing of complex diseases lab, Azrieli faculty of medicine, Bar-Ilan University, Safed, Israel

(P007) ROLE OF TUMOR-INITIATING CELLS AND ITS FIBROBLAST NICHE IN ORAL CARCINOGENESIS

Gangotri Siddappa, MSc¹; Anuradha Arya, PhD¹; Manjunath E V, MSc¹; Vaishnav Vasudevan, MSc¹; Hari P S, MSc¹; Nameeta Shah, PhD¹; Aditya Chaubey, PhD¹; Moni A Kuriakose, MD, FRCS²; Amritha Suresh, PhD¹; ¹Mazumdar Shaw Medical Foundation, Mazumdar Shaw Centre for Translational Research; ²Mazumdar Shaw Medical Centre

(P009) COL11A1 IS ASSOCIATED WITH NATURAL KILLER CELL SUPPRESSION IN HNSCC

Harmony I Saunders, MS; Jonathan Enders; Sufi M Thomas, PhD; University of Kansas Medical Center

(P011) MTOR INHIBITOR INDUCES AUTOPHAGY AND REDUCES TUMOR VASCULARIZATION TO PREVENT TUMOR GROWTH OF TP53 MUTANT HNSCC

Md Maksudal Alam, PhD; Janmaris Marin Fermin, MD; Channing Dorr, BS; Hillary Savage, BFA; Patrick Spiller, MD; Xiaohua Rong; Tara Moore-Medlin, BS; Caden O Maxwell; Alok R Khandelwal, PhD; Cherie-Ann O Nathan, MD, FACS; Department of Otolaryngology-Head and Neck Surgery, LSU Health-Shreveport, Shreveport, Louisiana, USA.

(P012) MIXED EXTRAGONADAL GERM CELL TUMOR OF THE ADULT LATERAL NECK

Dhruv Sharma, MD¹; Khaled Campa, MD²; Mohamedkazim Alwani, MD¹; Sarah Drejet, MD³; Chad Galer, MD¹; ¹Indiana University Department of Otolaryngology – Head and Neck Surgery; ²University of Colorado Department of Otolaryngology - Head and Neck Surgery; ³University of Utah Department of Otolaryngology - Head and Neck Surgery

(P013) ATAD3A CONFERS MALIGNANT POTENTIAL IN HEAD AND NECK CANCER VIA ITS ATP-BINDING ABILITY

Liwei Lang¹; Tiffany Lam¹; Alex Chen¹; Reid Loveless¹; Chloe Shay²; Yong Teng¹; ¹Ausugusta University; ²Emory University

(P014) DETECTION OF HPV IN SQUAMOUS CELL CARCINOMA IN HEAD AND NECK, OUR FIRST CASES, JANUARY 2014 - OCTOBER 2020. SALUD INTEGRAL HOSPITAL, MANAGUA, NICARAGUA.

Francisco Medrano, Head Neck Surgeon¹; Carmen Quezada, Pathologist¹; Guillermo Carmona, Surgeon¹; Roger Matus, Radiologist²; Roger Padilla, Facial Maxillo Surgeon¹; ¹Salud Integral Hospital; ²X Ray Center

(P015) BETA SPECTRIN STAINING IS ASSOCIATED WITH HIGHER RISK OF RECURRENT DISEASE IN ORAL TONGUE SQUAMOUS CELL CARCINOMA (OTSCC)

Isabel Randolph; William Adams, PhD; Swati Mehrotra, MD; Mitchell Denning, PhD; Carol Bier-Laning, MD, MBA, FACS; Loyola University Medical Center

(P016) TMEM16A MAY SERVE AS A BIOMARKER FOR TARGETING P90RSK MEDIATED CISPLATIN RESISTANCE

Nayel Khan¹; Suman Chatterjee¹; Eric Huang²; Avani Vyas¹; Wangjie Yu²; Silvia Cruz-Rangel¹; Vlad Sandulache²; Timothy Burns³; Umamaheswar Duvvuri¹; ¹Dept of Otolaryngology, UPMC; ²Bobby R. Alford Department of Otolaryngology, BCM; ³Dept of Medicine, Division of Hematology/Oncology, UPCI

(P017) CHARACTERIZATION OF THE TRANSCRIPTOME OF THE ADENOID CYSTIC CARCINOMA PATIENT- DERIVED XENOGRAFT

James Cevallos, BS¹; Philippe Boileau, BS²; Joseph Humtsoe, PhD³; Leilani Jones, BS³; Patrick Ha, MD³; ¹UCSF School of Medicine; ²UCB Graduate Group in Biostatistics; ³UCSF Department of Otolaryngology, Head and Neck Surgery

POSTER LISTINGS

(P018) POTENTIAL OF T-DM1 (KADCYLA) FOR TREATMENT OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

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Thomas Houser, BS¹; Jacob Friedman, MD¹; Michael Jelinek, MD²; Mary Jo Fidler, MD²; Nikhil Joshi, MD³; Kerstin Stenson, MD¹; Mihir Bhayani, MD¹; Samer Al-Khudari¹; ¹Department of Otorhinolaryngology - Head and Neck Surgery, Rush University Medical Center; ²Department of Internal Medicine - Medical Oncology, Rush University Medical Center; ³Department of Radiation Oncology, Rush University Medical Center

(P035) EFFECT OF OPIOID RECEPTOR ACTIVATION AND BLOCKAGE ON THE PROGRESSION AND RESPONSE TO TREATMENT OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

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(P037) IDO1 AND CXCL11 MRNA GENE EXPRESSIONS, ADJUSTED FOR TP53 GENOMIC ABERRATIONS AND PD1/ PDL1 MRNA GENE EXPRESSIONS, ARE PROGNOSTIC IN PATIENTS WITH STAGE III-IVB HPV-NEGATIVE HNSCC

Evan M De Joya, BS; Stuart E Samuels, MD, PhD; Gregory A Azzam, MD, PhD; Laura M Freedman, MD; Susan H Blanton, PhD; Cesar A Perez, MD; Zoukaa B Sargi, MD, MPH; Michael Samuels, MD; Ruben Carmona, MD, MAS; University of Miami, Miller School of Medicine

(P038) NY-ESO-1 EXPRESSION IN ORAL PRE-MALIGNANT AND MALIGNANT LESIONS

William J Wagner, PhD¹; Subin Surendran, PhD¹; Vishal Gupta, MD¹; Kimberly Wooten, MD¹; Ryan P McSpadden, MD¹; Jon Chan, MD¹; S. Lynn Sigurdson, PhD¹; Mihai Merzianu, MD¹; Wesley L Hicks Jr, DDS, MD¹; Adekunle O Odunsi, MD, PhD¹; Moni A Kuriakose²; Amritha Suresh, PhD²; ¹Roswell Park Comprehensive Cancer Center; ²Mazumdar Shaw Medical Center-Roswell Park Collaboration Program, Bangalore India

(P039) ACTIN-ASSOCIATED GENE EXPRESSION IS ASSOCIATED WITH EARLY REGIONAL METASTASIS OF TONGUE CANCER.

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(P040) NOVEL ANAPLASTIC THYROID CANCER PATIENT-DERIVED XENOGRFT MODELS AND CELL LINES: EXPANDING THE MOLECULAR DIVERSITY OF IN VITRO AND IN VIVO MODELS

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(P041) NOVEL MEDIATORS OF THE P63-DRIVEN ONCOGENIC PROCESSES IN SQUAMOUS CELL CARCINOMA

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(P042) FEASIBILITY OF SALIVA TESTING USING METHYLATED MICRORNAS FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA RECURRENCE

Yue Qiu, MD¹; Wafik Sedhom, MD¹; Derek Smith¹; Francis Hall, MD¹; Vivian Wu, MD¹; Ling Lu, PhD¹; Elyse Handley¹; Dexiang Gao, PhD¹; Sophia Bornstein, MD, PhD²; Neil Gross, MD³; Brian Harry, MD, PhD¹; Jose Zevallos, MD⁴; John Song, MD¹; Shi-Long Lu, MD, PhD¹; ¹University of Colorado; ²Oregon Health and Science University; ³MD Anderson Cancer Center; ⁴Washington University

(P043) ROLE OF AXL AND EPITHELIAL-MESENCHYMAL TRANSITION IN CLASSIC AND MIXED VARIANTS OF ANAPLASTIC THYROID CANCER

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(P044) TARGETING TUMOR METABOLISM THROUGH LACTATE DEHYDROGENASE A INHIBITS TUMOR PROGRESSION IN ANAPLASTIC THYROID CANCER XENOGRAPHS

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(P047) EVALUATION OF APOPTOSIS SIGNALING IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC) DEMONSTRATES DEPENDENCE ON BCL-FAMILY PRO-SURVIVAL MOLECULES

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(P049) UNCOVERING ANATOMICAL SUBSITE SPECIFIC TRANSCRIPTIONAL NETWORKS IN ORAL CAVITY SQUAMOUS CELL CARCINOMA

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(P050) METHYLATION AND GENE EXPRESSION DIFFERENCES BETWEEN ASC/TMS1 AND MYD88 GENES IN HEALTHY AND CANCER LARYNGEAL TISSUE

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(P052) ACETYL ISOGAMBOGIC ACID INDUCES ER STRESS AND CELL DEATH IN ORAL CAVITY CANCER CELLS

Yue Xi, PhD; Chester Gauss; Mehrnoosh Ghafouri AbbasAbadi; Thomas Jetmore, MD; William Mason; Andrew Fribley; Wayne State University

(P053) EXTENSIVE RESECTION OF NEWLY REPLICATED DNA IN IRRADIATED HPV-POSITIVE HNSCC CELL LINES

Christian S Betz; Janine Burmester; Malte Kriegs; Sabrina Christiansen; Kai Rothkamm; Thorsten Rieckmann; University Medical Center Hamburg-Eppendorf

(P054) THERAPEUTIC TARGETING OF GLUTAMINOLYSIS AND MITOCHONDRIAL TCA CYCLE IN HEAD AND NECK CANCER

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Endocrine Surgery Poster Abstracts

(P124) SURGERY FOR SPONTANEOUS THYROID HEMORRHAGE IN A PATIENT ON DUAL ANTIPLATELET THERAPY FOR RECENT PLACEMENT OF DRUG ELUTING STENT

Murad Lala, Dr; Madhuri Sudhakar, Dr; Joseph Monteiro, Dr; Rajesh Rajani, Dr; PD Hinduja National Hospital & Research Centre

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(P125) SONOGRAPHIC RISK STRATIFICATION AND FINE-NEEDLE ASPIRATION BIOPSY IN INDETERMINATE THYROID NODULES: A SYSTEMATIC REVIEW AND META-ANALYSIS OF DIAGNOSTIC TEST ACCURACY

Phillip Staibano, MSc, MD¹; David Forner, MD²; Christopher W Noel, MD²; Han Zhang, MD, FRCSC¹; Michael Gupta¹; Eric Monteiro, MD, FRCSC²; Anna Sawka, MD, PhD²; Jesse D Pasternak²; David Goldstein²; John R de Almeida, MD, MSc, FRCSC²; ¹McMaster University; ²University of Toronto

(P126) INVASIVE THYROID CANCER: A NOVEL CLASSIFICATION SYSTEM TO STANDARDIZE REPORTING, IMPROVE STRATIFICATION AND FACILITATE OUTCOMES ANALYSIS

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(P128) POST-DISSECTION THRESHOLDS TO PREDICT VOICE AND VOCAL FOLD FUNCTION AFTER THYROID SURGERY

Susan E Ellsperman, MD; Catherine T Haring, MD; Bruce M Edwards, AuD; Paul R Kileny, PhD; Gregory R Mannarelli, AuD; Melanie A Meloche, AuD; Claire Miller, AuD; Crystal Pitts, AuD; Andrew G Shuman, MD; Matthew E Spector, MD; Andrew J Rosko, MD; University of Michigan Department of Otolaryngology

(P129) RLN PALSY FOLLOWING THYROIDECTOMY - ANALYSIS OF FACTORS AFFECTING NERVE RECOVERY

Ramla Mohammad, MD¹; Woo-Jin Jeong, MD, PhD¹; Gene Huh, MD²; Soon-hyeon Ahn, MD, PhD²; Jeong-yeon Ji, MD²; Seung-hoon Han, MD¹; Myung-whun Sung²; Kwang-hyun Kim, MD³; ¹Seoul National University Bundang Hospital; ²Seoul National University Hospital; ³Bundang Jesaeng Hospital

(P130) ANAPLASTIC TRANSFORMATION OF DIFFERENTIATED THYROID CARCINOMA: A SINGLE INSTITUTION CASE SERIES

Albert Y Han, MD, PhD¹; Alice C Yu²; D A Cronkite, MD¹; Dipti Sajed, MD, PhD¹; Maie A St. John, MD, PhD¹; ¹UCLA Health; ²David Geffen School of Medicine at UCLA

(P131) EARLY THYROGLOBULIN AFTER TOTAL THYROIDECTOMY FOR INTERMEDIATE OR HIGH RISK DIFFERENTIATED THYROID CANCER PREDICTS PRE-ABLATION TG VALUES.

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(P132) CLINICAL-PATHOLOGICAL CORRELATION IN PATIENTS WITH BETHESDA III REPORT

Jacqueline Diaz, Doctor; Antonio Gomez, Doctor; INCAN

(P133) CALCINOSIS OF THE INTERNAL JUGLAR VEIN: INTERESTING PRESENTATION OF TERTIARY HYPERPARATHYROIDISM

Mona Shete, MD¹; Courtney B Shires, MD²; ¹Shete Clinic; ²West Cancer Center

(P134) PREDICTORS OF PERMANENT HYPOPARATHYROIDISM AFTER TOTAL THYROIDECTOMY IN PEDIATRIC PATIENTS

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(P135) SELECTING THE OPTIMAL PREOPERATIVE IMAGING FOR DIFFERENTIATED THYROID CANCER SURGERY, A MULTICENTER STUDY

Igor Vainer, MD¹; Dan Yanin, MD¹; Narin Carmel Neiderman, MD²; Harel Baris²; Eyal Robenshtok, MD¹; Dania Hirsch¹; Gideon Bachar, MD¹; Thomas Shpitzer, MD¹; Gilad Horowitz, MD²; Aviram Mizrahi, MD¹; ¹Rabin Medical Center - Beilinson Hospital, Petach Tikva, Israel; ²Tel Aviv Medical Center, Tel Aviv, Israel

(P136) LECTIN CYTOMETRY AS AN ADJUNCT TO IMPROVE USG-GUIDED FNAC IN THE DETECTION OF MALIGNANT THYROID NODULES

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(P137) OUTCOMES OF OUTPATIENT VS. INPATIENT THYROIDECTOMY IN ONTARIO, CANADA

Christopher W Noel, MD; Rebecca Griffiths; Jennifer Siu, MD; David Forner, MD, MSc; Antoine Eskander, MD, ScM; University of Toronto

(P138) CONCURRENT LESIONS IN RIGHT MAXILLA AND MANDIBLE DUE TO RIGHT PARATHYROID CARCINOMA

Shiraz Syed, Dr; Sampan Singh Bist, Dr; Himalayan Institute of Medical Sciences

(P139) EXPANDED USE OF TELEMEDICINE FOR THYROID AND PARATHYROID SURGERY IN THE COVID-19 ERA AND BEYOND

Roger Boles, BS; Melissa Zheng, MD; Daniel I Kwon, MD; Keck School of Medicine of USC

(P141) DROPLET DIGITAL POLYMERASE CHAIN REACTION TESTING OF RAS, BRAF AND TERT FOR PRE-OPERATIVE MOLECULAR TESTING OF THYROID NODULES

Brandon R Rosvall, MD; Morris Kostiuk, PhD; Jordana Williams, MD; Ashlee Matkin, MD, MBA; Jeffrey Harris, MD, MHA, FRCSC; Hadi Seikaly, MD, MAL, FRCSC; Daniel O'Connell, MD, MSc, FRCSC; Vincent L Biron, MD, PhD, FRCSC; University of Alberta

(P142) STRUCTURAL RECURRENCE IN DIFFERENTIATED THYROID CARCINOMA: IMPORTANCE OF MINIMAL LOCAL INVASION

Beatriz G Cavaleiro, PhD¹; Vergilius de Araújo Filho, PhD²; Leandro L Matos, PhD¹; Claudio R Cernea, PhD²; Luiz Paulo Kowalski, PhD¹; ¹Instituto do Câncer do Estado de São Paulo – Hospital das Clínicas of University of São Paulo Medical School; ²University of São Paulo Medical School

(P143) WELL-DIFFERENTIATED THYROID CANCER OUTCOMES WITH BOTH RADIOACTIVE IODINE AND EXTERNAL BEAM RADIATION THERAPY

Jesse R Qualliotine, MD¹; Jared Shenson, MD²; Arifeen S Rahman, BS²; Ryan K Orosco, MD¹; Julia E Noel, MD²; ¹UC San Diego Health; ²Stanford Health Care

(P144) ASSOCIATION OF BETHESDA CATEGORY AND MOLECULAR MUTATION IN PATIENTS UNDERGOING THYROIDECTOMY

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(P145) ASSOCIATION BETWEEN HASHIMOTO THYROIDITIS AND CLINICAL OUTCOMES OF PAPILLARY THYROID CANCER

Siyuan Xu; Jiaxin Qian, MD; Hui Huang, MD; Xiaolei Wang, MD; Shaoyan Liu; Zhengang Xu; Jie Liu; Department of Head and Neck Surgical Oncology, National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College

(P147) PREDICTIVE FACTORS OF VOCAL CORD PARALYSIS IN THYROID SURGERY. IS NEUROMONITORING ALWAYS NECESSARY? A COHORT STUDY

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(P148) UTILITY OF PARATHYROID AUTOFLUORESCENCE IN THYROIDECTOMY – A MATCHED PAIR ANALYSIS

Natarajan Ramalingam, MS, DNB; Vidisha Tuljapurkar, MS; Deepa Nair, MS, DNB; Pankaj Chaturvedi, MS; Kinshuk Chatterjee, MS; Tata Memorial Hospital

(P149) LYMPH NODE RATIO AS A NEGATIVE PROGNOSTIC FACTOR IN PATIENTS WITH PAPILLARY THYROID CARCINOMA

Joao G Filho, PhD; Franco Novelli, MD; Luis Quiroa; Luiz P Kowalski; A.C. Camargo Cancer Center

(P150) CLINICOPATHOLOGICAL CHARACTERISTICS OF FOLLICULAR AND HURTHLE CELL CARCINOMA

Danielli Matsuura; Avery Yuan; Laura Wang; Snehal Patel; Michael Tuttle; Bin Xu; Ronald Ghossein; Ian Ganly; MSKCC

(P151) HOW SUPERIOR IS THE TNM 8TH EDITION OVER THE TNM 7TH EDITION IN PREDICTING THE ONCOLOGICAL OUTCOME OF THE DIFFERENTIATED THYROID CANCERS?

K. Alok Pathak, MD, PhD; Natasha Klemm; Priya Kotecha; Malaz Imam; Suhail Sayed; CancerCare Manitoba

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(P152) MALIGNANCY RATES FOR BETHESDA IV THYROID NODULES

Mirko Manojlovic-Kolarski¹; Michael Au¹; Andrew Sewell¹; Christina MacMillan²; Jeremy L Freeman¹; ¹University of Toronto, Department of Otolaryngology - Head and Neck Surgery; ²University of Toronto, Department of Laboratory Medicine and Pathobiology

(P153) PARATHYROID FAILURE AFTER TOTAL THYROIDECTOMY: A CRITICAL REVIEW

Alistair W Hardy; Ashwini Shenoy; Debabrata Biswas; Luton and Dunstable University Hospital

(P155) VOICE PARAMETERS CHANGE IN DIFFERENT VOCAL CORD MOVEMENT PROGNOSIS OF THYROID SURGERY PATIENTS WITH RECURRENT LARYNGEAL NERVE INJURY

Tzu-Yen Huang, MD; Che-Wei Wu; Kaohsiung Medical University Hospital

(P157) PEDIATRIC THYROID CARCINOMA SCREENING PROTOCOL AT CHILDREN'S CANCER CENTER

Gustavo Rangel, MD¹; Yousef El-Gohary¹; Sara Helming¹; Andrew Murphy²; Andrew M Davidoff²; Regan Williams¹; Anthony Sheyn¹; ¹St. Jude; ²St. Jude

(P159) CORRELATION OF THE RISK OF RECURRENCE AND DEATH FROM THE WELL DIFFERENTIATED THYROID CANCER WITH THE RESPONSE TO INITIAL THERAPY

K. Alok Pathak, MD, PhD; Suhail Sayed, Head and Neck Surgical Oncology Fellow; Theodor Hendrickson-Rebizant; Priya Kotecha; Natasha Klemm; Malaz Alam; Sheena Graham; CancerCare Manitoba

(P160) ACTIVE SURVEILLANCE IN UNDETERMINED (BETHESDA IV) THYROID NODULES.

Carlos Garcia, MD; Alvaro Sanabria, MD, MSc, PhD; Department of Surgery. Universidad de Antioquia. Centro de Excelencia en Cirugia de Cabeza y Cuello. Medellin, Colombia

(P161) RATE OF THYROID LOBECTOMY FOR WELL-DIFFERENTIATED THYROID CARCINOMA IN VIETNAM

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(P162) THORACIC DUCT INJURY DURING NECK DISSECTION - HOW CAN WE BEST MANAGE ON THE TABLE?

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(P163) PARSING THE RISING INCIDENCE OF THYROID CANCER □ HOW ARE THYROID NODULES BEING FOUND? A MULTINATIONAL, MULTI-INSTITUTIONAL ANALYSIS BY THE AHNS ENDOCRINE SURGERY SECTION COLLABORATIVE

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(P165) NEGATIVE PRESSURE WOUND THERAPY IN THE MANAGEMENT OF THYROIDECTOMY WOUNDS

Yuna Kim, MD; Logan Lee, BS; Robert C Wang, MD, FACS; Allen Young, MD, MPH; Jo-Lawrence Bigcas, MD; UNLV

(P167) RARE SOLITARY FIBROUS TUMOR OF THE THYROID

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(P168) "HIGH RISK" FEATURES OF DIFFERENTIATED THYROID CANCER ARE COMMONLY FOUND IN AUTOPSY STUDIES: IMPLICATIONS FOR THE ATA GUIDELINES

Eyal Robenshtok; Amit Ritter; Bar Neeman; Liran Reches; Gideon Bachar; Ilan Shimon; Dania Hirsch; Aviram Mizrahi; Rabin Medical Center, Petah Tikva and Sackler Faculty of Medicine, Tel-Aviv University, Israel

(P170) MEASUREMENT OF SERUM THYROGLOBULIN IS USEFUL FOR THE FOLLOW-UP OF PAPILLARY THYROID CARCINOMA PATIENTS TREATED WITH LOBECTOMY

Siyuan Xu, MD; Hui Huang, MD; Shaoyan Liu; Jie Liu, MD; Department of Head and Neck Surgical Oncology, National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College

(P172) PROGNOSIS, INCIDENCE, AND MANAGEMENT OF TALL CELL VARIANT PAPILLARY THYROID CARCINOMA

Trinitas Boyi, MA¹; S. Lynn Sigurdson, PhD²; William J Magner, PhD²; Ryan P McSpadden, MD²; Vishal Gupta, MD²; ¹Jacobs School of Medicine & Biomedical Sciences; ²Roswell Park Comprehensive Cancer Center

(P174) FROZEN SECTION ANALYSIS OF INDETERMINATE THYROID NODULES

Kate Clancy, MD¹; Thomas Xia, BA²; Nirav Patil, PhD¹; Jay Wasman, MD¹; Nicole Fowler, MD¹; Pierre Lavertu, MD¹; Shawn Li, MD¹; Akina Tamaki, MD¹; Theodoros N Teknos, MD¹; Jason E Thuener, MD¹; Scott Wilhelm, MD¹; Chad A Zender, MD³; Rod Rezaee, MD¹; ¹University Hospitals Cleveland Medical Center; ²Case Western Reserve University; ³University of Cincinnati Medical Center

(P175) THE HEAD AND NECK SURGEON'S ROLE IN THE MANAGEMENT OF HYPERCALCEMIC CRISES DUE TO PRIMARY HYPERPARATHYROIDISM

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(P176) SYSTEMATIC REVIEW AND META-ANALYSIS TO IDENTIFY THE IMMUNOCYTOCHEMICAL MARKERS EFFECTIVE IN DELINEATING BENIGN FROM MALIGNANT THYROID LESIONS IN FNAC SAMPLES

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(P179) POST THYROIDECTOMY HYPOCALCEMIA PREVENTION AND OPTIMIZED MANAGEMENT

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(P180) SEARCHING FOR MOLECULAR CLUES: PAPILLARY THYROID CANCER IN THE STERNOCLEIDOMASTOID MUSCLE

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(P181) PARATHYROID HORMONE DRIVEN ALGORITHMS AFTER THYROID SURGERY: NOT ONE SIZE FITS ALL.

Shireen Samargandy, MBBS; Haytham Msallak; Albino Albino Chiodo, MD, FRCSC; William El Masri, MD, FRCSC; Bradley Hubbard, MD, BSc, FRCSC; Danny Enepekides, MD, MPH, FRCSC; Kevin Higgins, MD, MSc, FRCSC; Eric Monteiro, MD, MSc, FRCSC; Antoine Eskander, MD, MSc, FRCSC; University Of Toronto

(P182) INVESTIGATION OF THE CLINICAL UTILITY OF FINE-NEEDLE ASPIRATION CYTOLOGY IN PATIENTS WITH CHRONIC LYMPHOCYTIC THYROIDITIS

Lauren Schlegel, BS, BA; Tyler Cebulko, MD; Rashiqah Syed, BS; Elizabeth Cottrill, MD; Thomas Jefferson University

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(P183) CLINICOPATHOLOGICAL FACTORS ASSOCIATED WITH OUTCOMES OF PATIENTS WITH PEDIATRIC DIFFERENTIATED THYROID CARCINOMA

Joao G Filho, PhD; Franco Novelli, MD; Deyves Freitas, MD; Clovis A Pinto, PhD; Luiz P Kowalski, PhD; A.C. Camargo Cancer Center

(P184) THYROID CANCER IN PATIENTS WITH RHEUMATIC DISEASES

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(P185) SELF-ASSESSMENT OF PARATHYROID PRESERVATION IN TOTAL THYROIDECTOMY

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(P187) SATISFACTION WITH HEAD AND NECK SCAR APPEARANCE IN LATIN AMERICAN PATIENTS. A CROSS-SECTIONAL STUDY

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Functional Outcomes / Quality Poster Abstracts

(P188) COMPLICATIONS IN THE HIV POPULATION RECEIVING SURGERY FOR HEAD AND NECK CANCER

Samuel J Rubin, MD, MPH¹; Judy Wang, BS²; Jennifer N Shehan, MD¹; Anand K Devaiah, MD¹; Heather Edwards, MD¹; ¹Boston Medical Center; ²Boston University School of Medicine

(P189) QUALITY OF LIFE IN LOCALLY ADVANCED HPV POSITIVE OROPHARYNGEAL CANCER TREATED WITH NEOADJUVANT CHEMOTHERAPY FOLLOWED BY TRANSORAL ROBOTIC SURGERY AND NECK DISSECTION

Alina Diaconescu, MD, MSc; Maida Sewitch, PhD; Marco Mascarella¹ Mascarella, MD, MSc; Jose L Ramirez-Garcia Lun, MD, MSc; Nahid Golabi; Keith Richardson; Nathaniel Bouganin; Reza Forghan; Alex Mlynarek; Michael Hier; Nader Sadeghi; McGill University

(P191) THE ROLE OF PATHOLOGY PROCESSING TECHNIQUE IN IDENTIFICATION OF LYMPH NODES IN NECK DISSECTION SPECIMENS AND ITS EFFECT ON PROGNOSIS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Kevin Bijou; Joseph Lopez; Christine G Gourin; Lisa Rooper; Wojciech K Mydlarz; Johns Hopkins University School of Medicine

(P192) THE EFFECTS OF INTENSITY-MODULATED RADIATION THERAPY ON KINEMATIC MEASURES OF SWALLOWING IN NASOPHARYNGEAL CANCER SURVIVORS

Dai Pu, PhD¹; Karen Chan, PhD²; Victor Lee, MD²; Raymond Tsang, MS²; ¹Monash University; ²The University of Hong Kong

(P193) FEEDING TUBE PREVALENCE AFTER TRANSORAL SURGERY FOR OROPHARYNGEAL CANCER

Joshua D Waltonen, MD; Jae H Yang, BS; Gregory B Russell, MS; Sydney G Thomas, BA; Christopher A Sullivan, MD; Wake Forest University School of Medicine

(P194) HEALTH-RELATED QUALITY OF LIFE OF PATIENTS WITH THYROID DISEASE AFTER THYROIDECTOMY

Clement Loh, Dr¹; Hiang Khoon Tan, Associate Professor¹; Mahalakshmi Shetty, Dr¹; Hong Yu Tan, Dr¹; Jeremy Seow²; ¹Singapore General Hospital; ²ETH Zurich

(P195) OPTIMIZATION OF CLOSED-SUCTION DRAIN MANAGEMENT AFTER LATERAL NECK DISSECTION

Pratyusha Yalamanchi, MD, MBA; Shannon Fayson, MD; Keith Casper, MD; Michigan Medicine

(P196) NEXT GENERATION QUALITY: ASSESSING DIAGNOSTIC RATE VARIANCE WITH FUNNEL PLOTS IN 10,540 THYROID FINE NEEDLE ASPIRATION BIOPSIES

Chandni Jain, MD¹; Michael Bonert, MD, MASc, FRCPC²; Asghar Naqvi, MD, FRCPC²; Mohamed Khodary, MD, FRCPC²; Ipshtita Kak, MD, FRCPC²; Michael Gupta, MD, MSc, FRCSC²; ¹McMaster University; ²St. Joseph's Healthcare Hamilton

(P197) CANNABIS USE IN PATIENTS WITH HEAD AND NECK CANCER AND RADIOTHERAPY OUTCOMES

Amy M Williams, PhD; Marissa Gilbert; Farzan Siddiqui, MD, PhD; Henry Ford Health System

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(P198) FEASIBILITY OF INTEGRATING VIDEOFUOROSCOPY IN LARGE COOPERATIVE GROUP HEAD AND NECK CANCER TRIALS IN THE UNITED KINGDOM

Jo Patterson¹; LJ Watson, Ms²; M Evans, Professor³; T Jones, Professor⁴; C Simon, Professor⁵; M Beasley, Dr⁶; N Palaniappan, Dr³; C Hurt, Professor⁷; N Powell, Dr⁸; M Robinson, Dr⁹; C Heiberg, Ms⁷; J Canham⁷; L Nixon, Dr⁷; C Frayne, Ms⁷; H Timmins, Ms⁷; C Cox, Ms⁷; K Hutcheson, Professor¹⁰; ¹University of Liverpool; ²Sunderland and South Tyneside NHS Foundation Trust; ³Velindre University NHS Trust Cardiff, UK; ⁴Liverpool Head and Neck Centre, University of Liverpool, UK; ⁵University of Lausanne, Switzerland; ⁶University Hospitals Bristol and Weston NHS Foundation Trust, UK; ⁷Centre for Trial Research, Cardiff University, Cardiff, UK; ⁸Cardiff University School of Medicine, Cardiff, UK; ⁹Royal Victoria Infirmary, Newcastle upon Tyne, UK; ¹⁰M.D. Anderson Cancer Centre, Texas, USA

(P199) CHARACTERIZING PAIN, FUNCTIONAL LIMITATIONS, AFFORDABILITY OF CARE, AND COMORBIDITIES IN HEAD AND NECK CANCER SURVIVORS: A POOLED ANALYSIS OF THE NATIONAL HEALTH INTERVIEW SURVEY

Jordan R Salley, BS; Rebecca Eary, DO, MPH; Sanjana Balachandra, BS; Baran Sumer; Anna Tomkies, MD; Teena Sura, BDS, MPH; Andrew T Day, MD, MPH; University of Texas Southwestern Medical Center

(P200) RISK FACTORS ASSOCIATED WITH VOCAL CORD DYSFUNCTION IN PATIENTS UNDERGOING THORACIC SURGERY

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(P201) LARYNGECTOMY WITH AND WITHOUT THYROIDECTOMY: DIFFERENCES IN POST-OPERATIVE HYPOCALCEMIA AND MANAGEMENT

Neelam P Phalke, MD; Faith Meyers; Jason Schroeder; Lee McDaniel; Ashley C Mays, MD; LSU New Orleans

(P202) INVESTIGATION OF THE RELATIONSHIP BETWEEN DELTA INFLAMMATORY MARKERS AND PROGNOSIS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Julian Khaymovich, BS¹; Andrew Ko, BS²; Amanda Wong, BS²; Daniel Zhu, BS²; Josue Minaya, BS²; Arif I Mahmud, BA²; Tristan Tham, MD²; ¹New York Institute of Technology College of Osteopathic Medicine; ²Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

(P203) CORE NEEDLE BIOPSY PROVIDES MORE ACCURATE PRE-SURGICAL ASSESSMENT OF THYROID LESIONS THAN FINE NEEDLE ASPIRATES

Trinitas Boyi, MA¹; S. Lynn Sigurdson, PhD²; William J Magner, PhD²; Kimberly Wooten, MD²; Ryan P McSpadden, MD²; Wesley L Hicks Jr, DDS, MD²; Vishal Gupta, MD²; ¹Jacobs School of Medicine & Biomedical Sciences, University at Buffalo; ²Roswell Park Comprehensive Cancer Center

(P204) ABOVE AND BEYOND AGE: PREDICTION OF MAJOR POSTOPERATIVE ADVERSE EVENTS IN HEAD AND NECK SURGERY

Marco A Mascarella, MD, MSc¹; Nikesh Muthukrishnan, PhD²; Farhad Maleki, PhD²; Marie-Jeanne Kergoat, MD³; Keith Richardson, MD⁴; Alex Mlynarek, MD, MSc⁵; Veronique-Isabelle Forest, MD, MSc⁵; Caroline Reinhold, MD, PhD²; Diego Martin, MD, PhD²; Michael Hier, MD⁵; Nader Sadeghi, MD²; Reza Forghani, MD, PhD²; ¹McGill University, University of Pittsburgh Medical Center; ²Research Institute of McGill University Health Center; ³Geriatric Institute of Montreal; ⁴McGill University Health Center; ⁵Jewish General Hospital

(P205) FINANCIAL TOXICITY IN HEAD AND NECK CANCER.

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(P206) PROPHYLACTICAL REPLACEMENT OF VOICE PROSTHESIS; CAN IT BE DONE? A RETROSPECTIVE COHORT STUDY

Anne N Heirman, MD; Vincent van der Noort, MSc, PhD; Richard Dirven, MD, PhD; Marije Petersen, MD, PhD; Michiel van der Brekel, Prof, dr, MD; NKI-AvL

(P207) MANUAL THERAPY FOR HEAD AND NECK CANCER RELATED TRISMUS: A CASE SERIES

H McMillan, MCD; R Cardoso, DDS; L Mayo, MD; C Porsche, MS; K Savage, MS; C Barbon, PhD; S Buoy, MPH; K Hutcheson, PhD; The University of Texas MD Anderson Cancer Center

(P209) EVALUATING POSSIBLE RISK AND PROTECTIVE FACTORS RELATED TO HOSPITALIZATIONS OF HEAD AND NECK CANCER PATIENTS

Daniel J Pan¹; Jinhong Li²; Alexandria L Harris¹; Karley Atchison³; Jacob C Hodges⁴; Allison Mak¹; Jeyani Narayan¹; David A Clump⁵; Jonas T Johnson¹; Marci L Nilsen⁶; ¹University of Pittsburgh School of Medicine; ²University of Pittsburgh School of Public Health; ³UPMC Department of Otolaryngology; ⁴UPMC Wolff Center; ⁵UPMC Department of Radiation Oncology; ⁶University of Pittsburgh School of Nursing

(P210) ASSOCIATION BETWEEN DISTANCE TRAVELED FOR ORAL CAVITY CANCER CARE, TREATMENT CHOICES AND OUTCOMES

Vishal Gupta, MD; Hassan Arshad, MD; William J Magner, PhD; S. Lynn Sigurdson, PhD; Adrienne Groman, MS; Kimberly Wooten, MD; Ryan P McSpadden, MD; Jon Chan, MD; Anurag K Singh, MD; Wesley L Hicks Jr, DDS, MD; Roswell Park Comprehensive Cancer Center

(P211) COMPREHENSIVE AND STRUCTURED MULTI-PROFESSIONAL PREOPERATIVE ASSESSMENT AND INFORMATION FOR HEAD AND NECK CANCER PATIENTS IMPROVES POSTOPERATIVE OUTCOME

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(P212) CONSTRUCT VALIDATION OF THE EUROQOL-5 AND THE HEALTH UTILITIES INDEX IN PATIENTS WITH HEAD AND NECK CANCER

Christopher W Noel; David Forner, MD; Eric Monteiro, MD, MSc; David Goldstein, MD, MSc; John R de Almeida, MD, MSc; University of Toronto

(P213) ATTITUDES TOWARD AND ACCEPTABILITY OF MEDICAL MARIJUANA USE AMONG HEAD AND NECK CANCER PATIENTS

Marc Levin, MD¹; Han Zhang, MD, FRCSC²; Michael K Gupta, MD, FRCSC²; ¹University of Toronto; ²McMaster University

(P214) BRAZILIAN-PORTUGUESE VALIDATION OF THE NECK DISSECTION IMPAIRMENT INDEX (NDII) INSTRUMENT - A MEASURE OF QUALITY OF LIFE.

Thalissa Maniaes, MSc; Indiara Soares Oliveira Ferrari, PhD; Luiz Paulo Kowalski, PhD; José Guilherme Vartanian, PhD; AC Camargo Cancer Center

(P216) RISK FACTORS FOR HEAD AND NECK CANCER-RELATED BODY IMAGE DISTURBANCE USING A VALIDATED HEAD AND NECK CANCER-SPECIFIC PATIENT-REPORTED OUTCOME MEASURE

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(P217) ASSESSMENT OF QUALITY OF LIFE OF LATIN-AMERICAN PATIENTS WITH THYROID CANCER WITH THE THYCAQOL QUESTIONNAIRE.

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(P218) DEVELOPMENT OF A DYSPHAGIA PATHWAY PROGRAM FOR SWALLOWING DYSFUNCTION IN A RURAL PATIENT POPULATION WITH HEAD AND NECK CANCER

Kimberly Chan, BS; Allison Keane, MD; Melissa Montano, MS, CCCSLP; Erin Kelly, MS, CCCSLP; Yanxu Yang, MPH; Karen Y Choi, MD; Penn State Milton S. Hershey Medical Center

(P219) COST-EFFECTIVENESS ANALYSIS OF WATCHFUL WAITING, SENTINEL LYMPH NODE BIOPSY, AND ELECTIVE NECK DISSECTION IN THE DIAGNOSIS AND MANAGEMENT OF EARLY STAGE ORAL CAVITY CANCER

Ankita Naraparaju¹; Vikas Mehta, MD²; ¹Albert Einstein College of Medicine; ²Montefiore Medical Center, Department of Otolaryngology, Head & Neck Surgery

(P220) "THE CLOCK IS TICKING": EARLY IDENTIFICATION AND TRACKING OF PROGRESSIVE LATE RADIATION EFFECTS IN HEAD AND NECK CANCER PATIENTS IS VITAL TO QUALITY OF PATIENT CARE AND PATIENT SURVIVORSHIP

Marlene C Jacobson, PhD; Sunnybrook Health Sciences Centre - Odette Cancer Centre

(P221) A CONTEMPORARY ANALYSIS OF RACIAL DISPARITIES IN HEAD AND NECK CANCER INCIDENCE AND MORTALITY IN THE UNITED STATES

Camil Correia, MD¹; Dara Adams, MD²; Kristine Kuchta, MS³; Cheryl Nocon, MD³; Mihir Bhayani, MD⁴; ¹Northwestern Memorial Feinberg School of Medicine; ²University of Chicago Medicine; ³Northshore University Health System; ⁴Rush Medical Center

(P222) SURVIVORSHIP, AT WHAT COST? UNDERSTANDING FINANCIAL TOXICITY IN PATIENTS WITH HEAD AND NECK CANCER: A SYSTEMATIC REVIEW

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(P223) RETROSPECTIVE ANALYSIS OF POSTOPERATIVE OPIOID PRESCRIPTION AFTER THYROIDECTOMY BEFORE AND AFTER THE PASSING OF FLORIDA HOUSE BILL 21

Victoria C James, MD; Carolyn O Dirain, PhD; Krishna S Hanubal; Diana Wilke, PhD; Deepa Danan, MD; Peter T Dziegielewska, MD; Natalie Silver, MD; University of Florida College of Medicine

(P224) IS HEAD AND NECK SURGERY IN THE ELDERLY POPULATION SAFE?

Sharon Tzelnick, Dr; Aviram Mizrahi, Dr; Sagit Stern Shavit, Dr; Daniel Ben-Ner, Dr; Yonathan Reuven, Dr; Thomas Shpitzer, Prof; Gideon Bachar, Prof; Department of Otolaryngology – Head and Neck Surgery. Rabin Medical Center, Petah Tikva, Israel

(P225) FACTORS AFFECTING NECK DISSECTION LYMPH NODE YIELD IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

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(P226) PERIOPERATIVE NUTRITION IN HEAD AND NECK CANCER PATIENTS

William Reed, MD, MPH; Nicholas Frisco, BS; Nosa Osazuwa-Peters, MPH, PhD; Oyomoare Osazuwa-Peters, PhD, MS; Duke University

(P227) EXAMINING TRANS-ESOPHAGEAL PUNCTURE VOICE OUTCOMES

Maxwell Newby, MD; Amy Ringers, SLP; Scott Shapiro, MD; Tanya Fancy, MD; Rusha Patel, MD; Jeffson Chung, MD; West Virginia University

(P229) PREDICTORS OF SURVIVAL FOLLOWING CAROTID BLOWOUT SYNDROME

Kevin Liu, BS¹; Dustin A Silverman, MD²; Anuraag S Parikh, MD²; Shahid M Nimjee, MD, PhD³; Ciaran J Powers, MD, PhD³; Patrick Youssef, MD³; James W Rocco, MD, PhD²; Kyle K VanKoeveering, MD²; Stephen Y Kang, MD²; Matthew O Old, MD²; Nolan B Seim, MD²; ¹The Ohio State University College of Medicine, Columbus, OH, USA; ²Department of Otolaryngology - Head and Neck Surgery, Division of Head and Neck Oncology, The Ohio State University, James Cancer Center and Solove Research Institute, Columbus, OH, USA; ³Department of Neurological Surgery, The Ohio State University, Columbus, OH, USA

(P230) PREDICTIVE FACTORS OF BLOOD TRANSFUSION IN MAJOR HEAD AND NECK SURGERY

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(P231) THE ROLE OF A REGIONAL NERVE BLOCK IN MULTIMODAL ANALGESIA REGIMENS IN HEAD AND NECK FREE TISSUE RECONSTRUCTIVE SURGERY

Maraya Baumanis; Charissa Kahue; Emily Cummings; Kevin Sykes; Andres Bur; Lisa Shnyder; The University of Kansas Medical Center

(P233) HUMAN PAPILLOMAVIRUS RELATED MULTIPHENOTYPIC SINONASAL CARCINOMA: REPORT OF A CASE WITH EARLY RECURRENCE AND METASTASIS

Razan Alosaimy, MBBS¹; Bayan Besharah, MBBS²; Haddad Alkaf, MBBS, ABORLHN³; Sherif Abdelmonim, MS, PhD, FACS, FEBOrl³; Mohammad Alessa, MBBS, SBORLHN³; ¹UQU; ²NGHA; ³KAMC

(P234) ANALYSIS OF EMR GENERATED QTC INTERVAL PROLONGATION ALERTS IN HEAD AND NECK CANCER PATIENTS

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(P235) ANALYZING POSTOPERATIVE SWALLOW OUTCOMES IN GLOSSECTOMY PATIENTS

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(P236) ASSOCIATION BETWEEN INTRATRACHEAL MANOMETRIC PRESSURES, TRACHEOESOPHAGEAL SPEECH PRODUCTION AND DYSPHAGIA FOLLOWING TOTAL LARYNGECTOMY

Lisa M Evangelista, CScD; Tess Andrews, MS; Nogah Nativ, PhD; Yuval Nachalon, MD; Maggie Kuhn, MD; Peter Belafsky, MD, PhD; UC Davis Medical Center

(P238) SCREENING TOOLS FOR DEPRESSION IN HEAD AND NECK CANCER PATIENTS: A SCOPING REVIEW

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(P239) RELEVANCE OF AMERICAN COLLEGE OF SURGEON NSQIP PARTICIPATING HOSPITAL COMPARISONS IN EVALUATING QUALITY AT HEAD AND NECK HEAVY TERTIARY CARE HOSPITALS

Seerat K Poonia, MD¹; Stephanie Diem, RN²; Kendall Tasche, MD³; Robert M Brody, MD¹; Ara A Chalian, MD¹; Jason G Newman, MD¹; Karthik Rajasekaran, MD¹; Rabie M Shanti, MD, DMD¹; Jason Brant, MD¹; James Kearney, MD¹; Steven B Cannady, MD¹; ¹University of Pennsylvania; ²Pennsylvania Hospital; ³Mayo Clinic

(P240) EVALUATING DYSPHAGIA AND XEROSTOMIA OUTCOMES FOLLOWING PRIMARY SURGERY FOR PATIENTS WITH OROPHARYNGEAL CANCER

Mitesh P Mehta, BA; Rebecca Prince, BA; Zeeshan Butt, PhD; Bryce E Maxwell, HSD; Brittni N Carnes, BA, MS; Urjeet A Patel, MD; Katelyn O Stepan, MD; Bharat B Mittal, MD; Sandeep Samant, MD; Northwestern University Feinberg School of Medicine

(P241) ELECTRONIC PATIENT REPORTED OUTCOME MEASURES IN HEAD & NECK CANCER

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(P242) HEALTH INSURANCE STATUS AND RISK OF SUICIDE IN PATIENTS WITH HEAD AND NECK CANCER

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(P243) TRACHEOSTOMY IN COVID-19: A SYSTEMATIC REVIEW OF CLINICAL OUTCOMES AND SARS-COV-2 HEALTHCARE WORKER TRANSMISSION

Phillip Staibano, MSc, MD; Tobial McHugh, MD, FRCSC; Marc Levin, MD; Michael Gupta, MD, FRCSC; Doron Sommer, MD, FRCSC; McMaster University

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(P244) THE FIGHT TO SWALLOW: COMPLICATIONS AND RISK FACTORS AFTER TOTAL LARYNGECTOMY REQUIRING ESOPHAGEAL DILATION

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(P245) TEP BOARD: A MULTIDISCIPLINARY APPROACH TO SELECTING OPTIMAL CANDIDATES FOR TRACHEOESOPHAGEAL VOICE PROSTHESIS PUNCTURE

Hannah Cornett, MS, CCCSLP; Susan Thomas, MS, CCCSLP; Meghana Nathan, MS, CCCSLP; Jonathan Waller, MA, CCCSLP; Merry Sebelik, MD; Mark El-Deiry, MD; Harry Michael Baddour, MD; Lauren Ottenstein, MS, CCCSLP, BCSS; Emory Healthcare

(P246) OVERALL AND DISEASE-SPECIFIC SURVIVAL ASSOCIATED WITH CONSOLIDATED MULTIDISCIPLINARY CARE IN HEAD AND NECK CANCER: A RETROSPECTIVE STUDY

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(P247) DOES TREATMENT LOCATION MATTER? ELUCIDATING SURVIVAL AND FUNCTIONAL OUTCOMES IN PATIENTS WITH PRIMARY HEAD AND NECK MALIGNANCIES TREATED IN ACADEMIC VS. COMMUNITY SETTINGS

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(P248) INCIDENCE OF RADIOLOGIC EVIDENCE OF SINUSITIS FOLLOWING ENDOSCOPIC ENDONASAL SKULL BASE SURGERY; A MULTI-CENTER STUDY

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(P249) DO MDADI SCORES ASSOCIATE WITH SYMPTOMS BEYOND DYSPHAGIA? A LONGITUDINAL PROSPECTIVE REGISTRY ANALYSIS

Carly E Barbon; Danika D Dirba; Gary B Gunn, MD; David I Rosenthal, BA, MA, MD; Clifton D Fuller, MD, PhD; Neil D Gross, MD; Amy C Moreno, MD; Faye M Johnson, BS, MD, PhD; Katherine A Hutcheson, PHD; The University of Texas MD Anderson Cancer Center

(P250) HEALTH LITERACY ASSOCIATED WITH POOR ADHERENCE TO CLINICAL RECOMMENDATIONS IN HEAD AND NECK CANCER PATIENTS

Randall J Harley; Jonas T Johnson; Karley Atchison; Karen Losego; Kelly Young; Marci L Nilsen; University of Pittsburgh School of Medicine

(P251) HYPOGLOSSAL PALSY IN THE PATHOGENESIS OF LATE-RADIATION ASSOCIATED DYSPHAGIA

Holly McMillian, MCD, CCCSLP, LMP, CLT; Karen Woodman, MD; Carly Barbon, PhD; Clifton D Fuller, MD, PhD; Stephen Y Lai, MD, PhD; Puja Aggarwal, PhD; Sheila Buoy, BS, MPH; Carla Warneke, MS; Kiara Savage, MS; Christine Porsche, MS; Katherine Hutcheson, PhD; The University of Texas MD Anderson Cancer Center

(P252) CHARACTERIZING ADVERSE DETERMINANTS OF SURVIVAL IN HPV-POSITIVE OROPHARYNGEAL CANCER PATIENTS UNDERGOING UNIMODALITY THERAPY: A NATIONAL CANCER DATABASE RETROSPECTIVE COHORT ANALYSIS

Rebecca Lee, MD; Jordan R Salley, BS; Baran Sumer, MD, PhD; Dipan Desai, MD; Alex Yang, MD; Andrew T Day; University of Texas Southwestern Medical Center

(P253) THE PROTECTIVE EFFECT OF ASPIRIN-INDUCED TEMPORARY THRESHOLD SHIFT IN AN ANIMAL MODEL OF CISPLATIN-RELATED OTOTOXICITY

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(P254) IMPLEMENTATION OF A MULTIMODAL ANALGESIA PROTOCOL IN HEAD AND NECK FREE TISSUE RECONSTRUCTION TO REDUCE OPIOID USAGE

Maraya M Baumanis; Kevin Sykes; Amit Bhojwani; Charissa Kahue; Andres Bur; Lisa Shnyder; The University of Kansas Medical Center

(P255) GEOGRAPHIC DISPARITIES IN HEAD AND NECK CANCER SURVIVAL IN UPSTATE NEW YORK

Saiganesh Ravikumar, MPH¹; Nicolas J Casellas, MD²; Shalini Shah, BA¹; Katherine Rieth, MD, MA, MPH²; ¹University of Rochester School of Medicine; ²Department of Otolaryngology – Head & Neck Surgery, University of Rochester Medical Center

(P257) CLINICAL TRIAL IN DEVELOPMENT: ATORVASTATIN TO REDUCE CISPLATIN-INDUCED HEARING LOSS IN HEAD AND NECK CANCER PATIENTS

Nicole C Schmitt, MD¹; Katharine Fernandez, AuD, PhD²; Shawn D Newlands, MD, PhD³; Paul D Allen, PhD³; Ranee Mehra, MD⁴; Ronna Hertzano, MD, PhD⁴; Nabil F Saba, MD¹; William Stokes, MD¹; Lisa L Cunningham, PhD²; ¹Winship Cancer Institute at Emory University; ²NIDCD; ³University of Rochester; ⁴University of Maryland School of Medicine

(P258) RESPIRATORY-SWALLOW PHASE PATTERNING THAT SIGNALS SWALLOWING IMPAIRMENT IN HEAD AND NECK CANCER PATIENTS

Theresa Hopkins-Rossabi, PhD, CCCSLP¹; Sandeep Samant, MD²; Bonnie Martin-Harris, PhD, CCCSLP¹; ¹Northwestern University; ²Northwestern Memorial Hospital

(P259) SURVIVAL AND TREATMENT OUTCOMES IN HEAD AND NECK SQUAMOUS CELL CARCINOMA PATIENTS WITH PULMONARY OLIGOMETASTASES

Asako Inagawa, BA; Ayan Kumar, MD; S. Hamad Sagheer, BS; David Cognetti, MD; Joseph Curry, MD; Thomas Jefferson University Hospital

(P260) VIDEO CONSULTATION FOR THE PATIENT WITH THYROID DISORDER: PERCEPTIONS OF THE PATIENT AND CLINICIAN

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(P261) ANALYSIS OF OPIOID AND ADJUNCTIVE MEDICATION PRESCRIPTIONS IN HEAD AND NECK CANCER PATIENTS

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(P262) COST-EFFECTIVENESS OF EMERGENCY DEPARTMENT WORKUP OF NEW HEAD AND NECK CANCER PATIENTS.

Zachary Helmen, MD¹; Yamil Selman, MD²; Caralin Schneider¹; Viraj Shah¹; Jason Leibowitz, MD¹; Zoukaa Sargi, MD, MPH¹; Stuart Samuels, MD, PhD¹; Elizabeth Nicolli, MD¹; ¹University of Miami Miller School of Medicine; ²Thomas Jefferson University Sidney Kimmel Medical College

(P263) IMPACT OF NECK DISABILITY ON FLOURISHING IN HEAD AND NECK CANCER SURVIVORS

Alexandria Harris¹; Daniel Hall, MD²; Karley Atchison, MA³; Jonas Johnson, MD³; Marci Nilsen, PhD, RN³; ¹University of Pittsburgh School of Medicine; ²Department of Surgery, University of Pittsburgh School of Medicine, Wolff Center at UPMC, Center for Health Equity Research and Promotion, VA Pittsburgh Health System; ³Department of Otolaryngology, University of Pittsburgh School of Medicine

(P265) IMPROVING TIMING METRICS FOR DEFINITIVE SURGICAL MANAGEMENT IN HEAD AND NECK CANCER CARE

Kaylee R Purpura, MD; Jonathan R Mark, MD; Brynn E Sheehan, PhD; Christian Law; Eastern Virginia Medical School

(P266) THE IMPACT OF XEROSTOMIA ON DIET LEVEL AND FEEDING TUBE USE IMMEDIATELY FOLLOWING RADIATION THERAPY FOR HEAD AND NECK CANCER

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(P267) PRE-TREATMENT PAIN IS ASSOCIATED WITH CANCER SITE AND PERIPHERAL NERVE PRESENCE IN PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA

Nicole N Scheff, PhD; Jinhong Li, MS; Mark W Kubik, MD; Seungwon Kim, MD; Marci L Nilsen, PhD, RN; University of Pittsburgh

(P268) IMPLICATIONS OF PROBIOTICS AND MICROBIOME MODULATION FOR TRACHEOESOPHAGEAL VOICE PROSTHESES

Alexandra T Bourdillon, BS¹; Heather A Edwards, MD²; ¹Yale University School of Medicine; ²Division of Head and Neck Surgery, Department of Otolaryngology - Head and Neck Surgery, Boston University School of Medicine

(P269) FINANCIAL TOXICITY AND HEALTH-RELATED QUALITY OF LIFE AMONG HEAD AND NECK CANCER SURVIVORS

Nicholas R Lenze, MPH¹; Jeannette T Bensen, MS, PhD²; Wendell G Yarbrough, MD, MMHC¹; Adam M Zanation, MD¹; ¹University of North Carolina School of Medicine, Department of Otolaryngology/Head & Neck Surgery; ²University of North Carolina, Gillings School of Global Public Health, Department of Epidemiology

(P270) CAREGIVER BURDEN, QUALITY OF LIFE AND DISTRESS AMONG INFORMAL CAREGIVERS OF PATIENTS WITH HEAD AND NECK CANCER: A LONGITUDINAL STUDY

Kira van Hof, MD; Arta Hoesseini, MD; Aniel Sewnaik, MD, PhD; Rob Baatenburg de Jong, prof, MD, PhD; Marinella Offerman, PhD; Erasmus Medical Center

(P272) HOW TO MEASURE VELOPHARYNGEAL FUNCTION AFTER TREATMENT OF HEAD AND NECK CANCER? -CORRELATION OF BLOWING TIME RATIO AND HIGH-RESOLUTION MANOMETRY-

Tatsuya Furukawa, MD¹; Hirokazu Komatsu, MD²; Hisami Fujio, MD, PhD²; Keisuke Iritani, MD¹; Masanori Teshima, MD, PhD¹; Hirotaka Shinomiya, MD, PhD¹; Ken-ichi Nibu, MD, PhD¹; ¹Department of Otolaryngology-Head and Neck Surgery, Kobe University Graduate School of Medicine; ²Department of Otorhinolaryngology, Hyogo Prefectural Tamba Medical Center

(P273) ALL OR NONE: RETURN TO REGULAR DIET IS KEY TO QUALITY OF LIFE IN HEAD AND NECK CANCER PATIENTS.

Kaisin Yee, BSc¹; Zhengzheng Zhao²; Ngian Chye Tan, MBBS, MMed, FRCSEd, FAMS³; N Gopalakrishna Iyer, MBBS, FRCSEd, FAMS, PhD³; Hiang Khoo Tan, MBBS, FRCSEd, FAMS, PhD³; ¹Singapore General Hospital; ²Duke-NUS Medical School; ³SingHealth Duke-NUS Head and Neck Centre

(P274) IMPACT OF EARLY POSTOPERATIVE MOBILIZATION IN HEAD AND NECK CANCER PATIENTS

Shaina W Gong, BS; Garren M Low, MS, MD; Ron J Karni, MD; Carolina Gutierrez, MD; Kunal S Jain, MD; Tang Ho, MD; McGovern Medical School

(P275) CLINICIAN ATTITUDES REGARDING CANDIDACY FOR TRACHEOESOPHAGEAL PUNCTURE

Lauren Ottenstein, MS, CCCSLP, BCSS¹; Merry Sebelik, MD¹; Hannah Cornett, MS, CCCSLP¹; Mark El-Deiry, MD¹; Christina Shipp, MA, CCCSLP²; ¹Emory University; ²Atlanta VAMC

(P276) USE OF A NEURAL NETWORK TO EVALUATE POSTOPERATIVE COMPLICATIONS AND QUALITY IN THYROID SURGERY.

Hugo F Kohler; Jose G Vartanian; Genival B Carvalho; Luiz P Kowalski; A C Camargo Cancer Center

(P277) SURGICAL FACTORS ASSOCIATED WITH PATIENT-REPORTED QUALITY OF LIFE OUTCOMES AFTER FREE FLAP RECONSTRUCTION OF THE ORAL CAVITY

Joaquin E Jimenez, MD¹; Marci L Nilsen, PhD, RN²; William E Gooding, MS³; Jennifer L Anderson, MD, PhD¹; Nayel I Khan, MD¹; Leila J Mady, MD, PhD¹; Umamaheswar Duvvuri, MD, PhD¹; Seungwon Kim, MD¹; Robert L Ferris, MD, PhD¹; Mario G Solari, MD⁴; Mark W Kubik, MD¹; Jonas T Johnson, MD¹; Shaum Sridharan, MD¹; ¹Department of Otolaryngology - Head & Neck Surgery, University of Pittsburgh Medical Center; ²University of Pittsburgh, School of Nursing, Department of Acute and Tertiary Care; ³Biostatistics Facility, UPMC Hillman Cancer Center; ⁴Department of Plastic Surgery, University of Pittsburgh Medical Center

(P278) NEGATIVE PRESSURE WOUND THERAPY (WOUND VAC) FOR THE TREATMENT OF CHYLOUS FISTULA AFTER NECK DISSECTION: AN EFFECTIVE AND EVOLVING TECHNIQUE

Ashley M Dorneden, MD; Alexis Lopez, MD, MPH; Garth Olson, MD; Nathan Boyd, MD; University of New Mexico School of Medicine

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(P280) QUALITY OF LIFE OUTCOMES OF SECONDARY PHARYNGOPLASTY IN POST-LARYNGECTOMY DYSPHAGIA AND STENOSIS PATIENTS

Arvind K Badhey, MD; [Thomas O'Neil, BS](#); Raisa Tikhtman, MD; David Rule, PhD; Chad Zender, MD; University of Cincinnati College of Medicine

(P281) THE EVOLUTION OF HEAD AND NECK CANCER PATIENT CHARACTERISTICS FOLLOWING PASSAGE OF THE AFFORDABLE CARE ACT

[Dara R Adams, MD](#)¹; Emily Papazian, BS²; Kristine Kuchta, MS³; Cheryl C Nocon, MD³; Mihir K Bhayani, MD⁴; ¹Section of Otolaryngology-Head and Neck Surgery, Department of Surgery, The University of Chicago Medicine, Chicago IL USA; ²Pritzker School of Medicine, The University of Chicago, Chicago IL USA; ³Department of Surgery, NorthShore University HealthSystem, Evanston, Illinois, USA; ⁴Department of Otolaryngology-Head and Neck Surgery, Rush University Medical Center, Chicago IL USA

(P282) POST-OPERATIVE OUTCOMES OF LARYNGECTOMY PATIENTS DISCHARGED TO HOME VS. TO FACILITY

[Christine Park, PAC](#); Daniel Kwon, MD; Brenda Villegas, EdD, SLPCCC; Mark Swanson, MD; Niels Kokot, MD; Uttam Sinha, MD; Keck Hospital of USC

(P283) ACUTE CHANGES IN OROPHARYNGEAL SWALLOWING AFTER RADIATION TO THE SUBMENTAL MUSCLES IN A RODENT MODEL

[Suzanne N King, PhD, CCCSLP](#); Evan Greenwell; Nada Kaissieh; Niya Brewer; Zachary Carter, MS; James Fox, PhD; Megan Blackburn, PhD; University of Louisville

(P284) SAME-DAY VERSUS LATE PERCUTANEOUS ENDOSCOPIC GASTROSTOMY TUBE PLACEMENT IN PATIENTS UNDERGOING HEAD AND NECK CANCER SURGERY

Gregory L Barinsky, PharmD; Corina Din-Lovinescu, DO; Roman Povolotskiy, MD; Jordon G Grube, DO; [Richard C Park, MD](#); Rutgers New Jersey Medical School

(P285) COST-EFFECTIVENESS ANALYSIS OF THE MANAGEMENT OF NONINVASIVE FOLLICULAR THYROID NEOPLASM WITH PAPILLARY-LIKE NUCLEAR FEATURES (NIFTP) AS A BENIGN TUMOR VS. PREVIOUS MANAGEMENT AS AN ENCAPSULATED FOLLICULAR VARIANT OF PAPILLARY THYROID CARCINOMA (EFVPTC)

[Ankita Naraparaju](#)¹; David Liao, MD²; Vikas Mehta, MD³; Gregory Randolph, MD⁴; ¹Albert Einstein College of Medicine; ²Icahn School of Medicine at Mount Sinai; ³Montefiore Medical Center, Department of Otolaryngology, Head & Neck Surgery; ⁴Massachusetts Eye and Ear Infirmary, Harvard Medical School

(P286) MULTICENTER CROSS-SECTIONAL VALIDATION OF THE DUTCH FACE-Q HEAD AND NECK CANCER MODULE

[Dominique de Jel, MD, MSc](#)¹; DA Young-Afat, MD, PhD²; HA Rakhorst, MD, PhD³; R Dirven, MD, PhD¹; Le Smeele, Prof, MD¹; ¹Netherlands Cancer Institute, Antoni van Leeuwenhoek; ²Amsterdam Medical Center, location VUmc; ³Medisch Spectrum Twente/Ziekenhuisgroep Twente

(P287) IMPACT OF PRE-OPERATIVE METABOLIC EQUIVALENT STATUS ON SURGICAL OUTCOMES IN HEAD AND NECK CANCER PATIENTS

Elena Gavrilă, BS; [Gabriela DeVries, MD](#); Maria Masciello, MD; Kunjan Patel, MD; Hafiz Patwa, MD; Joshua Waltonen, MD; James D Browne, MD; Christopher Sullivan, MD; Wake Forest Baptist Hospital

(P289) SWALLOW-RELATED FUNCTIONAL OUTCOMES AND QUALITY OF LIFE IN HEAD AND NECK CANCER

Christina F Kelly, MA, CCCSLP; Hengrui Hu, MS; [Taylor Wilde, MS, CCCSLP](#); Kelly Hansen, MSCCCLP; Ellie Maghami, MD; Virginia Sun, PhD; City of Hope National Medical Center, Duarte, California

(P290) GENIOGLOSSUS MUSCLE STRENGTH TRAINING IN HEAD AND NECK CANCER PATIENTS: EARLY CLINICAL TRIAL RESULTS

[Kaitlyn Edwards, BS, MD](#); Kathryn Hitchcock, MD, PhD; Amy Fullerton, PhD; Deepa Danan, MD, MBA; Peter Dziegielewski, MD; Brian Hughley, MD; Alexa Howell, BAS, CCRP; Paul Davenport, PhD; Natalie Silver, MD; University of Florida

(P291) DOES THE MODE OF PROPHYLACTIC SWALLOWING THERAPY DELIVERY INFLUENCE SWALLOWING OUTCOMES IN PATIENTS UNDERGOING DEFINITIVE CHEMORADIATION FOR HEAD AND NECK CANCER?

Donna S Lundy, PhD, BCSS, FASHA; [Mario A Landera, SLP, MD](#); Zoukaa Sargi, MD; Donald Weed, MD; Michael Samuels, MD; Amanda Demane, MA; Cesar Perez, MD; Deukwoo Kwon, PhD; U of Miami

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(P293) EFFECT OF VIRTUAL REALITY ON PAIN MANAGEMENT AFTER HEAD AND NECK SURGERY: A RANDOMIZED CONTROLLED TRIAL

Vivek Pandrangi, MD; Jennifer Moy, MD; Suparna Shah, MD; Daniel Clayburgh, MD, PhD; Mark K Wax, MD; Peter Andersen, MD; Ryan Li, MD; Oregon Health and Science University

(P294) EVALUATION OF PRESCRIBING PATTERNS AND OPIOID USE IN POST-TREATMENT HEAD & NECK CANCER PATIENTS

Neelam P Phalke, MD; Christine Settoon, MD; Ashley C Mays, MD; LSUHSC New Orleans

(P295) ASSESSMENT OF CT-BASED MUSCLE AND ADIPOSE PHENOTYPES FOR PREDICTION OF PERI-OPERATIVE OUTCOMES IN HEAD AND NECK CANCER

Gabriela DeVries, MD; Elena Gavrilu, BS; Josh Tan, MS; Leon Lenchik, MD; Paul Bunch, MD; Joshua Waltonen, MD; Wake Forest Baptist Hospital

(P296) RISK FACTORS FOR UNPLANNED READMISSION AFTER HEAD AND NECK FREE FLAP RECONSTRUCTION

Alexander M Knops¹; Maureen Murphy, CRNP²; Adam J Luginbuhl, MD²; Howard Krein, MD, PhD²; Ryan Heffelfinger, MD²; Joseph M Curry, MD²; David M Cognetti, MD²; Richard A Goldman, MD²; ¹Sidney Kimmel Medical College, Thomas Jefferson University; ²Department of Otolaryngology - Head and Neck Surgery, Thomas Jefferson University

(P297) THE PROGNOSTIC IMPACT OF DEPRESSION OR DEPRESSIVE SYMPTOMS ON PATIENTS WITH HEAD AND NECK CANCER: A SYSTEMATIC REVIEW AND META-ANALYSIS

Sarah Van der Elst¹; Yonatan Bardash, MD²; Michael Wotman, MD²; Dennis Kraus, MD²; Tristan Tham, MD²; ¹Donald & Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, NY, USA; ²New York Head & Neck Institute, Lenox Hill Hospital, Northwell Health, New York, NY, USA

(P299) FUNCTIONAL OUTCOMES FOLLOWING TRANSORAL ROBOTIC-ASSISTED SURGERY FOR RECURRENT OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Aviva S Mattingly, BA¹; Heather Starmer, MA, CCCSLP, BCSS¹; Michael C Topf, MD²; Vasu Divi, MD¹; Eben L Rosenthal, MD¹; Floyd Christopher Holsinger, MD¹; Fred M Baik, MD¹; ¹Stanford University; ²Vanderbilt University

(P300) EVALUATION OF SARCOPENIA AS A PREDICTOR OF OUTCOMES IN OLDER PATIENTS UNDERGOING HEAD AND NECK CANCER SURGERY

Susannah Orzell, MD, MPH¹; B Verhareen²; R Grewal¹; John de Almeida¹; E Yu²; J Su³; W Xu³; S Alibhai⁴; David Goldstein¹; ¹Department of Otolaryngology Head and Neck Surgery/Surgical Oncology, University Health Network, Princess Margaret Cancer Center, University of Toronto, Toronto, ON, Canada; ²Joint Department of Medical Imaging, University Health Network, Princess Margaret Cancer Center, University of Toronto, Toronto, ON, Canada; ³Department of Biostatistics, Princess Margaret Cancer Center, University of Toronto; ⁴Department of Medicine, University Health Network, Department of Medicine, University of Toronto, Toronto Ontario Canada

(P301) IMPLEMENTATION OF A HEAD AND NECK SURVIVORSHIP PROGRAM IS ASSOCIATED WITH EARLIER IDENTIFICATION OF RADIATION-ASSOCIATED HYPOTHYROIDISM: A SINGLE INSTITUTION COHORT STUDY

Zvonimir Milas, MD; Daniel Carrizosa, MD; Daniel Brickman, MD; Catherine Frenkel, MD; Ashley Stewart, MD; Ashley Sumrall, MD; Brittany Neelands, MS; Sally Trufan, MS; Shwetha Sudhakar, MD; Matthew Ward, MD; Atrium Health

(P302) READMISSION RATES FOLLOWING MAJOR HEAD AND NECK SURGERY WITH CONCURRENT TRACHEOSTOMY

Philip R Brauer, BA¹; Paul C Bryson, MD²; William S Tierney, MD, MS, MS²; Xuefei Jia, MS³; Eric D Lamarre, MD²; ¹Case Western Reserve University School of Medicine; ²Head and Neck Institute, The Cleveland Clinic; ³Taussig Cancer Institute, The Cleveland Clinic

(P304) COMORBID MENTAL HEALTH DISORDERS AND HEAD AND NECK CANCER

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(P305) PATIENT-REPORTED OUTCOMES MEASURES AND SLEEP QUALITY IN HEAD AND NECK CANCER SURVIVORSHIP

Harish Dharmarajan, MD¹; Jymirah Morris, BS²; Jinhong Li, MS³; Karley Atchison, MA¹; Franco Catalano²; Christine Harrison, BS¹; Ryan Soose, MD¹; Jonas T Johnson, MD¹; Marci Lee Nilsen, PhD, RN⁴; ¹University of Pittsburgh, School of Medicine; ²University of Pittsburgh Medical Center; ³University of Pittsburgh, School of Public Health; ⁴University of Pittsburgh, School of Nursing

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(P306) AESTHETIC AND PSYCHOSOCIAL OUTCOMES AFTER MICROVASCULAR RECONSTRUCTION FOR HEAD AND NECK CANCER: A LONG-TERM CROSS-SECTIONAL ANALYSIS

Aaron L Zebolsky; Neil Patel; Chase M Heaton; Andrea Park; Rahul Seth; Philip D Knott; University of California, San Francisco

(P307) THE SUCCESSFUL QUALITY OF LIFE FORMULA FOR LONG TERM HEAD AND NECK CANCER SURVIVORS

Brenda Villegas¹; Uttam K Sinha¹; Laishyang Ouyoung, MS, SLP²; ¹Keck School of Medicine of USC; ²Keck Medical Center of USC

(P309) IS PROGRESSION TO ORAL DIET INITIATION FOLLOWING GLOSSECTOMY WITH RECONSTRUCTION SUBSITE-DEPENDENT?

Rachel L Nagawiecki, MA, CCCSLP; Srinivasa Chandra, MD, BDS, FDSRCS(Eng), FIBCSOMSOncRecon; UNMC

(P310) FLUORESCENCE IMAGING OF OLFACTORY NERVE BY SELECTIVE NAV1.7 SODIUM CHANNEL TARGETED INHIBITOR (HSP1A) IN THE DIAGNOSIS OF SMELL DISORDERS

Dauren Adilbay¹; Junior Gonzales²; Paula Demetrio de Souza Franca²; Snehal Patel¹; Glenn F King³; Thomas Reiner²; ¹Department of Surgery, Memorial Sloan Kettering Cancer Center, New York, NY, USA; ²Department of Radiology, Memorial Sloan Kettering Cancer Center, New York, NY, USA; ³Institute for Molecular Bioscience, The University of Queensland, St Lucia, Queensland ⁴⁰⁷², Australia

(P311) TOTAL LARYNGECTOMY NEGATIVELY IMPACTS OLFACTORY-SPECIFIC QUALITY OF LIFE

Roberto N Solis, MD¹; Mehrnaz Mehrzad¹; Amarbir S Gill, MD²; Cheng Ma³; Angela M Beliveau¹; Toby O Steele, MD¹; Andrew C Birkeland, MD¹; Arnaud F Bewley, MD¹; D G Farwell, MD¹; Marianne Abouyared, MD¹; ¹UC Davis; ²University of Utah; ³Texas Tech University Health Sciences Center El Paso

(P312) OUTCOMES OF TRACHEOESOPHAGEAL PUNCTURE RELATIVE TO SURGICAL PUNCTURE, ABLATIVE AND RECONSTRUCTIVE TECHNIQUE

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(P313) EVALUATING QUALITY OF LIFE AND FUNCTIONAL OUTCOMES IN SALVAGE SURGERY FOR HEAD AND NECK CANCER

John B Riley, DO¹; Amy M Williams, PhD²; K. Arielle Best, MS³; Nitika Tripathi, BS³; Steven S Chang, MD²; Tamer A Ghanem, MD, PhD²; Suhael Momin, MD²; Farzan Siddiqui, MD, PhD, CPE⁴; Vivian F Wu, MD, MPH²; Samantha Tam, MD²; ¹Department of Otolaryngology & Facial Plastic Surgery, Henry Ford Macomb Hospital, Clinton Township, Michigan; ²Department of Otolaryngology-Head and Neck Surgery, Henry Ford Hospital, Detroit, Michigan; ³Wayne State University School of Medicine; ⁴Department of Radiation Oncology, Henry Ford Health System and Henry Ford Cancer Institute, Detroit, Michigan

(P314) INVESTIGATING QUALITY OF LIFE AND PSYCHOSOCIAL OUTCOMES IN POST-TREATMENT HPV-POSITIVE HEAD AND NECK CANCER PATIENTS

Christine Mei; Taylor Hartlein; Torin Thielhelm; Veronica Nunez; Maria Lugo-Fegundo; Elizabeth Nicolli; Donald Weed; Christina Pozo-Kaderman; Donna Lundy; Zoukaa Sargi; University of Miami

(P316) PROPOSED MODIFICATIONS TO THE U.S. NATIONAL COMPREHENSIVE CANCER NETWORK'S CARE MODELS FOR ADVANCED CANCERS OF THE HEAD AND NECK

Abhinav S Komandur, MPH¹; Mohammed Moola, MBBCh²; Boitumelo Mogale, MBBCh²; Thanyani Magwaba, MD²; Heather Weinreich, MD, MPH¹; Barry L Wenig, MD, MPH, FACS¹; ¹University of Illinois College of Medicine; ²Leratong Hospital

(P317) STRUCTURAL MONITORING PATIENT REPORTED OUTCOME IN PALLIATIVE HEAD AND NECK CANCER CARE, WHAT CAN WE LEARN TO IMPROVE PATIENT CENTERED CARE?

Maarten Dorr, MD; Aniel Sewnaik, MD, PhD; Diako Berzenji, BSc; Tim Grevelink, MSc; Robert Baatenburg de Jong, Prof, MD, PhD; Marinella Offerman, PhD; Erasmus Medical Center

(P318) USE OF THE CLAVIEN-DINDO CLASSIFICATION OF SURGICAL COMPLICATIONS IN NEOADJUVANT IMMUNOTHERAPY CLINICAL TRIALS FOR HEAD AND NECK CANCER

Marcus A Couey, MD, DDS; Rom S Leidner, MD; Ashish A Patel, MD, DDS; Allen Cheng, MD, DDS; Phillip Harrison, MD, DDS; George Morris, BSN; Lessli Rushforth, RN; R. Bryan Bell, MD, DDS; Earle A. Chiles Research Institute in the Robert W. Franz Cancer Center, Providence Cancer Institute

(P319) GERIATRIC ASSESSMENT AND DETERIORATION OF HEALTH-RELATED QUALITY OF LIFE AFTER TREATMENT FOR HEAD AND NECK CANCER

J de Vries; L Bras; G Sidorenkov; M J Witjes; R J Steenbakkers; J A Langendijk; G H de Bock; G B Halmos; University Medical Center Groningen

POSTER LISTINGS

(P321) EVOLVING LATE-EFFECTS IN 15-YEAR SURVIVORS OF MULTIMODALITY HEAD AND NECK CANCER TREATMENT: A QUALITATIVE STUDY

Lauren M North, MD; Kristina Kaljo, PhD; Becky L Massey, MD; Michael E Stadler, MD; Joseph E Zenga, MD; Christy B Erbe; Bruce H Campbell, MD; Medical College of Wisconsin

(P322) NEEDS ASSESSMENT OF HEAD AND NECK CANCER SURVIVORS

Joanna W Bodmann, MSN, APRNCNP¹; Bridgett A Harr, MSN, APRNCNP¹; Chandana A Reddy, MS¹; Jessica L Geiger, MD¹; Larisa Schwartzman¹; Shlomo A Koyfman, MD¹; Neil M Woody, MD¹; Nikhil P Joshi, MD²; David J Adelstein, MD¹; ¹Cleveland Clinic; ²Rush University

(P323) EXAMINING FINANCIAL TOXICITY THROUGHOUT HEAD AND NECK CANCER SURVIVORSHIP: A LONGITUDINAL STUDY

Khalil Baddour, MD¹; Vusala Snyder, MD, MS¹; Mark Fadel, MD, JD¹; Lauren D Kudrick, MA²; Aakriti Neopane³; Alexis Warden, PAC⁴; Teresa H Thomas, PhD, BA, R⁵; Lindsay M Sabik, PhD⁶; Marci L Nilsen, PhD, RN⁷; , Umamaheswar Duvvuri, MD, PhD¹; Seungwon Kim, MD¹; Mark W Kubik, MD¹; Shaum Sridharan, MD¹; Jonas T Johnson, MD¹; Robert L Ferris, MD, PhD¹; Leila J Mady, MD, PhD, MPH⁸; ¹Department of Otolaryngology, University of Pittsburgh School of Medicine; ²Department of Medicine, University of Pittsburgh School of Medicine; ³University of Pittsburgh, Pittsburgh, PA, United States; ⁴UPMC Hillman Cancer Center; ⁵Department of Health Promotion and Development, University of Pittsburgh School of Nursing; ⁶Department of Health Policy and Management, University of Pittsburgh School of Public Health; ⁷Department of Acute and Tertiary Care, University of Pittsburgh School of Nursing; ⁸Department of Otorhinolaryngology – Head and Neck Surgery, University of Pennsylvania

(P324) IMPACT OF AN ENHANCED RECOVERY AFTER SURGERY PROTOCOL ON PERIOPERATIVE SURGICAL OUTCOMES

Alysha Rasool, MD; Joshua Nicholas, MD; Steven Nakoneshny, BSc; Vanessa Doiron, RN; Shamir P Chandarana, MD, MSc; T W Matthews, MD; Robert D Hart, MD; Christiaan Schrag, MD; Jennifer Matthews, MD; C D McKenzie; Philippe Couillard, MD; Alan Lee, MD; Joseph C Dort; University of Calgary

(P325) A SIMPLE, QUICK, AND EFFECTIVE METHOD OF DISPLAYING SPECIMENS FOR PATHOLOGICAL ORIENTATION

Yuna Kim, MD¹; Robert C Wang, MD, FACS¹; Oluwafunmilola Okuyemi, MD, MSCI, FACS¹; Jo-Lawrence M Bigcas¹; Jacob Kahane, MD¹; David Coon, MD²; ¹UNLV; ²None

(P326) SWALLOWING OUTCOMES FOLLOWING PRIMARY TOTAL LARYNGECTOMY

Mario Belfiglio, BS¹; Maxwell Y Lee, BS¹; Aiman J Faruqi, BS¹; Michelle Adessa, BM, MS, CCCSLP²; Christopher Fleming, MD³; Shlomo A Koyfman, MD³; Nikhil P Joshi, MD⁴; Jamie Ku, MD²; Joseph Scharpf, MD²; Brian B Burkey, MD²; Eric Lamarre, MD²; Brandon Prendes, MD²; Robert R Lorenz, MD²; Joann Kmiecik, MA, CCCSLP²; Beth Hohman, MS, CCCSLP²; Neil M Woody, MD³; Deborah Chute, MD⁵; David J Adelstein, MD⁶; Jessica L Geiger, MD⁶; Paul C Bryson, MD²; ¹Cleveland Clinic Lerner College of Medicine; ²Cleveland Clinic, Head and Neck Institute; ³Cleveland Clinic, Taussig Cancer Institute, Department of Radiation Oncology; ⁴Rush University, Department of Radiation Oncology; ⁵Cleveland Clinic, Department of Pathology; ⁶Cleveland Clinic, Taussig Cancer Institute, Department of Hematology and Medical Oncology

(P327) THE EFFICACY OF TOPICAL FIBRIN SEALANT IN THE REDUCTION OF POST-OPERATIVE PAIN AFTER TRANSORAL SURGERY

Aiman Sajjad, MSIII¹; Ryan H Sobel, MD²; ¹Nova Southeastern University Kiran C. Patel College of Osteopathic Medicine, Fort Lauderdale, Florida, U.S.A.; ²Head & Neck Surgery and Oncology at Broward Health, Broward Health Medical Center, Fort Lauderdale, Florida, U.S.A.

Hypopharynx / Larynx Poster Abstracts

(P328) SWALLOWING OUTCOMES FOLLOWING RECONSTRUCTION OF TOTAL LARYNGECTOMY DEFECTS WITH TUBED VERSUS PATCH FREE FLAPS

Alyssa K Ovatt, MD¹; Christopher Gentile, MD¹; Jake Owen²; Ashwini Tilak, MD¹; Jessica W Grayson, MD¹; Benjamin Greene, MD¹; ¹University of Alabama at Birmingham Hospital; ²University of Alabama at Birmingham School of Medicine

(P329) CAN RED BLOOD CELL DISTRIBUTION WIDTH PREDICT LARYNGECTOMY COMPLICATIONS OR SURVIVAL OUTCOMES?

Christopher B Sullivan, MD; Kathryn Marcus, BS; Zaid Al-Qurayshi, MD, MS; Marisa Buchakjian, MD, PhD; University of Iowa

POSTER LISTINGS

(P330) POSTOPERATIVE LARYNX US IS MORE COST-EFFECTIVE THAN ROUTINE LARYNGOSCOPY AFTER THYROIDECTOMY TO DETECT VOCAL CORD PARALYSIS. A COMPARISON OF TWO HEALTH SYSTEMS.

Alvaro Sanabria, MD, MSc, PhD¹; Adonis Ramirez, MD²; Juan Sanchez, MD²; Julio Valencia, MD³; Carlos Garcia, MD⁴; Carolina Valencia, MD²; Daniela Valdes, MD²; ¹Department of Surgery. Universidad de Antioquia. Centro de Excelencia en Cirugia de Cabeza y Cuello. Medellin, Colombia; ²Department of Surgery. Universidad de Antioquia. Medellin, Colombia; ³Hospital Pablo Tobon Uribe, Medellin, Colombia; ⁴IPS Universitaria-Clinica Leon XIII, Medellin, Colombia

(P331) INDUCTION CHEMOSELECTION FOR PATIENTS WITH ADVANCED LARYNGEAL SQUAMOUS CELL CARCINOMA: AN UPDATE

William J Benjamin, MPH¹; Allen L Feng, MD¹; Molly E Heft Neal, MD¹; Emily Bellile, MS²; Hassan B Nasser, MD¹; Michelle L Mierzwa, MD³; Keith A Casper, MD¹; Kelly M Malloy, MD¹; Andrew J Rosko, MD¹; Chaz L Stucken, MD¹; Avraham Einsbruch, MD³; Carol R Bradford, MD⁴; Mark E Prince, MD¹; Matthew E Spector, MD¹; Gregory T Wolf, MD¹; Paul L Swiecicki, MD⁵; Francis P Worden, MD⁵; Steven B Chinn, MD, MPH¹; ¹Department of Otolaryngology - Head and Neck Surgery, University of Michigan, Ann Arbor, MI, USA; ²Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; ³Department of Radiation Oncology, University of Michigan, Ann Arbor, MI, USA; ⁴Department of Otolaryngology - Head and Neck Surgery, The Ohio State University, OH, USA; ⁵Department of Medical Oncology, University of Michigan, Ann Arbor, USA

(P333) MUCOEPIDERMOID CARCINOMA OF THE LARYNX: A SYSTEMATIC REVIEW

Chris C Tseng, BS; Jeff Gao, BS; Guy Talmor, MD; Brandon Nguyen, MD; Mayand Vakil, MD; Peter Ashman, MD; Rachel Kaye, MD; Rutgers

(P335) COMPRESSIVE NECK DRESSING IN IMMEDIATE POST-LARYNGECTOMY PERIOD TO REDUCE PHARYNGOCUTANEOUS FISTULA RATE

Tam Ramsey; Katherine Webb; Desai Vilok; Gillian Ridler; Shivaali Maddali; Neil Gildener-Leapman; Lisa Galati; Albany Medical Center

(P336) PROTOCOLIZED AWAKE SECONDARY TEP PLACEMENT WITH IMMEDIATE VOICING

Taha Mur¹; Connor O'Boyle²; Daniel Faden³; ¹Boston University Medical Center - Otolaryngology Head and Neck Surgery; ²Harvard Medical School, Boston, MA, United States; ³Massachusetts Eye and Ear, Boston, MA, United States

(P337) FREE FLAP RECONSTRUCTION IN SALVAGE LARYNGECTOMY: SURGICAL AND FUNCTIONAL OUTCOMES IN A MULTI-INSTITUTIONAL STUDY

Peter T Dziegielewski, MD, FRCSC¹; Dustin Conrad, MD, FRCSC¹; Han Zhang, MD, FRCSC²; Hadi Seikaly³; Deepa Danan, MD¹; Brian Hughley, MD¹; ¹University of Florida; ²McMaster University; ³University of Alberta

(P338) PHARYNGEAL RECONSTRUCTION AFTER LARYNGOPHARYNGECTOMY: A HISTORICAL PERSPECTIVE

Joseph Goodman, MD¹; Melonie Nance, MD²; Jeffrey Spiro, MD³; ¹The George Washington University; ²University of Pittsburgh School of Medicine; ³University of Connecticut Health Center

(P339) LARYNGECTOMY-FREE SURVIVAL AFTER SALVAGE PARTIAL LARYNGECTOMY: A SYSTEMATIC REVIEW AND A META-ANALYSIS

Anton Warshavsky; Udi Shapira; Nidal Muhanna; Omer Ungar; Narin Nard-Carmel; Avraham Abergel; Ahmad Safadi; Gilad Horowitz; Tel-Aviv Sourasky Medical Center,

(P341) HYPOPHARYNGEAL SQUAMOUS CELL CARCINOMA: OUTCOMES FROM A TERTIARY CARE CENTER

Shivangi Lohia, MD; Stephanie Flukes, MBSS, BSc; Jennifer Cracchiolo, MD; Nancy Lee, MD; Lara Dunn, MD; Snehal Patel, MD; Jatin P Shah, MD; Richard Wong, MD; Ian Ganly, MD, PhD; Marc A Cohen, MD, MPH; Memorial Sloan Kettering Cancer Center

(P343) TUMOR VOLUME AS A PREDICTOR OF SURVIVAL IN ADVANCED LARYNGEAL CANCER TREATED WITH TOTAL LARYNGECTOMY

Marna A List, BS; Spencer Nichols, BS; Danny DeJesus, MD; Tara C Massini, MD; William Mendenhall, MD; Deepa Danan, MD, MBA; Robert Amdur, MD; Kathryn Hitchcock, MD, PhD; Brian Hughley, MD; Jing Zhao, MS; Ji-Hyun Lee, PhD; Peter T Dziegielewski, MD, FRCSC; University of Florida College of Medicine

(P344) MUCOEPIDERMOID CARCINOMAS OF THE LARYNX

Holden Richards, BA¹; Bronwyn Hamilton, MD²; David Sauer, MD³; Caitlin Bertelsen, MD⁴; Joshua Schindler, MD⁴; ¹Oregon Health and Science University School of Medicine; ²Department of Diagnostic Radiology, Oregon Health and Science University; ³Department of Pathology, Oregon Health and Science University; ⁴Department of Otolaryngology/Head and Neck Surgery, Oregon Health and Science University

POSTER LISTINGS

(P345) TREATMENT AND SURVIVAL IN T3 LARYNGEAL CARCINOMA WITH VOCAL CORD FIXATION

Miranda R Lindburg, MD; Angela Mazul, PhD, MPH; Sean Massa, MD; Washington University

(P346) SURVIVAL AND FUNCTIONAL OUTCOMES OF PATIENTS WITH LOCALLY ADVANCED LARYNGEAL SQUAMOUS CELL CARCINOMAS (SCC) TREATED WITH SURGERY FOLLOWED BY ADJUVANT TREATMENT: A 15-YEAR EXPERIENCE OF A TERTIARY HOSPITAL IN SINGAPORE.

Jerome Ong, MBBS, MRCS; Jereme Y Gan, MBBS, MMed, FAMS; Ernest WZ Fu, MBBS (Singapore), MRCS (Edinburgh), M Med (ORL), FAMS (ORL); Li Hao, MBBS, MMED (Otorhinolaryngology), MCI; Chien Joo Lim, MSc; Ming Yann Lim, MBBS, MMed, FAMS; Tan Tock Seng Hospital

(P347) PROGNOSTIC VALUE OF COMPUTED TOMOGRAPHY SCAN DETECTION OF CARTILAGE INVASION IN ADVANCED LARYNGEAL CANCER TREATED WITH PRIMARY TOTAL LARYNGECTOMY

Maxwell Y Lee¹; Jonathan Lee²; Sarah Stock²; Mario Belfiglio¹; Brian Matia³; Shlomo Koyfman⁴; Nikhil P Joshi⁵; Brian B Burkey³; Eric Lamarre³; Brandon Prendes³; Joseph Scharpf³; Robert R Lorenz³; Neil M Woody⁴; David J Adelstein⁶; Jessica L Geiger⁶; Deborah J Chute⁷; Jamie A Ku³; ¹Cleveland Clinic Lerner College of Medicine; ²Imaging Institute, Cleveland Clinic; ³Head and Neck Institute, Cleveland Clinic Foundation; ⁴Department of Radiation Oncology, Taussig Cancer Institute, Cleveland Clinic; ⁵Department of Radiation Oncology, Rush University Cancer Center; ⁶Department of Hematology and Medical Oncology, Taussig Cancer Institute, Cleveland Clinic; ⁷Department of Pathology, Cleveland Clinic

(P348) INTRA-OPERATIVE MARGIN DIAGNOSIS DURING TRANSORAL LASER MICROSURGERY FOR GLOTTIC CANCER PREVENTS MUCOSAL RECURRENCE.

Koji Araki; Naoya Yamazaki; Masayuki Tomifuji; Kosuke Uno; Shotaro Hirokawa; Akihiro Shiotani; National Defense Medical College

(P349) RADIO-ACTIVE SWALLOW IN PATIENTS TREATED WITH SUBTOTAL-SUPRACRICOID-LARYNGECTOMY AND CHEP (STSC-L-CHP)

Francisco Gallegos, MD¹; Jose Abrego, MD¹; Alma-Lilia Ortiz, MD¹; Luis Correa, MD²; Manuel González, MD¹; ¹Head & Neck Department. Hospital de Oncología. IMSS. Mexico City; ²Nuclear Medicine Department. Hospital de Oncología.

(P350) FREE FLAP RECONSTRUCTION IN PRIMARY LARYNGECTOMY: SURGICAL AND FUNCTIONAL OUTCOMES IN A MULTI-INSTITUTIONAL STUDY

Dustin Conrad, MD, FRCSC¹; Han Zhang, MD, FRCSC²; Deepa Danan, MD¹; Brian Hughley, MD¹; Hadi Seikaly, MD, FRCSC³; Peter T Dziegielewski, MD, FRCSC¹; ¹University of Florida; ²McMaster University; ³University of Alberta

(P353) ONCOLOGIC OUTCOMES AND PATTERNS OF OCCULT NODAL METASTASIS AFTER SALVAGE LARYNGECTOMY

Jennifer H Gross; Matthew B Studer; Jeffrey M Switchenko; Mark El-Deiry; H M Baddour; Brian J Boyce; Clementino A Solares; Merry E Sebelik; Amy Y Chen; Azeem S Kaka; Nicole C Schmitt; Kelly S Magliocca; Mihir R Patel; Emory University

(P354) LARYNGEAL CHONDROSARCOMA: LONG TERM OUTCOMES AFTER CONSERVATION LARYNGEAL SURGERY

Diana N Kirke, MD¹; Eliezer C Kinberg¹; Kristiana Jordan²; Clark Rosen, MD²; Mark Courey¹; ¹Mount Sinai Hospital; ²University of California, San Francisco

(P355) DOES OBESITY AFFECT OUTCOMES AFTER TOTAL LARYNGECTOMY?

Gregory L Barinsky, PharmD; Roman Povolotskiy, MD; Amishav Y Bresler, MD; Soly Baredes, MD; Dylan F Roden, MD, MPH; Richard C Park, MD; Rutgers New Jersey Medical School

(P356) TRANSORAL ROBOTIC SURGICAL RESECTION FOR PHARYNGEAL AND LARYNGEAL CANCERS WITHOUT THE NEED FOR NECK DISSECTION

Chun-Hsiang Chang, MD; Kuang-Hsi Chang, PhD; Stella Tsai, MD, PhD, FACS; Tungs' Taichung MetroHarbor Hospital

(P357) LARYNGEAL MALIGNANCIES IN FLORIDA FROM 1982-2016: AN EPIDEMIOLOGICAL STUDY

Matthew Gliksman, MD¹; Daniel Segarra²; Saif Zaman²; Ethan Song²; Christopher Nickel, MD¹; Tapan Padhya, MD¹; Matthew Mifsud, MD¹; ¹Department of Otolaryngology - Head and Neck Surgery, University of South Florida Morsani College of Medicine; ²University of South Florida Morsani College of Medicine

(P359) COMPLICATIONS IN TOTAL LARYNGECTOMY AT THE NATIONAL CANCER INSTITUTE OF MEXICO

Antonio Gomez-Pedraza, MD¹; Luis Enrique Soto Ortega, MD²; Mariana I Herrera-Guerrero, MD³; ¹INSTITUTO NACIONAL DE CANCEROLOGIA MEXICO; ²Hospital central militar; ³CENTRO MEDICO ABC

(P360) ROBOTIC SURGERY IMPROVES OVERALL SURVIVAL FOR T1 AND T2 TUMORS OF THE HYPOPHARYNX

Andrey Finegersh; Rohith Voora; Bharat Panuganti; Farhoud Faraji; Ryan Orosco; UCSD

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(P361) DISSECTION OF THE PARATRACHEAL NODES IN ADVANCED LARYNGEAL CANCER: DOES IT MAKE A DIFFERENCE

Jure Orel; Janez Mohorko; Bostjan Lanisnik, PhD; Bogdan Cizmarevic, PhD; University clinical center Maribor

(P362) DISPARITIES IN MANAGEMENT AND SURVIVAL FOR T4 LARYNX SQUAMOUS CELL CARCINOMA

Catherine H Frenkel, MD; Daniel S Brickman, MD; Sally J Trufan, MS; Matthew C Ward, MD; Benjamin J Moeller, MD; Daniel R Carrizosa, MD; Ashley L Sumrall, MD; Zvonimir L Milas; Atrium Health, Levine Cancer Institute

(P363) A DESCRIPTIVE STUDY ON VOICE EVALUATION OF PATIENTS WITH ADDUCTOR SPASMODIC DYSPHONIA WHO UNDERWENT THYROPLASTY TYPE II

Geoffrey John S Hizon, MD; Celso V Ureta, MD; John B Espina, MD; Veterans Memorial Medical Center

Imaging and Screening Poster Abstracts

(P364) ASSESSMENT OF MALNUTRITION AND RELATED COMORBIDITIES IN HEAD AND NECK CANCER PATIENTS

Jamil A Hayden, BA; James A Leonard, MD; Priyanka S Tripuraneni, BS; Jonathan P Giurintano, MD; MedStar Georgetown University Hospital

(P365) EXCISIONAL CERVICAL LYMPH NODE BIOPSY IN PATIENTS AGED 15-25: OUTCOMES AND PROGNOSTIC INDICATORS

Vedang Patel, BA; Joseph Conduff, MD; Andrew Prince, MD; Samip Patel, MD; Jeffrey M Blumberg, MD; University of North Carolina at Chapel Hill

(P366) INTRAOPERATIVE USE OF THE OPTICAL TISSUE IMAGING SYSTEM (OTIS) FOR ORAL CAVITY AND OROPHARYNGEAL TISSUE: EVALUATION OF MICROSTRUCTURE USING WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY (WF-OCT)

Arvind K Badhey¹; Julia Schwarz²; Benjamin Laitman²; Brandon Veremis²; William Westra²; Mike Yao³; Marita Teng²; Eric Genden²; Brett Miles²; ¹University of Cincinnati; ²Icahn School of Medicine at Mount Sinai; ³Westchester Medical Center

(P367) IMAGING BIOMARKERS TO PREDICT RESPONSE TO IMMUNE CHECKPOINT INHIBITOR THERAPY IN HEAD AND NECK CANCER

Robert Saddawi-Konefka, MD, PhD; Aaron Simon, MD, PhD; J. Silvio Gutkind, PhD; Loren Mell, MD; UC San Diego

(P368) IMAGING SURVEILLANCE IN PATIENTS WITH SURGICALLY TREATED HEAD AND NECK PARAGANGLIOMAS

Eric Babajanian, MD¹; Derek Woodruff, BS²; Hilary McCrary, MD, MPH¹; Anne Naumer, MS³; Luke Buchmann, MD¹; ¹Division of Otolaryngology-Head and Neck Surgery, Department of Surgery, University of Utah School of Medicine; ²University of Utah School of Medicine; ³Genetic Counseling Shared Resource, Huntsman Cancer Institute, University of Utah

(P369) CREATION OF A MOBILE CLINIC SPACE FOR ORAL CANCER SCREENING

Kate Clancy, MD; Chelsea Hamill, MD; Akina Tamaki, MD; Nicole M Fowler, MD; University Hospitals Cleveland Medical Center

(P370) DEEP LEARNING ALGORITHM FOR AUTOMATED CLASSIFICATION OF HIGH RISK ORAL POTENTIALLY MALIGNANT LESION USING OPTICAL COHERENCE TOMOGRAPHY

Bonney L James¹; Emon Heidari, PhD²; Sumsum P Sunny, MDS, PGD³; Ravindra D R¹; Subhashini A R, MDS⁴; Keerthi G, MDS⁴; Shubha G, MDS⁴; Uma K, MDS⁴; Anne Tran²; Tracie Lam²; Zhongping Chen²; Naveen Hedne, MS³; Vivek Shetty, MS³; Darshat Shah⁵; Nameeta Shah, PhD⁵; Vijay Pillai, MDS³; Praveen B N, MDS, PhD⁴; Petra Wilder-Smith, DDS, PhD²; Amritha Suresh, PhD¹; Moni A Kuriakose, MD³; ¹Integrated Head and Neck Oncology Research Program, Mazumdar Shaw Center for Translational Research, MSMF, Bangalore, India; ²Beckman Laser Institute, University of California, Irvine; ³Head and Neck Oncology, Mazumdar Shaw Medical Center, Bangalore, India; ⁴KLES Institute of Dental Sciences, Bangalore, India; ⁵Mazumdar Shaw Medical Foundation, NH Health City, Bangalore, India

(P371) FIELD VALIDATION OF SMARTPHONE-BASED PORTABLE POINT-OF-CARE DIAGNOSTIC TOOL WITH ARTIFICIAL NEURAL NETWORK FOR EARLY DETECTION OF ORAL CANCER IN LOW RESOURCE SETTINGS

Praveen B N, MDS, PhD¹; Bofan Song, PhD²; Sumsum Sunny, MDS, PGD³; Keerthi G, MDS¹; Pramila Mendonca, MDS³; Nirza Mukhia, MDS¹; Shaobai Li²; Sanjana Patrick, MDS⁴; Shubha Gurudath, MDS¹; Subhashini Raghavan, MDS¹; Tsusennaro A, MD⁵; Shirley T Leivon, MD⁵; Trupti Kolar, MDS³; Vivek Shetty, MS³; Vidya Bushan, MS³; Narayan Subramanyan, MS³; Rohan Ramesh, MD⁵; Vijay Pillai, MDS³; Alben Sigamani, MD³; Amritha Suresh, PhD⁶; Rongguang Liang, PhD²; Moni A Kuriakose, MD³; ¹KLE Society's Institute of Dental Sciences, Bangalore, India; ²College of Optical Sciences, The University of Arizona, Tucson, Arizona, United States of America; ³Mazumdar Shaw Medical Center, Narayana Health City, Bangalore, India; ⁴Biocon Foundation; ⁵CIHSR, Dimapur, Nagaland, India; ⁶Mazumdar Shaw Medical Foundation, Narayana Health city, Bangalore, India

POSTER LISTINGS

(P372) INDIVIDUAL HEAD AND NECK SCREENING: INITIATING A DIALOGUE ABOUT BEST APPROACH

Virginie Achim, MD, FACS; [Kyle J Kozak, BA](#); University of Illinois Chicago

(P374) NOVEL CT IMAGING CHARACTERISTICS TO DETECT OCCULT NODAL METASTASIS IN ORAL CAVITY SQUAMOUS CELL CARCINOMA

[Megan Morisada, MD](#); Abdissalam Hassan; Roberto N Solis, MD; Marianne Abouyared, MD; Andrew Birkeland, MD; D G Farwell, MD; Vladimir Ivanovic, MD; Arnaud F Bewley, MD; UC Davis

(P376) PRE-TREATMENT PREDICTION OF EXTRANODAL EXTENSION IN HEAD AND NECK CANCER USING MACHINE LEARNING AND RADIOMICS

[Molly Heft Neal](#); Benjamin Rosen; Noah Mathis; Mohannad Ibrahim; Steven Chinn; University of Michigan

(P377) RADIOLOGIC-PATHOLOGIC CORRELATION OF MAJOR VS. MINOR EXTRANODAL EXTENSION IN ORAL CAVITY SQUAMOUS CELL CARCINOMA

[Michael A Blasco, MD¹](#); Christopher W Noel, MD¹; Tra Truong, MD²; Shao Hui Huang, MD, MSc¹; Eugene Yu, MD¹; Eric Bartlett, MD¹; Ilan Weinreb, MD¹; Bayardo Perez-Ordóñez, MD¹; John de Almeida, MD, MSc, FRCSC¹; ¹Princess Margaret Cancer Centre/ University Health Network, University of Toronto; ²University of Toronto

(P378) EFFICACY OF ULTRASOUND-GUIDED ETHANOL SCLEROTHERAPY FOR CONGENITAL CYSTS OF THE HEAD AND NECK

Lilun Li, MD¹; [Esther Lee²](#); Ashley Lloyd, MD¹; Jane Tong³; Joseph Goodman, MD¹; Punam Thakkar, MD¹; Arjun Joshi, MD¹; ¹George Washington University School of Medicine and Health Sciences; ²Western University of Health Sciences; ³Drexel University College of Medicine

(P379) TOPICAL APPLICATION OF PLASMID-BASED RINSE FOR ORAL CANCER SCREENING.

Joshua J Kain, MD¹; John Ahn, MD²; Angela D Haskins, MD³; Anthony Morlandt, DMD, MD⁴; Kirk Withrow, MD⁵; Yolanda Hartman, BS⁵; Yedeh Ying, DMD, MD⁴; Jason Warram, PhD⁵; [Luke Bailey, MD⁵](#); William R Carroll, MD⁵; ¹University of California-Davis; ²Department of Anesthesiology- University of Alabama at Birmingham; ³Department of Otolaryngology- Baylor College of Medicine; ⁴Department of Oral & Maxillofacial Surgery- UAB; ⁵Department of Otolaryngology- University of Alabama at Birmingham

(P380) INTRAOPERATIVE LABEL-FREE FLUORESCENCE LIFETIME IMAGING FOR REAL-TIME DELINEATION OF OROPHARYNGEAL CARCINOMA OF UNKNOWN PRIMARY ORIGIN

Brent W Weyers, BS¹; Mark A Marsden, PhD¹; Andrew C Birkeland, MD²; Roberto P Frusciante, BS¹; Julien Bec, PhD¹; Athena K Tam¹; Dorina Gui, MD, PhD³; Arnaud F Bewley, MD²; Marianne Abouyared, MD²; Laura Marcu, PhD⁴; [D. Gregory Farwell, MD, FACS²](#); ¹University of California, Davis - Department of Biomedical Engineering; ²University of California, Davis - Department of Otolaryngology - Head & Neck Surgery; ³University of California, Davis - Department of Pathology and Laboratory Medicine; ⁴University of California, Davis - Departments of Biomedical Engineering and Neurological Surgery

(P381) ASSESSMENT OF FRAILTY IN HEAD AND NECK CANCER PATIENTS

Priyanka S Tripuraneni, BS; [James A Leonard, MD](#); Jamil A Hayden, BA; Jonathan P Giurintano, MD; MedStar Georgetown University Hospital

(P382) THE UTILITY OF LATERAL PAROTID FASCIA IN LOCALIZING DEEP VERSUS SUPERFICIAL PAROTID TUMORS

Alysha Rasool, MD; Elias Pretorius, MD; John T Lysack, MD; Shamir P Chandarana, MD, MSc; T W Matthews, MD; [Michael Deutschmann, MD](#); University of Calgary

(P383) USING THE PHQ2/9 QUESTIONNAIRE TO IMPROVE DEPRESSION SCREENING IN SURVIVORSHIP FOR HEAD AND NECK CANCER PATIENTS

[Beverly Garber, MSN, NP](#); Angela Beliveau, MPH, CCRP; Andrew Birkeland, MD; Arnaud Bewley, MD; D. Gregory Farwell, MD; Marianne Abouyared, MD; UC Davis Health

(P384) THE VALUE OF SERUM P53 ANTIBODY AS A BIOMARKER IN ORAL AND PHARYNGEAL SQUAMOUS CELL CARCINOMA.

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(P385) THE FEASIBILITY OF FLUORESCENT IMAGE-GUIDED TRANSORAL ROBOTIC SURGERY FOR HPV+ OROPHARYNGEAL CANCER

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(P386) INTRAOPERATIVE SENTINEL MARGIN IDENTIFICATION USING FLUORESCENT MOLECULAR IMAGING

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(P387) OPTICAL IMAGING TO OPTIMIZE BIOPSY SITE SELECTION

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(P388) OPTICAL IMAGING OF FINE NEEDLE ASPIRATION SAMPLES FOR SPECIMEN ADEQUACY - A PROOF OF CONCEPT STUDY.

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(P389) COMPUTED TOMOGRAPHY SCREENING FOR LUNG CANCER AFTER HEAD AND NECK CANCER: SECONDARY ANALYSIS OF A RANDOMIZED TRIAL

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(P390) UTILITY OF ULTRASOUND EXAMINATION FOR NECK SURVEILLANCE IN TREATED HEAD AND NECK SQUAMOUS CELL CARCINOMA AT A SINGLE INSTITUTION

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(P391) PRELIMINARY RESULTS OF THE IMPACCT (IMAGING, PATHOLOGICAL & CLINICAL CORRELATION IN THYROID) STUDY TOWARDS IMPROVING DIAGNOSTIC ACCURACY IN THYROID NODULES

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(P392) LYMPHOSCINTIGRAPHY AND SPECT-CT AS AN EFFECTIVE TOOL FOR EARLY DETECTION OF SENTINEL LYMPH NODE IN ORAL CARCINOMA

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Immunotherapy / Systemic Therapy Poster Abstracts

(P393) SENESCENCE IS THE MAJOR MECHANISM OF CIRCULATING CD8+ T CELL DYSFUNCTION IN AGING HEAD AND NECK CANCER PATIENTS

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(P394) SURGICAL COMPLICATIONS IN HNSCC PATIENTS ON ANTI-PD1 THERAPY: THE IMPACT OF PERFORMANCE STATUS

Olivia A Do, BS; Hannan A Qureshi, MD; Cristina P Rodriguez, MD; Brittany R Barber, MD; Jeffery J Houlton, MD; University of Washington

(P395) INTEGRATING CD4+ T CELL HELP IN THERAPEUTIC NEOANTIGEN VACCINATION FOR HEAD AND NECK CANCER

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(P396) THE REVERSAL OF IMMUNE EXCLUSION MEDIATED BY TADALAFIL AND AN ANTI-TUMOR VACCINE ALSO INDUCES PDL1 UP REGULATION IN RECURRENT HEAD AND NECK SQUAMOUS CELL CARCINOMA: FINAL ANALYSIS INCLUDING CLINICAL OUTCOMES OF A PHASE I CLINICAL TRIAL

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(P397) A PHASE 2 CLINICAL TRIAL OF ALKS 4230 COMBINED WITH PEMBROLIZUMAB IN PATIENTS WITH RECURRENT/METASTATIC HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC): THE ION-01 TRIAL

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(P398) RM-1929 PHOTOIMMUNOTHERAPY IN PATIENTS WITH LOCOREGIONAL, RECURRENT HEAD AND NECK SQUAMOUS CELL CARCINOMA (RHNSCC): EFFICACY AND SAFETY RESULTS FROM A SUBGROUP ANALYSIS IN ANTI-PD1 TREATED AND ANTI-PD1 NAÏVE PATIENTS

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(P399) A PHASE I STUDY EVALUATING NBTXR3 ACTIVATED BY RADIOTHERAPY IN COMBINATION WITH NIVOLUMAB OR PEMBROLIZUMAB IN PATIENTS WITH ADVANCED CANCERS

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(P400) CLINICAL PREDICTORS OF TREATMENT AND SURVIVAL OUTCOMES IN DISTANT METASTATIC HEAD AND NECK CANCER: A MULTICENTER REVIEW

Craig A Bollig, MD¹; Chris I Newberry, MD²; Tabitha L I Galloway, MD³; Robert P Zitsch, III, MD³; Elyse K Hanly, MD, PhD⁴; Vivian I Zhu, MD⁴; Nitin Pagedar, MD, MPH⁴; Rohit Nallani, MD⁵; Andres Bur, MD⁵; William C Spanos, MD⁶; Jeffrey B Jorgensen, MD⁷; ¹Rutgers Robert Wood Johnson Medical School; ²Washington University in St. Louis; ³University of Missouri; ⁴University of Iowa; ⁵University of Kansas; ⁶Sanford Cancer Center; ⁷University of Louisville

(P401) FDG-PET IDENTIFIES PATHOLOGICAL RESPONSES EARLY UPON NEOADJUVANT IMMUNE CHECKPOINT BLOCKADE IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Joris L Vos; Laura A Smit; Jan Paul de Boer; Abraham Al-Mamgani; John B Haanen; Charlotte L Zuur; Wouter V Vogel; The Netherlands Cancer Institute

(P402) GENETIC TESTING, TREATMENT PATTERNS, AND CLINICAL OUTCOMES AMONG PATIENTS WITH ADVANCED/METASTATIC MEDULLARY THYROID CANCER IN THE UNITED STATES: A RETROSPECTIVE MEDICAL RECORD REVIEW STUDY

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(P403) VALIDATION OF A MULTIPLEX IMMUNOFLOUORESCENCE TECHNIQUE FOR SPATIAL CHARACTERIZATION OF IMMUNE CELL POPULATIONS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC)

Christie McGee, MD¹; Serena Zilio, PhD²; Francisco J Civantos, MD¹; Zoukaa Sargi, MD¹; Elizabeth J Franzmann, MD¹; Elizabeth Nicolli, MD¹; Giovana Thomas, MD¹; Jason Leibowitz, MD¹; David Arnold, MD¹; Donald T Weed, MD¹; Paolo Serafini, PhD²; ¹Department of Otolaryngology, Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine; ²Department of Microbiology and Immunology, Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine

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(P404) IMMUNE CHECKPOINT INHIBITORS AND THEIR POTENTIAL ROLE IN THE MANAGEMENT OF ORAL PRECANCEROUS LESIONS.

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(P405) ELEVATION OF T-CELL-DERIVED CYTOKINES COULD PREDISPOSE PATIENTS TREATED WITH IMMUNE CHECKPOINT INHIBITORS TO DEVELOPING IMMUNE-RELATED ADVERSE EVENTS

Angela Alnemri, BS¹; S Hamad Sagheer, BS, BA¹; Kevin Xiao, BS²; Yamil Selman, MD¹; Madalina Tuluc, MD³; Tingting Zhan, PhD⁴; David Cognetti, MD¹; Joseph M Curry, MD¹; Jennifer M Johnson, MD, PhD⁵; Athanassios Argiris, MD, PhD⁵; Larry Harshyne, PhD⁵; Adam Luginbuhl, MD¹; ¹Department of Otolaryngology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; ²Sidney Kimmel Medical College, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; ³Department of Pathology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; ⁴Department of Biostatistics, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; ⁵Department of Medical Oncology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.

(P406) DETERMINING THE ROLE OF CENTRAL MEMORY T CELLS IN RESPONSE TO ANTI-PD1 THERAPY

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(P407) LIBRETTO-531: A PHASE III STUDY OF SELPERCATINIB VS INVESTIGATOR CHOICE OF CABOZANTINIB OR VANDETANIB IN PATIENTS WITH MULTIKINASE INHIBITOR-NAÏVE ADVANCED OR METASTATIC RET-MUTANT MEDULLARY THYROID CANCER (MTC)

Marcia S Brose, MD, PhD¹; Jaume Capdevila²; Rossella Elisei³; Lori J Wirth⁴; Sophie Lebouilleux⁵; Andreas Sashegyi⁶; Victoria Soldatenkova⁶; Boris K Lin⁶; Jennifer Wright⁶; Bruce Robinson⁷; Makoto Tahara⁸; Ana O Hoff⁹; Mimi Hu¹⁰; Eric J Sherman¹¹; ¹University of Pennsylvania; ²Vall d'Hebron Institute of Oncology (VHIO), Vall d'Hebron University Hospital; ³University of Pisa; ⁴Massachusetts General Hospital; ⁵Gustave Roussy; ⁶Eli Lilly and Company; ⁷Royal North Shore Hospital; ⁸National Cancer Center Hospital East; ⁹Instituto de Cancer do Estado de Sao Paulo; ¹⁰The University of Texas MD Anderson Cancer Center; ¹¹Memorial Sloan Kettering Cancer Center

(P408) SERUM PD-L1 AS A POTENTIAL PROGNOSTIC MARKER IN PAPILLARY THYROID CARCINOMA

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(P409) RELATIONSHIP BETWEEN THE IMMUNE MICROENVIRONMENT AND DISEASE RECURRENCE IN HEAD AND NECK SQUAMOUS CELL CARCINOMA.

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(P410) ONCOLOGIC OUTCOMES OF SALVAGE SURGERY AND IMMUNE CHECKPOINT INHIBITOR (ICI) THERAPY IN RECURRENT HNSCC: A SINGLE INSTITUTION RETROSPECTIVE STUDY

Neeraja Konuthula, MD; Olivia Do; Ted Gobillot; Cristina Rodriguez; Neal Futran; Jeffrey Houlton; Brittany Barber; University of Washington

(P411) SAFETY AND EFFICACY OF ANTI-PD-1 TREATMENT IN CHALLENGING POPULATIONS WITH SQUAMOUS CELL CARCINOMA

Olivia A Do; Sebastian M Jara, MD; Cristina P Rodriguez, MD; Jeffery J Houlton, MD; Brittany R Barber, MD; University of Washington

(P412) THE EFFECTS OF CISPLATIN ON GASTROSTOMY SITE HEALING

J Renee Booth, MD¹; Hesamoldin Khodadadi²; E Jim Kruse, DO¹; A Kumar Guddati, MD¹; Babak Baban, PhD²; J Kenneth Byrd, MD¹; ¹School of Medicine at Augusta University; ²Dental College of Georgia

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(P413) PATTERN OF NODAL METASTASIS IN SALVAGE NECK DISSECTION PERFORMED AFTER INTENSITY-MODULATED RADIOTHERAPY FOR NASOPHARYNGEAL CARCINOMA

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(P414) A FRESH PERSPECTIVE ON THE INFRATEMPORAL FOSSA: TRANSZYGOMATIC MIDDLE FOSSA APPROACH AND 3-DIMENSIONAL ANATOMIC MODELING IN RESIDENT EDUCATION

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(P415) TRANSORAL ROBOTIC RETROPHARYNGEAL LYMPH NODE DISSECTION IN NASOPHARYNGEAL CARCINOMA WITH RPLN RECURRENCE

Xi Ding; Qing-Guang Lin; Xiong Zou; You-Ping Liu; Yi-Jun Hua; Yu-Long Xie; Zhi-Qiang Wang; Yi-Nuan Zhang; Yang-Kui Gu; Rui You; Qi Yang; Meng-Xia Zhang; Si-Yuan Chen; Yan-Feng Ouyang; Zi-Kun Yu; Rui Sun; Ming-Yuan Chen; Sun Yat-sen University Cancer Center

(P416) SALVAGE ENDOSCOPIC NASOPHARYNGECTOMY COMBINED WITH INTERNAL CAROTID ARTERY PRETREATMENT FOR RECURRENT NASOPHARYNGEAL CARCINOMA ADJACENT TO THE INTERNAL CAROTID ARTERY

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(P418) RETROGRADE CATHETERIZATION OF THE LINGUAL ARTERY IN INTRA-ARTERIAL CHEMOTHERAPY FOR THE TREATMENT OF MALIGNANT NON-EPITHELIAL TUMORS OF THE MAXILLOFACIAL REGION.

Akbar Khasanov, MD, PhD; Rahimjon Bekmirzaev, MD, PhD; Anvar Amonov, MD; Bobir Primkulov, MD; Zohir Shkurov, MD; National Cancer Center of Uzbekistan

(P419) PREDICTORS OF SURVIVAL OUTCOMES IN SINONASAL SQUAMOUS CELL CARCINOMA

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(P421) NAVIGATION-GUIDED TRANSNASAL ENDOSCOPIC DELINEATION OF THE POSTERIOR MARGIN FOR MAXILLARY SINUS CANCERS: A PRECLINICAL STUDY

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(P422) COMPARATIVE STUDY ON EFFICACY OF ENDOSCOPIC VERSUS CONVENTIONAL SEPTOPLASTY

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(P423) MORBIDITY OF ENDOSCOPIC SURGERY AND NON-SURGICAL TREATMENTS FOR MALIGNANT NASOETHMOIDAL TUMORS: MULTICENTRIC RETROSPECTIVE STUDY ON 940 CASES

Stefano Taboni, MD¹; Giacomo Bertazzoni, MD²; Davide Mattavelli, MD, PhD³; Domitille Camous, MD⁴; Paolo Battaglia, MD⁵; Mario Turri Zanoni, MD⁵; Alberto Schreiber, MD, PhD⁴; Marco Ferrari, MD¹; Vittorio Rampinelli, MD³; Tommaso Gualtieri, MD³; Michele Tomasoni, MD³; Alberto Deganello, MD, PhD³; Cesare Piazza, MD³; Maurizio Bignami, MD⁴; Paolo Castelnovo, MD⁵; Piero Nicolai, MD¹; Philippe Herman, MD⁴; ¹Section of Otorhinolaryngology & Head and Neck Surgery, Department of Neurosciences, University of Padua, Padua, Italy; ²Department of Otorhinolaryngology, ASST Cremona, Cremona, Italy; ³Unit

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(P424) PLASMA EPSTEIN BARR VIRAL DNA IN THE DETECTION OF LOCALLY RECURRENT NASOPHARYNGEAL CARCINOMA

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(P426) NASOPHARYNGEAL CANCER: INCIDENCE AND PROGNOSIS OF HPV AND EBV ASSOCIATION AT A SINGLE NORTH AMERICAN INSTITUTION

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(P427) ACQUIRED NASOPHARYNGEAL STENOSIS AFTER RADIATION FOR NASOPHARYNGEAL CARCINOMA

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(P428) PHASE II RANDOMIZED TRIAL OF NEO-ADJUVANT CHEMOTHERAPY FOLLOWED BY SURGERY AND POST-OPERATIVE RADIATION VERSUS SURGERY AND POST-OPERATIVE RADIATION FOR ORGAN PRESERVATION OF T3 AND T4A NASAL AND PARANASAL SINUS SQUAMOUS CELL CARCINOMA (NPNSCC): A TRIAL OF

Nabil F Saba¹; Yael Flamand²; Derrick Lin³; Christine H Chung⁴; Mark McDonald¹; Stella Flampouri¹; Saad Khan⁵; Duan Fenghai⁶; Rathan Subramanian⁷; Bapsi Chakreavorthy⁸; Barbara Burtneess⁹; Emory University; ²ECOG-ACRIN; ³Massachusetts General Hospital; ⁴Moffitt Cancer Center; ⁵Stanford University; ⁶Brown University; ⁷University of Otago; ⁸Vanderbilt University; ⁹Yale University

(P429) VENTRAL SKULL BASE OSTEOMYELITIS: CASE SERIES AT A TERTIARY CARE CENTER OVER 5 YEARS

Steven P Davidson¹; Michael Sylvester, MD²; Kyle K VanKoeveering, MD³; Erin L McKean, MD, MBA, FACS²; ¹University of Michigan Medical School; ²Michigan Medicine Department of Otolaryngology - Head and Neck Surgery; ³The Ohio State University Department of Otolaryngology - Head and Neck Surgery

(P430) ROBOTIC ASSISTED NASOPHARYNGECTOMY FOR RECURRENT NASOPHARYNGEAL CARCINOMA

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(P431) PROSPECTS FOR THE USE OF INDUCTION CHEMOTHERAPY AT THE FIRST STAGE IN THE COMPLEX TREATMENT OF PATIENTS WITH CANCER OF THE PARANASAL SINUSES AND NASAL CAVITY.

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(P432) PROGNOSTIC FACTORS OF SINONASAL MALIGNANCIES UNDERGOING TRANSNASAL ENDOSCOPIC RESECTION: A 3-INSTITUTIONAL COLLABORATIVE STUDY ON 940 PATIENTS

Marco Ferrari¹; Davide Mattavelli, MD, PhD²; Michele Tomasoni, MD²; Paolo Battaglia, MD³; Mario Turri-Zanoni, MD³; Alberto Schreiber, MD, PhD²; Vittorio Rampinelli, MD²; Tommaso Gualtieri, MD²; Alberto Daniele Arosio, MD³; Giacomo Bertazzoni, MD⁴; Andrea Bolzoni Villaret, MD²; Maurizio Bignami, MD³; Cesare Piazza, MD²; Philippe Herman, MD⁵; Paolo Castelnovo, MD³; Piero Nicolai, MD¹; ¹Section of Otorhinolaryngology – Head and Neck Surgery, Department of Neurosciences, University of Padua, Padua, Italy; ²Unit of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy; ³Unit of Otorhinolaryngology - Head and Neck Surgery, University of Insubria, Varese, Italy; ⁴Section of Otorhinolaryngology, Hospital of Cremona, Cremona, Italy; ⁵Department of Head and Neck Surgery, Lariboisière University Hospital, Paris, France

(P433) MULTI-INSTITUTIONAL REVIEW OF THE IMPORTANCE OF CERVICAL AND PAROTID LYMPH NODES IN THE MANAGEMENT OF LACRIMAL SAC MALIGNANCIES

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(P434) CLINICO-EPIDEMIOLOGICAL PROFILE IN CHRONIC DACRYOCYSTITIS PATIENTS UNDERGOING ENDO- DCR REVISITED WITH AN UPDATED REVIEW

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(P435) SALVAGE NECK SURGERY IN NPC RECURRENCE: DO ALL PATIENTS REQUIRE A COMPREHENSIVE NECK DISSECTION IN THE MODERN MRI ERA?

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(P436) PEDIATRIC HEAD AND NECK OSTEOSARCOMA PROGNOSIS, SURVIVAL AND CANCER-SUSCEPTIBILITY GENE VARIANTS

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(P437) NEUROCOGNITIVE FUNCTIONING OF PATIENTS WITH SINONASAL AND NASOPHARYNGEAL CANCERS TREATED WITH MULTIMODALITY THERAPY

Lindsay M Niccolai, PhD¹; Jeffrey S Wefel, PhD¹; Catherine M Sullaway, BS¹; Ehab Y Hanna, MD¹; Kareem B Haroun¹; Jack Phan, MD²; Shirley Y Su¹; ¹UT MD Anderson Cancer Center; ²UTMB Galveston

(P438) MANAGEMENT OF THE NO NECK IN MAXILLARY SINUS SQUAMOUS CELL CARCINOMA

Madeleine P Strohl, MD; Patrick S Carpenter, MD; Sue S Yom, MD, PhD; Ivan H El-Sayed, MD; University of California, San Francisco

(P439) IMPORTANCE OF MARGINS, RADIOTHERAPY, AND SYSTEMIC THERAPY IN MUCOSAL MELANOMA OF THE HEAD AND NECK

Axel Sahovaler, MD; Ziai Hedyeh, MD; Felipe Cardemil, MD, PhD; Jie Su, MSc; David Goldstein, MD, MSc; Gilbert Ralph, MD; Shao Huang, MD, MSc, MRTT; Ali Hosni, MBBCh, MSc, PhD, MD; Andrew Hope, MD; John Waldron, MD; Araon Hansen, MD; Lilian Siu; Anna Spreafico, MD, PhD; Wei Xu, PhD; John de Almeida, MD, MSc; University of Toronto

(P440) THE SIGNIFICANCE OF LONG-TERM INTRAARTERIAL CHEMOTHERAPY IN THE COMPLEX TREATMENT OF PATIENTS WITH MALIGNANT NONEPITHELIAL TUMORS OF MAXILLOFACIAL REGION.

Akbar Khasanov, MDPhD; Rahimjon Bekmirzaev, MDPhD; Bobir Primkulov, MDPhD; Shukurov Zohir, MD; Anvar Amonov, MD; National Cancer Center of Uzbekistan

(P442) FEASIBILITY OF COMPARTMENTAL ENDOSCOPIC CRANIOFACIAL RESECTION FOR SINONASAL MALIGNANCY WITH ANTERIOR SKULL BASE INVOLVEMENT WITH NOVEL RECONSTRUCTION METHOD

Kiran Joshi; Mudit Agarwal; Abhishek Singh; Sunil Kumar; Shashank Chaudhary; RGCIRC

(P443) THREE-DIMENSIONAL PRINTING AS AN INTERDISCIPLINARY COMMUNICATION TOOL TO AID IN CRANIOFACIAL RESECTION

Mohammad K Hararah, MD, MPH; Andrew T Mclean, MD; Ian Ganly, MD, PhD; Cameron Brennan, MD; David Della Rocca, MD; Evan Matros, MD; Marc A Cohen, MD, MPH; Memorial Sloan Kettering Cancer Center

(P444) OUTCOMES FOR THE YOUNG HEALTHY NASOPHARYNGEAL CARCINOMA PATIENTS WITH RADIATION INDUCED SARCOMA - A RETROSPECTIVE STUDY

Samuel Cheng; Kristy Fung; Eddy Wong; Alexander Vlantis; Jason Chan; CUHK

(P445) CRANIOFACIAL RESECTION FOR NONMELANOMA SKIN CANCER OF THE HEAD AND NECK

Gustavo F de Alvarenga, MD; Jonathan G Ghetler, MD; Ana K Nogueira Leite, PhD; Sérgio Gonçalves, MD; Hugo Sterman Neto, MD; Alexandre B dos Santos, PhD; Leandro L de Matos, PhD; Dorival Carlucci Junior, MD; Marco Aurélio V Kulcsar, PhD; Cláudio R Cernea, PhD; Luiz P Kowalski, PhD; University of São Paulo

(P446) INTRAOPERATIVE NAVIGATION AND AUGMENTED REALITY IN SINONASAL TUMORS: A COMPARATIVE PRECLINICAL STUDY.

Axel Sahovaler, MD¹; Harley Chan, PhD¹; Tommaso Gualtieri, MD²; Michael Daly, PhD¹; Claire Vannelli, MSc¹; Donovan Eu, MD¹; Marco Ferrari, MD²; Jonathan Irish, MD¹; ¹University of Toronto; ²University of Brescia

(P447) A 25-YEAR EXPERIENCE IN SKULL BASE ADENOID CYSTIC CARCINOMA: OUTCOMES IN OPEN VS. ENDOSCOPIC APPROACHES

Peter Lancione, MD¹; Robin Rice, BS²; Aaron Craft²; Anuraag Parikh, MD¹; Songzhu Zhao³; Kyle Vankoeveering, MD¹; Ricardo Carrau, MD¹; Matthew Old, MD¹; ¹Department of Otolaryngology & Head and Neck Surgery, The Ohio State University Wexner Medical Center, Columbus, OH; ²The Ohio State University College of Medicine; ³Center for Biostatistics, The Ohio State University Wexner Medical Center

POSTER LISTINGS

(P448) MALIGNANT PARAGANGLIOMA OF THE HEAD AND NECK. WHAT DO WE KNOW?

Roberto M Soriano, MD¹; Mark W El-Deiry², MD¹; Annie McLean-Holden, DMD, MS²; Anupriya Rao, MD¹; Qiuying S, MD²; Azeem S Kaka², MD¹; ¹Emory University School of Medicine, Department of Otolaryngology-Head and Neck Surgery; ²Emory University School of Medicine, Department of Pathology
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(P449) PREDICTORS OF SURGICAL OUTCOMES IN PATIENTS WITH SINONASAL AND SKULL BASE TUMORS

Sonam Dodhia, MD¹; Conall Fitzgerald, MD²; Avery Yuan, MB, MMCI²; Cristina Valero Mayor, MD, PhD²; Dauren Adilbay, PhD²; Ximena Mimica, MD²; Piyush Gupta, MD²; Snehal Patel, MD²; Richard Wong, MD²; Jatin Shah, MD²; Ian Ganly, MD, PhD²; Marc Cohen, MD²; ¹New York Presbyterian Hospital; ²Memorial Sloan Kettering Cancer Center

Oral Cavity Poster Abstracts

(P450) ORAL CAVITY SQUAMOUS CELL CARCINOMA WITH MANDIBULAR RESECTION RECURRENCE RATE DIFFERENCES BASED ON MARGIN EXCISION COMPARISON WITH ASSISTANCE OF INTRA-OPERATIVE 3D MODELS.

Herschel B Patel, MD; Harkaran Guryan, MD; Christopher J Britt, MD; Dylan C Lippert, MD; Lance E Oxford; Baylor University Medical Center

(P451) VOLUMETRIC GROWTH RATE OF ORAL CAVITY SQUAMOUS CELL CARCINOMA: ASSOCIATION WITH MAJOR RISK FACTORS AND PATHOLOGIC STAGING

Jacob G Wihlidal, HBS; Adrian I Mendez, MD, PhD, FRCSC; University of Western Ontario

(P452) USING ARTIFICIAL INTELLIGENCE TO PREDICT NODAL METASTASES IN SQUAMOUS CELL CARCINOMA OF THE TONGUE

Antoinette R Esce; Jordan P Redeman; Garth T Olson; Josh Hanson; Shweta Agarwal; Nathan H Boyd; David R Martin; University of New Mexico

(P453) AN AUDIT OF SECOND PRIMARY MALIGNANCIES (SPM)S IN SURVIVORS OF LOCALLY ADVANCED ORAL CAVITY SQUAMOUS CARCINOMA (OSCC)

Sarbani Ghosh Laskar, MD¹; Abhishek Chatterjee, MD¹; Sahil Sood, MD¹; Devendra Chaukar¹; Shwetabh Sinha¹; Jai Prakash Agarwal¹; Tejpal Gupta¹; Ashwini Budrukhar¹; Vedang Murthy¹; Naveen Mummudi¹; Monali Swain¹; Pankaj Chaturvedi¹; Prathamesh Pai¹; Gouri Pantvaitya¹; Anuja Deshmukh¹; Deepa Nair¹; Sudhir Nair¹; Mandar Deshpande²; Anil K DCruz³; Kumar Prabhash¹; Amit Joshi¹; Vanita Noronha¹; ¹Tata Memorial Hospital; ²Kokilaben Dhirubhai Ambani Hospital; ³Apollo Cancer Centre

(P454) EVALUATION OF MACHINE LEARNING AND STATISTICAL PREDICTIVE TOOLS FOR HOSPITAL LENGTH OF STAY IN PATIENTS WITH ORAL CAVITY CANCER

Hedyyeh Ziai; Konrado Deutsch; Alexander Gabinet-Equihua; Jingyue Huang; Shuja Khalid; Christopher End; David P Goldstein; Ralph W Gilbert; Jonathan C Irish; Antoine Eskander; Frank Rudzicz; Wei Xu; John R de Almeida; University of Toronto

(P455) USE OF INJECTABLE ALGINATE-BASED HYDROGEL IN HEAD AND NECK SUBMUCOSAL HYDRODISSECTION: A FEASIBILITY STUDY

David Y Goldrich, MD¹; Chuying Ma, PhD²; Shivam Patel, BS¹; Parker Burrows, BS¹; Neerav Goyal, MD¹; ¹The Pennsylvania State University College of Medicine, Hershey PA; ²Aleo BME Inc, State College PA

(P456) ELECTRONIC NICOTINE DELIVERY SYSTEMS AND THE HUMAN ORAL MICROBIOME - A SYSTEMATIC REVIEW OF THE LITERATURE

Thomas O'Neil, BS; Senu Apewokin, MD; Chad Zender, MD; Scott Langevin, PhD, MHA, CTASCP; University of Cincinnati College of Medicine

(P457) CORRELATION OF TREATMENT OUTCOME IN ORAL CAVITY SCC WITHIN DIFFERENT AGE GROUP

Dalia Alarfaj; Mishaal Alharbi; Mansour Alassiry; Saud Ijaz; Turki Almuhaimeid; King Fahad specialist hospital

(P458) NECK WATCHFUL WAITING VS PROPHYLACTIC NECK DISSECTION IN CT1N0 ORAL CAVITY CARCINOMA

Patrícia Santos; Henrique Messias; Inês Salgado; Sandra Bitoque; Ricardo Nogueira; Jorge Rosa Santos; Pedro Gomes; IPO Lisboa

(P459) RADIOPATHOLOGICAL CORRELATION OF DEPTH OF INVASION OF ORAL TONGUE CANCER- A COMPARISON OF RADIOLOGICAL MODALITIES

Ajay Narendra, DR; Shamit Chopra, DR; Ramandeep Kaur, DR; Patel Hospital

POSTER LISTINGS

(P460) THE ROLE OF TONGUE CARCINOMA IN MEDIATING AGE-ASSOCIATED DIFFERENCES IN ORAL CANCER SURVIVAL

Ahmed Toure, BA; Andrew Tassler, MD; Weill Cornell Medicine

(P461) CLINICAL CHARACTERISTICS OF LOW-RISK PATIENTS DEVELOPING ORAL CAVITY CANCER

Shruthi Sethuraman, BS¹; Stephen Y Kang, MD²; Kyle Vankoevinger, MD²; Ricardo L Carrau, MD²; Enver Ozer, MD²; Amit Agrawal, MD²; James W Rocco, MD, PhD²; Matthew O Old, MD²; Nolan Seim, MD²; ¹The Ohio State University College of Medicine; ²Department of Otolaryngology, The Ohio State University Wexner Medical Center

(P462) THE LYMPH NODE RATIO, PROGNOSTIC FACTOR IN CANCER OF THE ORAL CAVITY

Francisco Gallegos, MD; Carolina Mesías, MD; José Abrego, MD; Hospital de Oncología, CMN SXXI, IMSS

(P463) THE INTERACTION OF CANCER ASSOCIATED FIBROBLASTS AND PERI-TUMORAL INFLAMMATORY RESPONSE IS ASSOCIATED WITH SURVIVAL OUTCOMES FOR PATIENTS WITH ORAL CAVITY SQUAMOUS CELL CARCINOMA

Susannah Orzell, MD¹; Neil Verma, MD¹; Yelda Jozaghi, MD¹; Matthew Mifsud, MD¹; Martin Hyrcza, MD, PhD¹; Doaa AlGhamdi, MD¹; Carolyn Barsoum, MA¹; Bayardo Perez-Ordonez, MD¹; Ilan Weinreb, MD¹; Jason Wasseman, MD, PhD¹; David Goldstein, MD, MSc¹; Dale Brown, MB¹; John R de Almeida, MD, MSc¹; Patrick Gullane, MB¹; Ralph Gilbert, MD¹; Jonathan Irish, MD, MSc¹; Susie Su¹; Wei Xu, PhD¹; Laurie Ailles, PhD²; Douglas B Chepeha, MD, MSCPH¹; ¹Department of Otolaryngology – Head & Neck Surgery, Princess Margaret Cancer Centre, University Health Network, University of Toronto, Toronto, ON, Canada; ²Ontario Institute for Cancer Research, Toronto, ON, Canada

(P465) COMPARISON OF DIAGNOSTIC CHARACTERISTICS BETWEEN SENTINEL-NODE BIOPSY (SNB) AND RADIO-GUIDE ELECTIVE NECK DISSECTION IN PATIENTS WITH ORAL TONGUE CANCER CT1-2N0M0.

Maxim Kotov, MDPhD; Zamira Radzhabova, MDPhD; Sergei Novikov, MDPhD; FSBI «N.N. PETROV NATIONAL MEDICAL RESEARCH CENTER OF ONCOLOGY»

(P466) CHARACTERISTICS OF NON-SMOKERS WITH RESECTABLE ORAL CAVITY CANCER

Hadley Heindel, MD¹; Justin Hall, MD²; Kathryn Hitchcock, MD, PhD¹; Rekha Garg, PhD¹; Amy Fullerton, SLP, PhD¹; Ramzi Salloum, PhD¹; Deepa Danan, MD¹; Brian Hughley, MD¹; Peter Dziegielewski, MD¹; Natalie Silver, MD¹; ¹University of Florida; ²Wake Forest University

(P467) SMOKELESS TOBACCO USAGE AND DEVELOPMENT OF ORAL CANCER – A PROSPECTIVE STUDY

Poonam Joshi, Dr; Sudhir Nair, Dr; Pankaj Chaturvedi, Dr; Tata Memorial Hospital

(P468) IMPACT OF RECONSTRUCTIVE TECHNIQUE ON TIME TO LOCAL RECURRENCE OF T1-T3 ORAL CAVITY SQUAMOUS CELL CARCINOMA

Jake J Lee, MD, MSCI¹; Stanley Chibueze, BS¹; Daniel P Lander, MD, MSCI¹; Dorina Kallogjeri, MD, MPH¹; Joseph Zenga, MD²; Patrik Pipkorn, MD, MSCI¹; ¹Washington University School of Medicine; ²Medical College of Wisconsin School of Medicine

(P469) AN EVALUATION OF THE DEFINITION OF CLOSE MARGIN IN SQUAMOUS CELL CARCINOMA OF THE ORAL TONGUE AND ITS POSSIBLE PROGNOSTIC SIGNIFICANCE

Zarah Abeln¹; Baris Karakullukcu²; ¹Erasmus MC Rotterdam; ²Antoni van Leeuwenhoek Hospital - Amsterdam

(P471) THE MICROBIOME IN TUMOR TISSUE AND ORAL RINSES ARE ASSOCIATED WITH THE TRIPLE NEGATIVE ORAL CAVITY SQUAMOUS CELL CARCINOMA.

Marco Li; Zigui Chen; Paul Chan; Eric Lau; Eddy Wong; Zenon Yeung; Jason Chan; CUHK

(P472) SILENCING DNA POLYMERASE γ INDUCES ANEUPLOIDY AS A BIOMARKER OF POOR PROGNOSIS IN ORAL SQUAMOUS CELL CANCER

Hui-Ching Wang; Medical University Hospital, Kaohsiung Medical University

(P473) PRESURGICAL CHEMOTHERAPY FOR LOCOREGIONALLY ADVANCED HPV- ORAL CAVITY AND OROPHARYNGEAL CANCERS

John T Loree, MD¹; Saurin R Popat, MD, MBA²; Mark S Burke, MD²; Naheed Alam, MD³; Jenny Romero, MD³; Michael Y Nagai, DDS, MD²; Christopher J Hughes, MBBS²; Daniel Ford, PA³; Samuel H Moore, BS⁴; Thom R Loree, MD²; ¹Department of Surgery, Lewis Katz School of Medicine, Temple University Health System; ²Erie County Medical Center Department of Head and Neck and Plastic Surgery, Department of Otolaryngology-Head & Neck Surgery, SUNY: Buffalo; ³Erie County Medical Center, Department of Medical Oncology; ⁴University of Buffalo Jacobs School of Medicine and Biomedical Sciences

POSTER LISTINGS

(P474) SKIP METASTASES IN PATIENTS WITH ORAL CAVITY SQUAMOUS CELL CARCINOMA

Adwight Risbud, BS; Emily Nguyen, BS; Jonathan C Pang, BA; Brooke Sarna, BS; Mehdi Abouzari, MD, PhD; Yarah M Haidar, MD; William B Armstrong, MD; Tjosen Tjoa, MD; UC Irvine Department of Otolaryngology - Head and Neck Surgery

(P475) THE PRESENCE OF TUMOR SATELLITES IS AN INDEPENDENT PROGNOSTIC FACTOR IN PATIENTS WITH ORAL CANCER

Eyal Yosef, MD; Leemor Wallach, MD; Yuval Miller; Sharon Tzelnick, MD; Yulia Strenov, MD; Gideon Bachar, MD; Thomas Shpitzer, MD; Aviram Mizrahi, MD; Rabin Medical Center

(P476) NOT ALL CLOSE MARGINS ARE CREATED EQUAL: EVALUATING THE EFFECT OF CLOSE MARGINS IN LOCAL RECURRENCE RATES IN ORAL CAVITY SQUAMOUS CELL CARCINOMA

Brian Boyce¹; Varsha Natarajan²; Jonah Adler¹; Mark El-Deiry¹; Mihir Patel¹; Azeem Kaka¹; HM Baddour¹; Nicole Schmitt¹; Arturo Solares¹; Jennifer Gross¹; ¹Emory School of Medicine; ²Emory Rollins School of Public Health

(P479) RETROMOLAR TRIGONE SQUAMOUS CELL CARCINOMA: A POPULATION-BASED ANALYSIS OF SURVIVAL

Julia C Comer, MD¹; Robert B King, MD¹; Andrew B Harris, MD²; Peter T Dziegielewski, MD¹; ¹University of Florida; ²Johns Hopkins University

(P480) ROLE OF DEPTH OF INVASION IN NODE NEGATIVE ORAL TONGUE SQUAMOUS CELL CARCINOMA: DOES IT IMPACT LOCAL RECURRENCE?

Rushil R Dang, BDS, DMD; Jaegak Kim, DMD; Muhammad M Qureshi, MBBS, MPH; Grace Zhao, MD; Andrew Salama, MD, DDS; Minh Tam Truong, MD; Boston Medical Center

(P481) ONCOLOGIC OUTCOMES OF MICROSCOPIC TUMOR CUT-THROUGH IN ORAL LOCALLY ADVANCED ORAL SQUAMOUS CELL CARCINOMA

Guilherme Reimann Agne, MD; Hugo Fontan Kohler, MD; Thiago Celestino Chulam, MD, PhD; Clóvis A Lopes Pinto, MD, PhD; Ivete Fabelo Pereira da Silva Rodrigues, MD, PhD; José G Vartanian, MD, PhD; Luiz P Kowalski, MD, PhD; A. C. Camargo Cancer Center

(P482) DETECTING RECURRENT ORAL CAVITY SQUAMOUS CELL CARCINOMA AND THE ROLE OF POST-OPERATIVE SURVEILLANCE IMAGING VERSUS CLINICAL EXAM

Brian Boyce¹; Varsha Natarajan²; Jonah Adler¹; Mark El-Deiry¹; Mihir Patel¹; Azeem Kaka¹; Jennifer Gross¹; Nicole Schmitt¹; Solares Arturo¹; HM Baddour¹; ¹Emory School of Medicine; ²Emory Rollins School of Public Health

(P483) THE EVALUATION OF BMI AS A RISK FACTOR FOR LATERAL TONGUE SQUAMOUS CELL CARCINOMA

Emily Aleksa, BScH¹; Christopher Szeto, BSc, MD, FRCSC²; Matthew Lauzon, BEng³; Will Irvine⁴; Fadel Ishak, BSc, MD, FRCSC²; Andrew Pearce, BSc, MSc, MD, FRCPC⁵; Deborah Saunders, BSc, DMD³; ¹Northern Ontario School of Medicine; ²Division of Otolaryngology Head and Neck Surgery, Health Sciences North; ³Health Sciences North, North East Cancer Center; ⁴Laurentian University; ⁵Division of Radiation Oncology, Health Sciences North

(P486) LOCAL EXTENT OF TUMOR PREDICTS OUTCOME OVER AND ABOVE THE T STAGING OF TONGUE CANCER: A TOOL TO IDENTIFY AGGRESSIVE DISEASE WITHIN THE SAME T STAGE

Arjun G Singh, MDS, MFDS, RCPS; Satadru Roy; Pranav Sathe; Florida Sharin; Vidisha Tuljapurkar; Deepa Nair; Pankaj Chaturvedi; Tata Memorial Hospital, Mumbai

(P487) EVALUATION OF CLINICAL CHARACTERISTICS AND COMORBIDITIES AMONG YOUNG ORAL CAVITY CANCER PATIENTS

Hilary McCrary¹; Seungmin Kim²; Kerry Rowe³; John Snyder³; Vikrant Deshmukh⁴; Michael Newman⁴; Alison Fraser⁵; Ken Smith⁵; Mia Hashibe²; Marcus Monroe¹; ¹University of Utah, Division of Otolaryngology – Head and Neck Surgery; ²Division of Public Health, Department of Family and Preventive Medicine, University of Utah School of Medicine, and Huntsman Cancer Institute, Salt Lake City, UT; ³Intermountain Healthcare, Salt Lake City, UT; ⁴University of Utah Health Care CMIO Office, Salt Lake City, UT; ⁵Pedigree and Population Resource, Population Sciences, Huntsman Cancer Institute, Salt Lake City, UT

(P489) FEATURES AND OUTCOMES OF RAPID EARLY RECURRENCE IN ORAL CAVITY CANCER TREATED WITH SURGERY AND RADIATION

Caitlin P McMullen, MD; Jimmy Caudell, MD, PhD; Joaquim M Farinhas, MD, MBA; Moffitt Cancer Center

(P491) NON-INVASIVE IMAGING SYSTEMS IN THE DIAGNOSIS OF ORAL CANCER AND DYSPLASTIC ORAL POTENTIAL MALIGNANT DISORDER: A SYSTEMATIC REVIEW AND META-ANALYSIS

Pramila Mendonca, MDS; Sumsum P Sunny, MDS; Uma Mohan, MDS; Amritha Suresh, PhD; Moni A Kuriakose, MD; Department of Head and Neck Oncology, Mazumdar Shaw Medical Center, NH Health City, Bangalore, India

POSTER LISTINGS

(P492) NANOPARTICLE MEDIATED PHOTODYNAMIC TUMOR ABLATION AS A THERAPEUTIC STRATEGY FOR ORAL CANCERS IN BIOLOGICALLY AND CLINICALLY RELEVANT ANIMAL MODELS.

Axel Sahovaler¹; Catriona Douglas, MD¹; Harley Chan, PhD¹; Donovan Eu, MD¹; Jason Townson, PhD¹; Juan Chen, PhD¹; Gang Zheng, PhD¹; Nidal Muhanna, MD, PhD²; Jonathan Irish, MD¹; ¹Princess Margaret Cancer Centre and University Health Network, TECHNA Institute, Guided Therapeutic (GTx) Program, Toronto, ON, Canada.; ²Princess Margaret Cancer Centre and University Health Network, TECHNA Institute, Guided Therapeutic (GTx) Program, Toronto, ON, Canada. Department of Otolaryngology-Head and Neck Surgery, Tel Aviv Sourasky Medical Center, Tel Aviv University, Israel.

(P494) ADJUVANT TREATMENT IMPROVES OVERALL AND DISEASE-FREE SURVIVAL IN T4AN0 ORAL CAVITY SQUAMOUS CELL CARCINOMA WITH MANDIBLE INVASION: A SINGLE-CENTER STUDY

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(P495) LYMPH NODE RATIO AND DEPTH OF INVASION IN CN0 ORAL TONGUE SQUAMOUS CELL CARCINOMA: A RETROSPECTIVE REVIEW

Michael Xie, MD¹; Peter Dziegielewski, MD, FRCSC²; Nhu-Tram Nguyen, MDCM, FRCPC¹; Hadi Seikaly, MD, MAL, FRCSC³; Jeffrey Harris³; Dan O'Connell, MD, FRCSC³; Vince Biron, MD, PhD, FRCSC³; Stuart D Archibald, MD, FRCSC¹; Bernard S Jackson, MD, FRCSC¹; James Young, MD, FRCSC, FACS¹; Michael K Gupta, MD, MSc, FRCSC¹; Han Zhang¹; ¹McMaster University; ²University of Florida; ³University of Alberta

(P496) PROGNOSTIC IMPLICATIONS OF SKIN INVASION IN LOCALLY ADVANCED ORAL CAVITY SQUAMOUS CELL CARCINOMA

Jennifer Diebolt, MD; Stephanie Wood, MD; Andrea Ziegler, MD; Mark Villwock, MS; Sameer Alvi, MD; Kiran Kakarala, MD; Yelizaveta Shnayder, MD; Gregory Gan, MD, PhD; Christopher Lominska, MD; Prakash Neupane, MD; Kevin J Sykes, MPH, PhD; Andrés M Bur, MD; University of Kansas Medical Center

(P497) INTRAOPERATIVE MANDIBLE BONE-MARROW FROZEN SECTIONS ARE AN EFFECTIVE PREDICTOR OF FINAL BONE MARGINS: A 10-YEAR RETROSPECTIVE STUDY

Mohamad Z Saltagi, MD; Christine Yang, MS; Morgan Sandelski, MD; Jessica Yesensky, MD; Avinash Mantravadi, MD; Michael G Moore, MD; Michael W Sim, MD; Indiana University School of Medicine

(P498) PROGNOSTIC FACTORS FOR LOCOREGIONAL AND DISTANT EARLY FAILURE IN ORAL TONGUE SQUAMOUS CELL CARCINOMA WITHIN SIX MONTHS OF TREATMENT

Sunil Kumar, Dr; Mudit Agarwal, Dr; Kiran Joshi; Abhishek Singh; Shashank Chaudhary; Shreya Rai; Rajiv Gandhi Cancer Institute, Rohini, Delhi

(P499) THE ROLE OF DEPTH OF INVASION IN PATIENTS WITH PATHOLOGICALLY LOW-RISK, STAGE I ORAL CANCER MANAGED WITH PRIMARY TUMOR RESECTION ALONE

Ming-Hsien Tsai, MD; Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan

(P500) SQUAMOUS CELL CARCINOMA OF THE BUCCAL MUCOSA: A MULTI-INSTITUTIONAL ANALYSIS OF ONCOLOGIC OUTCOMES

Maxwell Y Lee¹; Eric D Lamarre²; Joseph Scharpf²; Brandon L Prendes²; Ahmed I Ghanem³; Jillian C Tsai⁴; Neal E Dunlap⁵; Howard Y Liu⁶; Brian B Burkey²; Nikhil P Joshi⁷; Jimmy J Caudell⁸; Farzan Siddiqui³; Sandro V Porceddu⁶; Nancy Y Lee⁴; Larisa Schwartzman⁹; Shlomo A Koyfman⁹; David J Adelstein¹⁰; Jessica L Geiger¹⁰; Neil Woody⁹; Jamie A Ku²; ¹Cleveland Clinic Lerner College of Medicine; ²Head and Neck Institute, Cleveland Clinic Foundation; ³Department of Radiation Oncology, Henry Ford Hospital; ⁴Department of Radiation Oncology, Memorial Sloan Kettering Cancer Center; ⁵Department of Radiation Oncology, University of Louisville School of Medicine; ⁶Department of Radiation Oncology, Princess Alexandra Hospital/University of Queensland; ⁷Department of Radiation Oncology, Rush University Cancer Center; ⁸Department of Radiation Oncology, Moffitt Cancer Center; ⁹Department of Radiation Oncology, Taussig Cancer Institute, Cleveland Clinic; ¹⁰Department of Hematology and Medical Oncology, Taussig Cancer Institute, Cleveland Clinic

(P501) ADULT OSTEOSARCOMA OF THE MANDIBLE: A CASE-SERIES

John T Loree, MD¹; Saurin R Popat, MD, MBA²; Anne Grand'Maison, MD³; Amanda Colebeck, DDS, MS⁴; Mark S Burke, MD²; Thom R Loree, MD²; ¹Temple University Hospital System; ²Erie County Medical Center Department of Head and Neck and Plastic Surgery, Department of Otolaryngology-Head & Neck Surgery, SUNY: Buffalo, NY; ³Roswell Park Cancer Center Department of Medical Oncology: Buffalo, NY; ⁴Erie County Medical Center Department of Dentistry/Division of Oral Oncology: Buffalo, NY

POSTER LISTINGS

(P502) RECURRENCE OF PREMALIGNANT LESIONS OF THE ORAL CAVITY AFTER INITIAL TREATMENT WITH PULSED DIODE LASER EXCISION

Emily Sagalow, BS; Ayan Kumar, MD; Raphael Banoub, MD; Adam Luginbuhl, MD; Joseph M Curry, MD; Thomas Jefferson University Hospital

(P503) PATTERNS OF DISTANT FAILURE AND PREDICTORS OF OVERALL SURVIVAL IN METASTATIC ORAL CAVITY SQUAMOUS CELL CARCINOMA

Aiman J Faruqi, Medical Student¹; Christopher W Fleming²; Mario Belfiglio¹; Neil M Woody²; Nikhil P Joshi²; Hong Li³; Deborah J Chute⁴; Jamie Ku⁵; Brandon Prendes⁵; Eric Lamarre⁵; Robert R Lorenz⁵; Joseph Scharpf⁶; Brian B Burkey⁵; Jessica Geiger⁶; David J Adelstein⁶; Shlomo A Koyfman²; ¹Cleveland Clinic Lerner College of Medicine; ²Cleveland Clinic, Taussig Cancer Institute, Department of Radiation Oncology; ³Cleveland Clinic, Lerner Research Institute, Department of Quantitative Health Science; ⁴Cleveland Clinic, Department of Pathology; ⁵Cleveland Clinic, Head and Neck Institute; ⁶Cleveland Clinic, Taussig Cancer Institute, Department of Hematology and Medical Oncology

(P505) SURVIVAL OUTCOMES IN ORAL CAVITY CANCER PATIENTS WITH POSITIVE MARGINS: IS ADJUVANT TREATMENT COMPARABLE TO RE-RESECTION?

Mustafa G Bulbul, MD¹; Anuraag S Parikh, MD²; Ayaz Khawaja, MD³; Andrew J Holcomb, MD⁴; Allen L Feng, MD⁵; Nicholas B Abt, MD⁴; Tara Mokhtari⁴; Sidharth V Puram, MD, PhD⁶; Kevin S Emerick, MD⁴; Daniel G Deschler, MD⁴; Jeremy D Richmon, MD⁴; Derrick T Lin⁴; Mark A Varvares⁴; ¹West Virginia University; ²The Ohio State University; ³Wayne State University; ⁴Harvard/Massachusetts Eye and Ear; ⁵University of Michigan; ⁶Washington University in St. Louis

(P506) EVALUATION OF INTRAOPERATIVE FROZEN SECTION COLLECTION AND ANALYSIS IN PATIENTS WITH SQUAMOUS CELL CARCINOMA OF THE ORAL CAVITY: A RETROSPECTIVE REVIEW OF 157 SPECIMENS

Isabelle Gengler, MD; Tazheh Kavooosi; Matthew Hagen, MD, PhD; Nicholas Protopsaltis, MD; Erin Langevin, MHS, PA; Yash Patil, MD; Brian Cervenka, MD; Alice Tang, MD; Chad Zender, MD, FACS; University of Cincinnati

(P507) NODAL DISEASE STATUS OF PATIENTS TREATED WITH SURGICAL RESECTION AND NECK DISSECTION FOR ORAL CAVITY SQUAMOUS CELL CARCINOMA; A NATIONAL CANCER DATABASE REVIEW

Vincent J Anagnos, DO; Aman Prasad; Ryan M Carey, MD; Karthik Rajasekaran, MD; Steven Cannady, MD; Jason Newman, MD; Jason Brant, MD; Robert M Brody, MD; University of Pennsylvania

(P508) DOES LYMPHOVASCULAR INVASION (LVI) PREDICT SURVIVAL IN ORAL CANCER? A POPULATION-BASED ANALYSIS

Robert B King, MD¹; Julia C Comer, MD¹; Andrew B Harris, MD²; Peter T Dziegielewski, MD¹; ¹University of Florida; ²Johns Hopkins University

(P509) DEMOGRAPHIC CHARACTERISTICS AND OUTCOMES IN NEVER-TOBACCO, NEVER-ALCOHOL USERS WITH ORAL CAVITY SQUAMOUS CELL CARCINOMA

Emily Z Yan, BS¹; Benjamin M Wahle, MD¹; Smrithi Chidambaram, BS¹; Erik R Nakken, BS, BA¹; Wade L Thorstad, MD²; Angela L Mazul, PhD, MPH¹; Jose P Zevallos, MD, MPH, FACS¹; ¹Department of Otolaryngology–Head and Neck Surgery, Washington University School of Medicine, St. Louis, Missouri, U.S.A.; ²Department of Radiation Oncology, Washington University School of Medicine, St. Louis, Missouri, U.S.A.

(P510) TUMOR BED MARGINS VS SPECIMEN MARGINS IN ORAL CAVITY CANCER: TOO CLOSE TO CALL?

Noémie Villemure-Poliquin, MD, MSc¹; Olivier Michaud, MD²; François Thuot, MD, FRCSC¹; Jacinthe Chênevert, MD, FRCPC²; Nathalie Audet, MDCM, FRCSC¹; ¹Département d'ophtalmologie et d'oto-rhino-laryngologie – chirurgie cervico-faciale, Faculté de Médecine, Université Laval, Québec, QC, Canada; ²Département d'anatomo-pathologie, Faculté de Médecine, Université Laval

(P511) IMPACT OF PERINEURAL INVASION ON ONCOLOGIC OUTCOMES IN EARLY-STAGE ORAL CAVITY SQUAMOUS CELL CARCINOMA. A SEVEN-INSTITUTION ANALYSIS OF 532 PATIENTS

Andrew J Holcomb, MD¹; Claire Tolan, BA²; Erin Whiteford, MS²; Christina Ward, MS³; Mark Villwock, MS⁴; Erin Dimon, BS⁴; Kiran Kakarala, MD⁴; Yelizaveta Shnayder, MD⁴; Kevin Sykes, PhD⁴; Christopher Lominska, MD⁴; Gregory Gan, MD, PhD⁴; Elyse K Hanly, MD, PhD⁵; Marisa R Buchakjian, MD, PhD⁵; Brette Harding, MD⁶; Laura Dooley, MD⁶; Justin Shinn, MD⁷; C. Burton Wood, MD⁷; Sarah Rohde, MD⁷; Sobia Khaja, MD⁸; Nicholas B Abt, MD¹; Mark A Varvares, MD¹; Andrés M Bur, MD⁴; ¹Massachusetts Eye and Ear / Harvard Medical School; ²Department of Head & Neck Surgical Oncology, Estabrook Cancer Center, Nebraska Methodist Hospital; ³University of Kansas Department of Otolaryngology Head and Neck Surgery; ⁴University of Kansas Medical Center; ⁵University of Iowa; ⁶University of Missouri; ⁷Vanderbilt University; ⁸University of Minnesota

POSTER LISTINGS

(P512) HPV POSITIVE ORAL CAVITY CANCER

John T Loree, MD¹; Christopher J Hughes, MBBS, FRACS, FAHNS²; Michael Y Nagai, MD, DDS²; Mark S Burke, MD²; Saurin R Popat, MD, MBA²; Thom R Loree, MD²; ¹Temple University Hospital System, Department of Surgery; ²Department of Head & Neck Surgery and Plastic & Reconstructive Surgery, Erie County Medical Center; Department of Otolaryngology-Head & Neck Surgery; Department of Surgery, State University of New York at Buffalo, Buffalo, New York

(P513) IDENTIFYING GENERATIONAL RISK FACTORS OF ORAL TONGUE SQUAMOUS CELL CARCINOMA

Shreya Mathur, BA; Albert Y Han, MD, PhD; Dipti Sajed, MD, PhD; Maie St. John, MD, PhD; University of California, Los Angeles

(P514) THE EFFECT OF RECONSTRUCTION ON POSITIVE MARGIN RATES IN ORAL CANCER: USING LENGTH OF STAY AS A PROXY MEASURE FOR FLAP RECONSTRUCTION IN A NATIONAL DATABASE

David A Campbell, MD¹; Patrick Pipkorn, MD²; Sidharth Puram, MD, PhD²; Vasu Divi, MD³; Michael Stadler, MD¹; Becky Massey, MD¹; Bruce Campbell, MD¹; Evan Graboyes, MD⁴; Mark A Varvares, MD⁵; Jeremy D Richmon, MD⁵; Joseph Zenga, MD¹; ¹Medical College of Wisconsin; ²Washington University School of Medicine; ³Stanford University School of Medicine; ⁴Medical University of South Carolina; ⁵Massachusetts Eye and Ear, Harvard Medical School

(P516) INDICATIONS FOR GASTROSTOMY TUBE PLACEMENT IN ORAL CANCER PATIENTS UNDERGOING RESECTION WITH IMMEDIATE FREE FLAP RECONSTRUCTION

Libby R Copeland-Halperin, MD¹; Prashanthi Divakar, MD¹; Nina Shank, MD¹; Laura C Herrera-Gomez, BA²; Talia Stewart, MD²; Joshua J Levy, BA²; John F Nigriny¹; Joseph A Paydarfar¹; ¹Dartmouth Hitchcock Medical Center; ²Geisel School of Medicine

(P518) ASSESSING RISK OF ORAL CANCER PROGRESSION USING AN S100A7 IMMUNOHISTOCHEMICAL SIGNATURE-BASED ASSAY

Mark R Darling, BChD, MSc, DentMed, MChD¹; Emma MacDonald²; Taylor P McGuire, BSc, DDS, MSc, FRCDC, DIP, ABOMS, FACS²; Christina McCord, MSc, DDS, FRCDC¹; Jason T Hwang, HBSc, MSc, PhD³; ¹The University of Western Ontario; ²Argyle Associates Oral & Maxillofacial Surgery; ³Proteocyte Diagnostics Inc.

(P522) IMPACT OF HISTOLOGIC RISK FACTORS ON RECURRENCE RATES FOR ORAL CAVITY SQUAMOUS CELL CARCINOMA

Maxwell P Kligerman, MD, MPH; Peter Moon, BA; Mahbuba Tusty, BA; Jeffrey M Cloutier, MD; Christopher F Holsinger, MD; Vasu Divi, MD; Stanford

(P523) THE IMPACT OF POSITIVE MARGINS ON SURVIVAL IN ORAL CAVITY SQUAMOUS CELL CARCINOMA

Vishaal Patel¹; Thomas Galloway, MD²; Jeffrey Liu, MD²; ¹Temple University; ²Fox Chase Cancer Center

(P524) POSITIVE MARGINS MATTER REGARDLESS OF SUBSEQUENT RESECTION FINDINGS

Brendan Coutu, MD; Evan Ryan, BS; Dallin Christensen, MD; Elizabeth Bradford Bell, MD; Weining Zhen; Zafar Sayed, MD; University of Nebraska Medical Center

(P525) THE DEVELOPMENT OF FOREIGN ACCENT SYNDROME FOLLOWING ORAL CAVITY SURGERY - A CASE SERIES AND REVIEW OF THE LITERATURE

Nicole M Fowler, MD; Claudia I Cabrera, MD; University Hospitals Cleveland Medical Center

(P526) REAL-TIME RAMAN SPECTROSCOPY IN MARGIN ANALYSIS OF HEAD AND NECK SQUAMOUS CELL CARCINOMA PATIENTS

Chwee Ming Lim¹; Chi Shu²; Kan Lin²; Zhi Wei Huang²; ¹Singapore General Hospital, Duke-NUS Medical School; ²National University of Singapore

Oropharynx / HPV Related Disease Poster Abstracts

(P527) UNDERSTANDING PREDICTORS OF SURVIVAL IN OLDER ADULTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA

Traeden Wilson¹; Lindsay Fleischer¹; Shivam Patel¹; Anil Bhatnager¹; Nadir Ahmad, MD, FACS²; Kinjal Dargan, MD³; Gregory Kubicek, MD⁴; ¹Cooper Medical School of Rowan University, Camden, New Jersey 08103, USA; ²Department of Otolaryngology - Head and Neck Surgery, Cooper University Hospital, Camden, NJ 08103, USA; ³Department of Hematology and Medical Oncology, Cooper University Hospital, Camden, NJ 08103, USA; ⁴Department of Radiation Oncology, Cooper University Hospital, Camden, NJ 08103, USA

(P528) ASPIRIN USE AND THE ROLE OF PIK3CA RNA EXPRESSION AS A BIOMARKER IN HEAD AND NECK CANCERS

Wesley H Stepp, MD, PhD; Nicholas Lenze, MPH; Samip N Patel, MD; Trevor G Hackman; Catherine J Lumley, MD; University of North Carolina

POSTER LISTINGS

(P529) TREATMENT OF HEAD AND NECK CARCINOMA OF UNKNOWN PRIMARY: CRACKING A NUT WITH A SLEDGEHAMMER?

Diako Berzenji; Dominiek Monserez; Gerda Verduijn; Emilie Dronkers; Peter Jansen; Stijn Keereweer; Aniel Sewnaik; Robert Jan Baatenburg de Jong; Jose Hardillo; Erasmus MC Cancer Institute

(P530) PREVALENCE OF HPV IN TUMOR SAMPLES FROM 761 PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA AND ITS ASSOCIATION TO CLINICAL AND EPIDEMIOLOGICAL DATA IN BRAZILIAN PATIENTS

Adolfo C Sasaki, MD¹; Leonardo F Rios, MD, PhD¹; Pamela O Soares, MSc¹; Jose E Levi, PhD²; Rosana V Lopez, MPH, PhD³; Alexandre B Santos, MD, PhD³; Raquel A Moyses, MD, MPH, PhD¹; Luiz P Kowalski, MD, PhD¹; ¹Head and Neck Surgery Department - LIM²⁸ - Hospital das Clinicas HCFMUSP, Faculdade de Medicina, Universidade de Sao Paulo, Sao Paulo, SP, Brazil; ²Institute for Tropical Medicine, Universidade de Sao Paulo, Sao Paulo, SP, Brazil; ³Instituto do Cancer do Estado de Sao Paulo (ICESP) - Hospital das Clinicas HCFMUSP, Faculdade de Medicina, Universidade de Sao Paulo, Sao Paulo, SP, Brazil

(P531) A COMPARISON OF EXPOSURE TECHNIQUES FOR TRANSORAL ROBOTIC SURGERY

Kevin J Carlson, MD; Matthew J Bak, MD; Jonathan R Mark, MD; Eastern Virginia School of Medicine

(P533) TREATMENT FAILURE PATTERNS IN P16+ AND P16- OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Chelsea S Hamill, MD; Richard G Muller, MD; Kate Clancy, MD; Brandon Vu, BS; Laurel Gui, PhD; Jason E Thuener; Jay Wasman, MD; Shawn Li, MD; Nicole Fowler, MD; Rod P Rezaee, MD; Pierre Lavertu, MD; Theodoros N Teknos, MD; Quintin Pan, PhD; Wendi Q O'Neill, MD, DDS; University Hospitals/Cleveland Medical Center

(P536) PROGNOSTIC IMPACT OF HPV STATUS AND DISEASE-FREE INTERVAL IN SALVAGE SURGERY FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Daniel Sharbel, MD¹; Katie Melder²; Patrick Morgan³; Daniel Blumenthal⁴; Sungweon Kim²; David Neskey⁵; James K Byrd¹; William G Albergotti¹; ¹Medical College of Georgia at Augusta University, Department of Otolaryngology-Head and Neck Surgery; ²University of Pittsburgh Medical Center, Department of Otolaryngology-Head and Neck Surgery; ³University of Miami Miller School of Medicine, Department of Otolaryngology-Head and Neck Surgery; ⁴George Washington University School of Medicine, Department of Otolaryngology-Head and Neck Surgery; ⁵Medical University of South Carolina, Department of Otolaryngology-Head and Neck Surgery

(P537) PATHOS: A PHASE III TRIAL OF RISK-STRATIFIED, REDUCED INTENSITY ADJUVANT TREATMENT IN PATIENTS UNDERGOING TRANSORAL SURGERY FOR HUMAN PAPILLOMAVIRUS (HPV)-POSITIVE OROPHARYNGEAL CANCER

Christie Heiberg¹; J Canham¹; N Palaniappan²; M Beasley³; M Robinson⁴; N Powell⁵; C Simon⁶; A Dietz⁷; S Tribius⁸; C Hurt¹; L Nixon¹; C Frayne¹; H Timmins¹; R Wilson¹; B Haughey⁹; S Kandula⁹; B Panizza¹⁰; S Porceddu¹⁰; H Mirghani¹¹; P Blanchard¹²; S Wiegand⁷; T Kuhnt⁷; TM Jones¹³; M Evans²; ¹Centre for Trials Research; ²Velindre University NHS Trust; ³University Hospitals Bristol and Weston NHS Foundation Trust; ⁴Royal Victoria Infirmary; ⁵Cardiff University School of Medicine; ⁶University of Lausanne; ⁷Leipzig University; ⁸Hermann-Holthausen Institute of Radiation Oncology; ⁹Advent Health; ¹⁰Metro South Health; ¹¹European Hospital Georges Pompidou; ¹²Institut de Cancerologie Gustave Roussy; ¹³Liverpool Head and Neck Centre

(P538) EXPERIENCE WITH TRANSORAL STYLOIDECTOMY FOR EAGLE SYNDROME IN CANADA: A CASE SERIES

Jonathan Reid; Daniel O'Connell, MD, MSc; University of Alberta Division of Otolaryngology – Head and Neck Surgery

(P540) OUTCOMES OF A TUMOR BOARD BASED PROTOCOL FOR OROPHARYNGEAL CANCER TREATMENT

Jin Soo Song; Hadi Seikaly; Daniel O'Connell; Jeffery Harris; Vincent Biron; University of Alberta, Division of Otolaryngology - Head and Neck Surgery

(P541) COMPARISON OF THE EFFECTIVENESS OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA TREATMENT OVER TWO TIME PERIODS WITH RESPECT TO HPV INCIDENCE

Janez Mohorko, MD; Boštjan Laničnik, MD, PhD; UMC Maribor

(P542) ASSESSING TEMPORAL CHANGES IN SKELETAL MUSCLE MASS IN OROPHARYNGEAL CANCER PATIENTS UNDERGOING TRANSORAL ROBOTIC SURGERY

Gopika Hari; Ricardo J Ramirez, MD; Sophie P Gerndt, MD; Hilary Orlowski, MD; Angela Mazul, PhD, MPH; Jose Zevallos, MD, MPH; Washington University in St. Louis

(P543) ACCURACY OF ULTRASOUND-GUIDED VERSUS PALPATION-GUIDED FINE NEEDLE ASPIRATION IN PATIENTS WITH HUMAN PAPILLOMAVIRUS-ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

T J Haller, MD; K M Van Abel, MD; L X Yin, MD; C M Lohse, M, MS; J N Badaoui, MD; D L Price, MD; J L Kasperbauer, MD; E J Moore, MD; Mayo Clinic (Rochester, MN)

POSTER LISTINGS

(P544) DETECTION OF SECRETORY LEUKOCYTE PROTEASE INHIBITOR AS A POTENTIAL SALIVARY BIOMARKER OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Franklin Wu, BA; Margaret Nurimba, MD; Suma Gudipati, BA; Diane DaSilva, PhD; Martin Kast, PhD; Uttam Sinha, MD; Keck School of Medicine

(P545) TOPICAL HEMOSTATIC AGENTS AND RISK OF POSTOPERATIVE HEMORRHAGE AFTER TRANSORAL ROBOTIC SURGERY

Guillermo Maza, MD; Arun Sharma, MD, MS, FACS; Department of Otolaryngology - Head and Neck Surgery. Southern Illinois University

(P546) ASSOCIATION BETWEEN E-CIGARETTE USE AND HIGH RISK ORAL HPV INFECTION

Patrick Herndon¹; Japnam Jassal²; John Cramer, MD²; ¹Oakland University William Beaumont School of Medicine; ²Wayne State University School of Medicine

(P547) IMPACT OF TREATMENT CHOICE, SURGICAL VS. NON-SURGICAL, ON THE PROGNOSIS OF COMPLETE RESPONDERS IN P16+ AND P16- OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS

Richard G Muller, MD¹; Chelsea S Hammill, MD¹; Brandon Vu, BS²; Jason E Thuener, MD¹; Jay Wasman, MD¹; Shawn Li, MD¹; Nicole M Fowler, MD¹; Rod P Rezaee, MD¹; Pierre Lavertu, MD¹; Theodoros N Teknos, MD¹; Quintin Pan, PhD²; Wendi Q O'Neill, MS, DDS²; ¹University Hospitals Cleveland Medical Center; ²Case Western Reserve University

(P548) ONCOLOGIC OUTCOMES IN PREDOMINANTLY MINORITY UNDERSERVED PATIENTS PRESENTING WITH OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Brielle R Crovetti, BSA¹; Zipei Feng, MD, PhD²; Angela D Haskins, MD²; Vlad C Sandulache, MD, PhD²; David J Hernandez, MD²; ¹Baylor College of Medicine; ²Baylor College of Medicine Bobby R. Alford Department of Otolaryngology Head and Neck Surgery

(P549) COMPARISON OF MARGINS AND SURVIVAL BETWEEN TRANSORAL ROBOTIC SURGERY (TORS) AND NON-ROBOTIC ENDOSCOPIC SURGERY FOR OROPHARYNGEAL CANCER

Matthew Groysman, BS; Steven J Wang, MD; Audrey Baker, MD; Shethal Beareally, MD; University of Arizona Department of Otolaryngology and Head and Neck Surgery

(P550) DO TREATMENT-RELATED PARAMETERS ACCOUNT FOR RACIAL SURVIVAL DIFFERENCES IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA? A NATIONAL CANCER DATABASE STUDY

Daniel Zhu¹; Amanda Wong¹; Eun Jeong Oh²; Seungjun Ahn³; Michael Wotman⁴; Tanmay Sahai⁵; Danielle Bottalico⁶; Douglas Frank⁷; Tristan Tham⁷; ¹Donald and Barbara Zucker School of Medicine at Hofstra/Northwell; ²University of Pennsylvania Perelman School of Medicine; ³College of Public Health and Health Professions, University of Florida; ⁴Department of Medicine, Icahn School of Medicine at Mount Sinai Hospital, New York, NY; ⁵Department of Hematology and Oncology, Lenox Hill Hospital, New York, NY; ⁶Department of Otolaryngology-Head and Neck Surgery, Albert Einstein College of Medicine, Bronx, NY; ⁷Department of Otolaryngology, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

(P551) TRANSORAL ROBOTIC SUBMANDIBULAR GLAND TRANSPOSITION TO RECONSTRUCT RADICAL TONSILLAR RESECTION DEFECTS

Allen H Young, MD; Jo-Lawrence Bigcas, MD; Albert Yang, MD; Nathan Reeve, MD; Yuna Kim, MD; Robert C Wang, MD, FACS; University of Nevada at Las Vegas

(P553) P16 IS A PROGNOSTIC BIOMARKER IN ANTI-PD-1 IMMUNOTHERAPY-TREATED RECURRENT/METASTATIC OROPHARYNGEAL SQUAMOUS CELL CARCINOMA PATIENTS

Kate Clancy, MD¹; Chelsea S Hamill, MD¹; Wendi Q O'Neill, MS, DDS¹; Jason Thuener, MD¹; Laurel Gui, PhD²; Shawn Li, MD¹; Nicole Fowler, MD¹; Rod Rezaee, MD¹; Pierre Lavertu, MD¹; Jay Wasman, MD¹; Monaliben Patel, MD¹; Anant Madabhushi, PhD³; Theodoros N Teknos, MD¹; Quintin Pan, PhD²; ¹University Hospitals Cleveland Medical Center; ²University Hospitals Seidman Cancer Center; ³Case Western Reserve University

(P554) A META-ANALYSIS OF THE QUALITY OF LIFE (QOL) OF RADICALLY TREATED LOCALLY ADVANCED OROPHARYNGEAL CANCERS

Arjun G Singh, MDS, MFDS, RCPS; Natarajan Ramalingam; Florida Sharin; Vidisha Tuljapurkar; Deepa Nair; Pankaj Chaturvedi; Tata Memorial Hospital, Mumbai

POSTER LISTINGS

(P555) IMPROVED DISTANT METASTASIS-FREE SURVIVAL WITH INDUCTION CHEMOTHERAPY FOLLOWED BY SURGERY IN PATIENTS WITH HPV-ASSOCIATED OROPHARYNX CANCER

Liang Chen, MD¹; Marco A Mascarella, MD, MSc, PhD²; Sarah Khalife, MD¹; Agnihotram V Ramanakumar, PhD¹; Keith Richardson, MD¹; Arjun S Joshi, MD³; Reza Taheri, MD, PhD³; Andrew Fuson, MD³; Reza Forghani, MD, PhD¹; Nathaniel Bouganin, MD¹; Robert Siegel, MD³; Alex M Mlynarek, MD¹; Michael P Hier, MD¹; Nader Sadeghi, MD¹; ¹McGill University; ²University of Pittsburgh; ³George Washington University

(P556) THE ROLE OF MARGIN STATUS AFTER TORS FOR HPV-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CANCER

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(P558) GEOGRAPHIC VARIATION OF HPV-RELATED CANCER INCIDENCE IN KENTUCKY USING SPATIAL SCAN STATISTIC

Alexandra Kejner, MD; Warren Christian; Feitong Lei; Xihua Mao; Benjamin Lehmkuhl, DO; Skylar Trott, MD; University of Kentucky

(P559) TREATMENT PARADIGMS AND SURVIVAL OUTCOMES FOR HPV-ASSOCIATED OROPHARYNGEAL CANCER PATIENTS USING THE NATIONAL CANCER DATABASE

Danielle Victoriano; Shreya Viswanathan; Jason A Brant, Assistant Professor; Robert Brody, Assistant Professor; University of Pennsylvania

(P560) ANALYSIS OF LYMPH NODE INVOLVEMENT PATTERN IN SQUAMOUS CELL CARCINOMA OF THE OROPHARYNX SUBMITTED TO TRANSORAL ROBOTIC SURGERY AND NECK DISSECTION

Jessica Marquet¹; Paula Moretzsohn¹; Fernando Dias¹; Larissa Porfirio²; Izabella Santos¹; Emilio Tosto¹; Pedro Henrique Goncalves¹; ¹INCA; ²HFAG

(P561) COMORBIDITY SCORE AS A PREDICTOR OF TREATMENT SELECTION AND SURVIVAL OUTCOMES IN PATIENTS WITH HPV-ASSOCIATED OROPHARYNGEAL CANCER

Samantha Shave, BS; Roger K Henry, BS, MBS; Craig A Bollig, MD; Rutgers Robert Wood Johnson Medical School

(P562) GENDER-BASED DIFFERENCES IN OUTCOMES AMONG SURGICALLY TREATED PATIENTS WITH HPV-ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Ryan M Carey; Justin R Shinn, MD; Leila J Mady, MD, PhD, MPH; Harman S Parhar, MD, MPH; David Shimunov; Karthik Rajasekaran, MD; Steven B Cannady, MD; John N Lukens, MD; Alexander Lin, MD; Samuel Swisher-McClure, MD; Roger B Cohen, MD; Joshua M Bauml, MD; Charu Aggarwal, MD, MPH; Jason G Newman, MD; Ara A Chalian, MD; Christopher H Rassekh, MD; Devraj Basu, MD, PhD; Bert W O'Malley, Jr, MD; Gregory S Weinstein, MD; Robert M Brody, MD; University of Pennsylvania

(P563) UNKNOWN PRIMARY METASTATIC SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK IN A NON-HPV ENDEMIC REGION

Yoni Shopen, MD; Sharon Tzelnick, MD, MPH; Thomas Shpitzer, MD; Gideon Bachar, MD; Aviram Mizrachi, MD; Department of Otolaryngology - Head and Neck Surgery, Rabin Medical Center, Petah Tikva

(P564) HEMORRHAGE FOLLOWING TREATMENT FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMA: A CASE SERIES

Madelyn N Stevens, MD¹; John-Nicolas Gallant, MD, PhD¹; Michael Feldman, MD²; Alexander Langerman, MD¹; Young Kim, MD, PhD¹; Sarah L Rohde, MD¹; Kyle Mannion, MD¹; Robert Sinard, MD¹; James L Netterville, MD¹; Rohan Chitale, MD²; Michael C Topf, MD¹; ¹Dept of Otolaryngology - Vanderbilt University Medical Center; ²Dept of Neurological Surgery - Vanderbilt University Medical Center

(P565) PRESURGICAL CHEMOTHERAPY FOR HPV POSITIVE OROPHARYNGEAL SQUAMOUS CANCERS

John T Loree, MD¹; Mark S Burke, MD²; Joseph L Muscarella, DO³; Naheed Alam, MD⁴; Jenny Romero, MD⁴; Daniel Ford, PA⁴; Michael Y Nagai, DDS, MD²; Christopher J Hughes, MBBS²; Saurin R Popat, MD, MBA²; Adam R Szymanowski, MD³; Thom R Loree, MD²; ¹Department of Surgery, Temple University Health System; ²Department of Head and Neck and Plastic Surgery, Erie County Medical Center; Department of Otolaryngology-Head and Neck Surgery, University of Buffalo; ³University of Buffalo, Department of Otolaryngology-Head and Neck Surgery; ⁴Erie County Medical Center Department of Medical Oncology

(P566) COMPARISON OF PET/CT VERSUS TRIPLE ENDOSCOPY IN INITIAL WORKUP OF P16+ OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Richard G Muller, MD; Mark Weidenbecher, MD; David Ludlow, MD; Case Western Reserve University

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(P567) BRANCHIAL CLEFT CYST CARCINOMA: MORE CLARITY OR CONFUSION IN THE ERA OF HPV TESTING?

Tam Ramsey; Brian Lee; Vilok Desai; Neil Gildener-Leapman; Lisa Galati; Albany Medical Center

(P569) OROPHARYNGEAL CANCER; SURVIVAL OF THE ELDERLY.

T.J. de Jong, MSc; J.A. Hardillo, Dr; M.C. Dorr, MSc; E.A.C. Dronkers, Dr; Erasmus MC

(P570) COMPARISON OF PATIENTS WITH OROPHARYNX CANCER TREATED WITH TRANSORAL ROBOTIC SURGERY BASED ON UTILIZATION OF FREE FLAP RECONSTRUCTION; A RETROSPECTIVE REVIEW

Vincent J Anagnos, DO; Justin Shinn, MD; Leila J Mady, MD, PhD; David Shimunov; Gregory Weinstein, MD; Jason Newman, MD; Bert O'Malley, MD; Steven Cannady, MD; Karthik Rajasekaran, MD; Ara Chalian, MD; Devraj Basu, MD; Robert Brody, MD; University of Pennsylvania

(P571) METFORMIN AND OROPHARYNGEAL SQUAMOUS CELL CARCINOMA SURVIVAL

Manish Shaha; Payam Entezami; Ameya Asarkar; Jose Flores; Adam Blanchard; Taylor Thompson; Tara Moore-Medlin; Cherie Ann Nathan; LSU Shreveport

(P572) COST ANALYSIS OF PANENDOSCOPY VERSUS PET/CT IN THE DIAGNOSIS OF SYNCHRONOUS PRIMARIES IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS

Payam Entezami, MD, MS¹; Ameya Asarkar, MD¹; Juraj Berkovic, MD¹; Amol Takalkar, MD, MBA²; Cherie Ann Nathan, MD, FACS¹; ¹LSU Shreveport; ²Emory University

(P573) OROPHARYNGEAL RECONSTRUCTION IN THE ERA OF TRANSORAL SURGERY - AN ALGORITHMIC APPROACH

Daniel A O'Connell, MD, MSc; Vincent Biron, MD; Paul Tabet, MD; University of Alberta

(P574) EXTRATUMORAL INVASION: A UNIQUE PHENOMENON OF AGGRESSIVE RECURRENT UPPER AERODIGESTIVE TRACT SQUAMOUS CELL CARCINOMA

Gabriella Seo, BS¹; Monica H Xing, BA¹; Ammar Matloob, MD²; Neil Mundi, MD³; Noel Phan³; Shabnam Samankan³; Azita S Khorsandi, MD⁴; Raymond L Chai, MD, FACS³; Mark L Urken³; Margaret Brandwein-Weber³; ¹Icahn School of Medicine at Mount Sinai; ²The Thyroid, Head and Neck Cancer (THANC) Foundation

(P575) PROSPECTIVE ASSESSMENT OF MULTIPLE HPV+ OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS

Connor J O'Boyle¹; Daniel L Faden, MD²; Derrick T Lin, MD²; Daniel G Deschler, MD²; Andrew R Larson, MD²; Kevin S Emerick, MD²; Mark A Varvares, MD²; William C Faquin, MD, PhD³; Peter M Sadow, MD, PhD³; Jeremy D Richmon, MD²; ¹Tufts University School of Medicine, Massachusetts Eye and Ear Infirmary, Boston, MA.; ²Department of Otolaryngology-Head and Neck Surgery, Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA.; ³Department of Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA.

(P576) IMPACT OF SMOKING ON STAGE-SPECIFIC SURVIVAL IN HPV ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Peter Horwich, MD, FRCSC¹; Abhijit Gundale, MD¹; Stephen Patin, MPH¹; Jose Flores, PhD²; Tara Moore Medlin, BS¹; Brent Chang, MD, FRCSC, FACS¹; Cherie-Ann Nathan, MD, FACS¹; ¹LSU Health Shreveport; ²Yale University School of Medicine

(P577) PRIMARY SUBSITE VARIATIONS IN SURGICALLY TREATED HPV-ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Ryan M Carey, MD; Justin R Shinn, MD; Leila J Mady, MD, MPH; David Shimunov; Karthik Rajasekaran, MD; Steven B Cannady, MD; Ara A Chalian, MD; Christopher H Rassekh, MD; Devraj Basu, MD, PhD; Bert W O'Malley, Jr, MD; Jason G Newman, MD; Gregory S Weinstein, MD; Robert M Brody, MD; University of Pennsylvania

(P580) INCIDENCE OF NODAL METASTASIS TO LEVEL IB IN HPV ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA MANAGED WITH TRANSORAL ROBOTIC SURGERY

Alexander Michael, MD; Madia C Russillo, MD; Marisa R Buchakjian, MD; Nitin A Pagedar; Rodrigo Bayon; University of Iowa

(P581) THE GENETIC LANDSCAPE OF HUMAN PAPILLOMAVIRUS 16 E6/E7 REGION IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Albert Y Han, MD, PhD¹; Tian-Hao Zhang²; Yazeed Alhiyari, PhD²; Amanda Miller²; Ren Sun, PhD³; Maie A St. John, MD, PhD¹; ¹UCLA Health; ²David Geffen School of Medicine at UCLA; ³The University of Hong Kong

POSTER LISTINGS

(P582) LONG TERM PATIENT-REPORTED SWALLOWING FUNCTION FOLLOWING NEOADJUVANT CHEMOTHERAPY AND TRANSORAL SURGERY FOR OROPHARYNGEAL CARCINOMA

Esther Lee¹; Daniel Gorelik²; Hannah R Crowder²; Christopher Badger, MD²; Nader Sadeghi, MD³; Arjun Joshi, MD²; Joseph Goodman, MD²; Punam Thakkar, MD²; ¹Western University of Health Sciences; ²George Washington University School of Medicine and Health Sciences; ³McGill University Health Centre

(P583) PREVALENCE OF NONSTEROIDAL ANTI-INFLAMMATORY DRUGS AND ASPIRIN USE AMONGST OROPHARYNGEAL CANCER PATIENTS

Andrew W Agnew, DO; Robbert J Slebos; Martha Abrahamsen, MPH; Kimberly A Isaacs-Soriano, MPH; Kristen Otto, MD; Joaquim Farinhas, MD; Caitlin P McMullen, MD; Krupal B Patel, MD; J Trad Wadsworth, MD; Christine H Chung, MD; Anna R Giuliano, PhD; Moffitt Cancer Center

(P584) A REPORT OF OUTCOMES, WORK FLOW, AND TECHNICAL INSIGHTS FOR PATIENTS UNDERGOING TRANSORAL ROBOTIC SURGERY (TORS) FOR HEAD AND NECK CANCER: A COMPARISON OF DA VINCI SI AND SP SYSTEM UTILIZATION.

Jennifer D Moy, MD; Nicholas Oberhelman; Ryan Li, MD, FACS; OHSU

(P585) FEASIBILITY OF DETECTING HUMAN BETA-DEFENSIN 3 AS A POTENTIAL SALIVARY BIOMARKER OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Margaret Nurimba, MD; Franklin Wu, BA; Suma Gudipati, BA; Diane DaSilva, PhD; Martin Kast, PhD; Uttam Sinha, MD; Keck School of Medicine

(P586) ASSOCIATION BETWEEN TREATMENT PACKAGE TIME AND MULTIMODALITY TREATMENT OUTCOMES IN HPV-ASSOCIATED HEAD AND NECK CANCER: A MULTI-INSTITUTIONAL COHORT EXPERIENCE.

Gaurav Shukla, MD, PhD¹; Max Pickles, BS¹; Samuel L Garrett, MD²; Andrew J Song, MD³; Voichita Bar-Ad, MD²; Neil Hockstein¹; Su Jung Park, MD¹; Adam Raben, MD¹; ¹Helen F Graham Cancer Center; ²Thomas Jefferson University; ³Inova Schar Cancer Institute

(P587) POSTOPERATIVE LYMPHOPENIA IS ASSOCIATED WITH INCREASED RISK OF DISEASE PROGRESSION IN SURGICALLY TREATED PATIENTS WITH HUMAN PAPILLOMAVIRUS ASSOCIATED OROPHARYNGEAL CANCER

Linda X Yin, MD¹; David M Routman, MD²; Courtney N Day, BS³; William S Harmsen, BS³; Daniel L Price, MD¹; Jan L Kasperbauer, MD¹; Eric J Moore, MD¹; Robert L Foote, MD²; Michelle Neben-Wittich, MD²; Ashish V Chintakuntlawar, MBBS, PhD⁴; Daniel J Ma, MD²; Katharine A Price, MD⁴; Kathryn M Van Abel, MD¹; ¹Mayo Clinic Department of Otolaryngology - Head and Neck Surgery; ²Mayo Clinic Department of Radiation Oncology; ³Mayo Clinic Department of Biomedical Statistics and Informatics; ⁴Mayo Clinic Department of Medical Oncology

(P589) PATIENT-PERCEIVED SWALLOWING FUNCTIONAL OUTCOMES FOLLOWING SALVAGE ROBOTIC SURGERY FOR OROPHARYNGEAL CANCER

Pedro Goncalves; Izabella Santos; Freitas Andressa; Fernando Dias; BNCI

(P590) LONG TERM PATIENT-REPORTED QUALITY OF LIFE FOLLOWING NEOADJUVANT CHEMOTHERAPY AND TRANSORAL SURGERY FOR OROPHARYNGEAL CARCINOMA

Esther Lee¹; Hannah R Crowder²; Daniel Gorelik²; Christopher Badger²; Nader Sadeghi, MD³; Arjun Joshi²; Joseph Goodman²; Punam Thakkar²; ¹Western University of Health Sciences; ²George Washington University School of Medicine and Health Sciences; ³McGill University Health Centre

(P591) EFFICACY OF SUCRALFATE IN ALLEVIATING POST TONSILLECTOMY SYMPTOMS AND MORBIDITY: A CASE CONTROL DESIGN STUDY

Parvendra Singh, MS, ENT¹; Sumeet Angral, MS, DNB ENT²; ¹All India Institute of Medical Sciences - Rishikesh; ²AIIMS Deoghar

(P592) THE LATE EFFECTS OF TREATING A CHANGING OROPHARYNGEAL CARCINOMA POPULATION

Hilary McCrary¹; Sarah Abdelaziz²; Kerry Rowe³; John Snyder³; Vikrant Deshmukh⁴; Michael Newman⁴; Alison Fraser⁵; Ken Smith⁵; Mia Hashibe²; Marcus Monroe¹; ¹University of Utah, Division of Otolaryngology – Head and Neck Surgery; ²Huntsman Cancer Institute; ³Intermountain Healthcare, Salt Lake City, UT; ⁴University of Utah Health Care CMIO Office, Salt Lake City, UT; ⁵Pedigree and Population Resource, Population Sciences, Huntsman Cancer Institute, Salt Lake City, UT

(P593) CLINICAL AND GENOMIC CHARACTERIZATION OF CHEMORADIATION RESISTANT HPV-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA

Theresa Guo, MD¹; Stephanie Ting, BS¹; Fernando Zamuner, PhD²; Liam Chen, MD, PhD³; Lisa Rooper, MD²; Pablo Tamayo, PhD¹; Carole Fakhry, MD, MPH²; Daria Gaykalova, PhD⁴; Ranee Mehra, MD⁴; ¹University of California, San Diego; ²Johns Hopkins University, School of Medicine; ³University of Minnesota Medical School; ⁴University of Maryland Medical Center

POSTER LISTINGS

(P594) FEATURES PREDICTIVE OF RECURRENCE AND METASTASIS IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA: A SINGLE-INSTITUTIONAL STUDY

Alice C Yu¹; Albert Y Han, MD, PhD²; Christopher Yang¹; Jeff Liang¹; Brittany Wong¹; Dipti Sajed, MD, PhD³; Maie St. John, MD, PhD²; ¹David Geffen School of Medicine, University of California Los Angeles; ²Department of Head and Neck Surgery, University of California Los Angeles; ³Department of Pathology, University of California Los Angeles

(P595) PREVALENCE AND OUTCOMES OF OCCULT NODAL DISEASE IN SALVAGE SURGERY FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMA AFTER CHEMORADIATION FAILURE

Andrew P Katz, MD¹; Zachary Helmen, MD¹; Zoukaa Sargi, MD, MPH¹; Carmen Gomez²; Elizabeth A Nicolli, MD¹; ¹Department of Otolaryngology, University of Miami Miller School of Medicine; ²Department of Pathology, University of Miami Miller School of Medicine

(P596) DEVELOPMENT OF SECOND PRIMARY MALIGNANCIES IN HPV-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA.

Ethan J Craig, MD, MPH¹; Katelyn Stepan, MD²; S A Skillington, MD¹; Brian Deutsch, BS¹; Nneoma S Wamkpah, MD¹; Craig Bollig, MD³; Dorina Kallogieri, MD, PMH¹; Wade L Thorstad, MD¹; Patrik Pipkorn, MD¹; Ryan S Jackson, MD¹; ¹Washington University School of Medicine; ²Northwestern University Feinberg School of Medicine; ³Rutgers Robert Wood Johnson University Medical School.

(P597) THREE YEAR ANALYSIS OF A SINGLE INSTITUTIONS PROTOCOL FOR DE-ESCALATION OF HPV MEDIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA BASED ON THE AMERICAN JOINT COMMITTEE ON CANCER (AJCC) 8TH EDITION

Charles Meyer, MD¹; Panwar Aru, MD²; Coughlin Andrew²; Holcomb Andrew²; Oleg Militsakh²; William Lydiatt²; Daniel Lydiatt²; Osmolak Angela²; Duckert Randall²; William Huang²; Mirmiran Ali²; Yungpo Su³; Robert H Lindau, MD²; ¹Portsmouth Naval Hospital; ²Nebraska Methodist Hospital; ³Nebraska Cancer Specialists

(P598) DUAL FACIAL ARTERY LIGATION AND IMPLICATIONS IN TRANSORAL ROBOTIC SURGERY: ELIMINATING BACKFLOW

Roberto M Soriano, MD; Christopher J Nickel, MD; Brian J Boyce, MD; Azeem S Kaka, MD; Emory University School of Medicine, Department of Otolaryngology-Head and Neck Surgery

(P599) PREDICTING ADVERSE HISTOPATHOLOGIC FEATURES IN HUMAN PAPILLOMA VIRUS-ASSOCIATED OROPHARYNX CANCER PATIENTS UNDERGOING PRIMARY SURGERY

Aaron L Zebolsky; Katherine Wai; Patrick Carpenter; Patrick K Ha; Chase M Heaton; William R Ryan; University of California, San Francisco

(P600) NOVEL VIRTUAL WORKSHOP TO IMPROVE HPV AND OROPHARYNGEAL CANCER KNOWLEDGE AMONG INTERPROFESSIONAL STUDENTS AND TRAINEES

Shaghayegh S Azar, BS; Lauran K Evans, MD, MPH; Brooke M Su-Velez, MD, MPH; Maie A St. John, MD, PhD; Department of Head and Neck Surgery, University of California Los Angeles

(P602) EVALUATION OF PROGNOSTIC INDICES IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA IN A MULTI-ETHNIC COHORT

Isabelle J Jang¹; Ying Hao²; Anna See¹; Ze Yun Tay³; Siti Radhiah¹; Constance Teo¹; Kimberley Kiong¹; Gerald Tay¹; Gopalakrishna N Iyer¹; Tan Ngain Chye¹; Hiang Khoo Tan¹; Harold Heah¹; Chwee Ming Lim¹; ¹Singapore General Hospital; ²Singapore Health Services; ³Sengkang General Hospital

(P603) TRANSORAL ROBOTIC SURGERY FOR HPV-RELATED OROPHARYNGEAL CANCER

Celeste Kim, BS¹; Eduardo Amaya, BS¹; Marta Kulich, MD²; Mark S Swanson, MD²; ¹Keck School of Medicine of the University of Southern California; ²Caruso Department of Otolaryngology - Head and Neck Surgery, Keck School of Medicine of the University of Southern California

(P604) AN OBSERVATIONAL STUDY TO DETERMINE THE EFFECTS OF HUMAN PAPILLOMAVIRUS DIAGNOSIS ON RELATIONSHIPS OF HEAD AND NECK CANCER PATIENTS: PRELIMINARY ANALYSIS

Angela Alnemri, BS¹; Sarah Sussman, BS¹; Michele Fiorella, MS²; Raphael Banoub, MD¹; Tingting Zhan, PhD³; Jennifer M Johnson, MD, PhD⁴; Brooke Worster, MD⁵; Adam Luginbuhl, MD¹; ¹Department of Otolaryngology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; ²Sidney Kimmel Medical College, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; ³Division of Biostatistics, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; ⁴Department of Medical Oncology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; ⁵Neu Center for Supportive Medicine and Cancer Survivorship, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.

POSTER LISTINGS

Radiation / Adjuvant Treatment Poster Abstracts

(P605) RADIATION INDUCED OROPHARYNGEAL CARCINOMA

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(P606) SHORTER TIME TO ADJUVANT THERAPY FOR HPV+ OROPHARYNGEAL CANCER IS ASSOCIATED WITH IMPROVED SURVIVAL OUTCOMES: A NCDB STUDY

Hilary C McCrary, MD, MPH; Marcus M Monroe, MD; Sarah Drejet, MD; Jason P Hunt, MD; Ying Hitchcock, MD; Luke O Buchmann, MD; Don Cannon, MD; Shane Lloyd, MD; Richard B Cannon, MD; University of Utah

(P607) PHARMACOLOGIC THERAPY FOR RADIATION-INDUCED FIBROSIS FOLLOWING HEAD & NECK CANCER THERAPY: A SYSTEMATIC REVIEW

Basit Jawad, MD¹; Nrusheel Kattar²; Michael Debaeky³; Ryan Winters, MD⁴; ¹Tulane Affiliated Program in Otolaryngology; ²UQ-Ochsner School of Medicine; ³Tulane University School of Medicine; ⁴Ochsner Medical Center Department of Otolaryngology

(P608) SBRT BASED INDUCTION RADIOTHERAPY FOLLOWED BY CHEMOTHERAPY/IMMUNOTHERAPY FOR M0 LOCALLY ADVANCED HEAD AND NECK SQUAMOUS CELL CANCER.

Masao Toji, MD; Shin-yurigaoka General Hospital

(P609) CLINICAL OUTCOMES IN PATIENTS WITH THYROID CANCER TREATED WITH EXTERNAL BEAM RADIOTHERAPY (EBRT)

Kristina Lee, MBChB (hons), MRCS (ENT)¹; Alexander Pearman, Dr¹; Navin Mani, Mr¹; Kate Garcez, Dr²; ¹Manchester Royal Infirmary; ²The Christie NHS Foundation Trust

(P610) PITUITARY HORMONE DYSFUNCTION FOLLOWING RADIOTHERAPY FOR SINONASAL AND NASOPHARYNGEAL CANCERS

Mohammed Aldehaim, MBBS¹; Jack Phan, MD, PhD²; Steven Waguespack, MD²; Xin Wang, PhD²; Tze Yee Lim, PhD²; Dianna Roberts, PhD²; Ehab Hanna, MD²; Shirley Y Su, MBBS²; ¹King Faisal Specialist Hospital And Research Center; ²The University of Texas MD Anderson Cancer Center

(P612) CLINICAL OUTCOMES FOLLOWING UPFRONT DEFINITIVE RADIATION THERAPY WITH POLICY OF SELECTIVE NECK AND REDUCED DOSE ELECTIVE NECK IRRADIATION IN OROPHARYNX CANCER PATIENTS

Seung Gyu Park, MD¹; Yong Chan Ahn, MD, PhD²; Dongryul Oh, MD, PhD²; Jae Myoung Noh²; Hyun Ae Jung³; Myung-Ju Ahn³; Young Hye Ko⁴; Manki Chung⁵; Han Sin Jeong⁵; ¹Department of Radiation Oncology, Keimyung University Dongsan Medical Center, Keimyung University School of Medicine; ²Department of Radiation Oncology, Samsung Medical Center, Sungkyunkwan University School of Medicine; ³Department of Medicine (Division of Hematology-Oncology), Samsung Medical Center, Sungkyunkwan University School of Medicine; ⁴Department of Pathology, Guro Hospital, Korean University College of Medicine; ⁵Department of Otorhinolaryngology-Head and Neck Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine

(P613) STEREOTACTIC BODY RADIOTHERAPY FOR REIRRADIATION OF HEAD AND NECK CANCERS IS ASSOCIATED WITH PROLONGED SURVIVAL

Kevin Diao, MD; Theresa Nguyen, BS; Amy C Moreno, MD; Jay P Reddy, MD; Adam S Garden, MD; Catherine H Wang, PhD; Samuel Tung, MS; Congjun Wang, PhD; Xin A Wang, PhD; David I Rosenthal, MD; Clifton D Fuller, MD, PhD; Gary B Gunn, MD; Steven J Frank, MD; William H Morrison, MD; Shalin Shah, MD; Shirley Y Su, MBBS, FRACS; Renata Ferrarotto, MD; Jack Phan, MD, PhD; MD Anderson Cancer Center

(P614) IMPLANTABLE DEGRADABLE POLYMER SEEDED WITH CHEMOTHERAPEUTICS FOR DOSE DE-ESCALATION

Yazeed M Alhiyari; Amanda Miller, BS; Albert Han, MD, PhD; Jungdong Lee, PhD; Zhen Gu, PhD; Maie St. John, MD, PhD; UCLA

(P615) PREVALENCE OF SOFT TISSUE DEPOSITS AND ITS PROGNOSTIC SIGNIFICANCE IN PATIENTS WITH HEAD AND NECK CANCERS- A SYSTEMATIC REVIEW

Pallvi Kaul, Dr¹; Manu Malhotra, Dr¹; Vipin Arora, Dr²; Nishant Agarwal, Dr³; Mahendra P Singh⁴; Pankaj K Garg¹; ¹All India Institute of Medical Sciences, Rishikesh, India; ²University College of Medical Sciences and Guru Teg Bahadur Hospital, University of Delhi, India; ³University of Chicago Medicine, Chicago, IL, USA; ⁴Jawaharlal Nehru Cancer Hospital and Research Centre

POSTER LISTINGS

(P616) DOES THE SEQUENCE OF ADJUVANT RADIOACTIVE IODINE AND EXTERNAL BEAM RADIATION THERAPY IN DIFFERENTIATED THYROID CANCER AFFECT OUTCOMES?

Katherine C Wai, MD; Jason W Chan, MD; Jonathan R George, MD; Patrick K Ha, MD; William R Ryan, MD; Marika D Russell, MD; Chase M Heaton, MD; University of California San Francisco

(P617) EVALUATION OF RADIATION TREATMENT BREAKS AT A SAFETY-NET HOSPITAL

Punam Patel, MD; Cecelia Schmalbach, MD; Lewis Katz School of Medicine at Temple University

(P618) COMPARING TARGET DELINEATION OF HEAD AND NECK CANCERS WITH AND WITHOUT THE AID OF SPATIALLY REGISTERED ENDOSCOPY

Catriona M Douglas, Dr¹; Souzan Mirza²; Runjie Shi³; Jimmy Qiu⁴; Andrew Hope⁵; David A Jaffray⁴; Jonathon Irish¹; John Cho⁵; Robert A Weersink³; ¹Department of Surgical Oncology, University of Toronto, Toronto, Canada; ²Institute of Biomaterials and Biomedical Engineering, University of Toronto, Toronto, Canada; ³Radiation Medicine Program, Princess Margaret Cancer Centre, Toronto, Canada; ⁴Techna Institute, University Health Network, Toronto, Canada; ⁵Department of Radiation Oncology, University of Toronto, Toronto, Canada

(P619) IMPACT OF DELAYED ADJUVANT TREATMENT IN HEAD AND NECK CANCER OUTCOMES

Andre Vieira Forster, MD; Bruno Valim Monazzi, MD; Monica B Manna; Luisa R Lopes, MD; Thatiana Guerrieri, MD; Maria do Rosario de Oliveira Latorre, PhD; Rosilene M Menezes, MD, PhD; Hospital do Servidor Publico Municipal de Sao Paulo

(P620) EFFECT OF RADIOLOGICAL TUMOR THICKNESS ON PROGNOSIS OF EARLY GLOTTIC SQUAMOUS CELL CARCINOMA TREATED WITH RADIATION

Or Dagan, Dr¹; Uri Alkan, Dr¹; Ameen Biadsee²; Assaf Moore, Dr¹; Amit Ritter, Dr¹; Aron Popovtzer, Professor³; ¹Beilinson Medical Center; ²Meir Medical Center; ³Hadassah Medical Center

(P621) COMPARISON OF RECURRENCE IN HIGH RETROPHARYNGEAL NODAL-SPARING RADIATION TECHNIQUE IN HPV RELATED AND HPV-UNRELATED OROPHARYNGEAL CANCER IN THE IMRT ERA.

Isaac Kong, BSc; Stephan Tran, MD; Han Zhang, MD, FRCSC; Nhu-Tram A Nguyen, MD, FRCPC; McMaster University

(P622) COMPARABLE SURVIVAL WITH ACCELERATED RADIATION IN HEAD AND NECK CANCER: ANALYSIS OF THE NCDB

Thomas F Barrett, MD¹; Angela L Mazul, PhD¹; Erik Nakken, BA¹; Sarah Humble¹; Randall C Paniello, MD, PhD¹; Jose P Zevallos, MD, MPH¹; Patrik Pipkorn, MD, MSCI¹; Ryan S Jackson, MD¹; Stephen Kang, MD²; Wade Thorstad, MD¹; Sidharth V Puram, MD, PhD¹; ¹Washington University; ²The Ohio State University

(P623) SOURCES OF VARIATION IN TIMING OF MULTIDISCIPLINARY THERAPY FOR HEAD AND NECK CANCER

Kristen L Seligman, MD¹; Zaid Al-Qurayshi, MD¹; Khanh K Nguyen, MD²; Aaron T Seaman, PhD¹; Carryn M Anderson, MD¹; Nitin A Pagedar, MD¹; ¹University of Iowa; ²Loma Linda University

(P624) COMBINATION CHEMORADIO THERAPY HYPOPHARYNX CANCER USING FTORAFUR AND CISPLATIN.

Shamil Musin, Dr; Konstantin Menshikov, Dr; Nadezda Sultanbaeva, Dr; Adel Izmailov, Dr; Alexey Pushkarev, Dr; Ainur Nasretidinov, Dr; Vasilii Pushkarev, Dr; Alexander V Sultanbaev, Dr; Republican Oncology Dispensary

(P625) EFFICACY OF ADJUVANT RADIATION IN LOCALLY ADVANCED LARYNGEAL CANCERS WITH NO NODAL METASTASIS

Claudia I Cabrera, MD, MS¹; Grant Muller, MD²; Akina Tamaki, MD¹; Jill S Barnholtz-Sloan, PhD¹; Jason E Thuener, MD¹; Nicole Fowler, MD¹; Theodoros N Teknos, MD¹; Rod P Rezaee, MD¹; Shawn Li, MD¹; ¹Department of Otolaryngology- Head and Neck Surgery, University Hospitals Cleveland Medical Center, Cleveland, OH, USA; ²Ear, Nose, and Throat Institute, University Hospitals Cleveland Medical Center, Cleveland, OH

(P626) RETROSPECTIVE REVIEW OF OSTEORADIONECROSIS AFTER TREATMENT OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS

Kyle W Singerman, BS¹; Arvind K Badhey, MD¹; David L Choi, MD²; Daniel Martinez, MD¹; Andrew Frankart, MD¹; Vinita Takiar, MD¹; Brian Cervenka, MD¹; Yash Patil, MD¹; Chad A Zender, MD¹; Alice L Tang, MD¹; ¹University of Cincinnati College of Medicine; ²McMaster University Faculty of Health Sciences

(P628) OUTCOMES OF UNILATERAL TREATMENT OF UNKNOWN PRIMARY IN THE HEAD AND NECK

Olivia A Do, BS; Neeraja Konuthula, MD; Peter H Goff, MD, PhD; George E Laramore, MD; Upendra Parvathaneni, MD; Jay Liao, MD; Jeffery J Houlton, MD; Brittany R Barber, MD; University of Washington

POSTER LISTINGS

(P629) RADICAL HIGH DOSE RATE BRACHYTHERAPY (HDR-BT) TO PRIMARY TONGUE AND EXTERNAL BEAM RADIATION THERAPY (EBRT) TO THE NECK AS ADJUVANT TREATMENT FOR CARCINOMA MOBILE TONGUE - A PILOT STUDY.

Vivek J Anand, Dr; Murad Lala, Dr; [Priyanka S Alurkar, Dr](#); Sudesh Deshpande, Dr; Suresh Naidu, Mr; Kannan Venkatesan, Dr; Pradhan Sultan, Dr; P D Hinduja Hospital

(P630) A PHASE I STUDY OF RADIATION ENHANCING FUNCTIONALIZED HAFNIUM OXIDE NANOPARTICLES IN CISPLATIN-INELIGIBLE PATIENTS WITH LOCALLY ADVANCED HNSCC

[Christophe Le Tourneau, MD, PhD¹](#); Valentin Calugaru, MD, PhD¹; Edith Borcoman, MD¹; Zoltan Takacsi-Nagy, MD, PhD²; Xavier Liem, MD³; Zsuzsanna Papai, MD, PhD⁴; Jacek Fijuth, MD, PhD⁵; Victor Moreno, MD⁶; Irene Braña, MD, PhD⁷; Sébastien Salas, MD, PhD⁸; Gilles Poissonnet, MD⁹; Emiliano Calvo, MD, PhD¹⁰; Bernard Doger, MD⁶; Olivier Choussy, MD¹; Maria Lesnik, MD¹; Xavier Mirabel, MD³; Nathalie Badois, MD¹; Samar Khili, MD¹; Katell Bernois¹¹; Nicolas Fakhry, MD, PhD⁸; Stéphanie Wong Hee Kam, MD⁸; Caroline Hoffmann, MD, PhD¹; ¹Institut Curie, Paris, France; ²National Institute of Oncology, Budapest, Hungary; ³Oscar Lambret Center, Lille, France; ⁴Hungarian Defense Forces Medical Center, Budapest, Hungary; ⁵Medical University of Lodz, Lodz, Poland; ⁶START - Fundación Jiménez Díaz, Madrid, Spain; ⁷Val d'Hebron Institut of Oncology, Barcelona, Spain; ⁸Hôpital Timone, Marseille, France; ⁹Unicancer, CLC Antoine Lacassagne, Nice, France; ¹⁰START - HM Sanchinarro University Hospital, Madrid, Spain; ¹¹Nanobiotix S.A., Paris, France

(P631) INFLUENCE OF TOBACCO CESSATION ON TREATMENT RESPONSE AND SURVIVAL OUTCOMES IN HEAD AND NECK CANCER

[Matthew S Krutz](#); Rachad Mhaweji, MD; Vijay Raj; Lane Driskill; Geraldine Chissoe; Pawan Acharya; Daniel Zhao, PhD; Lurdes Queimado, MD, PhD; University of Oklahoma Health Sciences Center

(P632) VALIDATION AND COMPARISON OF COMPETING EVENT MODELS FOR LOCOREGIONALLY ADVANCED HEAD AND NECK CANCER

[Prangrawee Sangchan, MD¹](#); Tyler J Nelson, BS²; Divya P Prajapati, BS³; Bhargava Chitti, MD⁴; Casey Williamson, MD²; Caroline A Thompson, PhD⁵; Hannah Liu²; Andrew Sharabi, MD, PhD²; Jingjing Zou, PhD²; Loren K Mell, MD²; ¹Division of Radiation Oncology, Faculty of Medicine, Thammasat University, Pathum Thani, Thailand; ²Department of Radiation Medicine and Applied Sciences, University of California San Diego, La Jolla, California; ³University of California San Diego School of Medicine, San Diego, California; ⁴Bronxcare Health System, Mount Sinai School of Medicine, New York; ⁵Division of Epidemiology and Biostatistics, San Diego State University School of Public Health, San Diego, California

(P634) OBSTRUCTIVE SLEEP APNEA FOLLOWING CHEMORADIATION THERAPY FOR HEAD AND NECK CANCER TREATED WITH HYPOGLOSSAL NERVE STIMULATOR

[Rebecca Paquin, DMD, MD](#); Camilo Reyes Gelves, MD; Medical College of Georgia, Augusta University

Reconstruction / Microvascular Surgery Poster Abstracts

(P635) FREE TISSUE RECONSTRUCTION OF COMPLEX CRANIOFACIAL DEFECTS: NUANCES AND INTRICACIES

[Roberto M Soriano, MD](#); Christopher J Nickel, MD; H. Michael Baddour, MD; Brian J Boyce, MD; Jennifer H Gross, MD; Azeem S Kaka, MD; Mihir R Patel, MD; Mark W El-Deiry, MD; C. Arturo Solares, MD; Emory University School of Medicine, Department of Otolaryngology-Head and Neck Surgery

(P636) LATERAL TEMPORAL BONE AND SOFT TISSUE DEFECT RECONSTRUCTION WITH GRACILIS MYOCUTANEOUS FREE FLAP: A CASE REPORT AND REVIEW OF THE LITERATURE

[Sean P Holmes, MD](#); Cherie Ann Nathan, MD; Gauri Mankekar, MD, PhD; Peter M Horwich, MD; Brent A Chang; LSU Health Shreveport

(P637) INTRAOPERATIVE ULTRASONOGRAPHY TO IMAGE VASCULAR PEDICLE DURING FREE TISSUE TRANSFER

[Michael H Berger, MD](#); Benjamin F Bitner, MD; Monica Trent; Yarah M Haidar, MD; Tjason Tjoa, MD; University of California Irvine Department of Otolaryngology - Head and Neck Surgery

(P638) VERSATILITY OF SUPRACLAVICULAR FLAP FOR HEAD AND NECK RECONSTRUCTION

[Antonio Gomez-Pedraza, MD](#); Bernardo Rivas-Leon, MD; Sara Andrea Paredes Trejo, MD; Kuauhyama Luna Ortiz, MD; Karen A Romero Torres, MD; INSTITUTO NACIONAL DE CANCEROLOGIA

(P639) VASCULARIZED OSTEOCUTANEOUS FREE FLAPS FOR RECONSTRUCTION OF MANDIBULAR DEFECT THAT INVOLVE THE TEMPOROMANDIBULAR JOINT

Mohammed Qaisi, DMD, MD, FACS; [Joseph Fanti](#); Urjeet Patel, MD, FACS; James Murphy; Cook County Health

POSTER LISTINGS

(P640) COMBINED SUPRACLAVICULAR AND PECTORALIS FLAPS FOR CIRCUMFERENTIAL PHARYNGEAL RECONSTRUCTION

Carolyn DeBiase, MD; Thomas Nagel, MD; Mayo Clinic

(P641) IMPROVING THE FUNCTIONAL STATUS AND PATIENT WITH LOWER JAW TUMORS QUALITY OF LIFE WITH TITANIUM PLATES

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(P642) SURGICAL OUTCOMES OF SCAPULA FREE TISSUE RECONSTRUCTION OF ADVANCED HEAD AND NECK DEFECTS: A 110 PATIENT COHORT

Danielle E Scarola, MD; Oleksandr Butskiy, MD; Roberto M Soriano; Jordan Varghese; Yaw Owusu; H. Michael Baddour, MD; Brian J Boyce, MD; C. Arturo Solares; Azeem S Kaka, MD; Mihir R Patel, MD; Mark W El-Deiry, MD; Emory University

(P643) RECONSTRUCTION OF ANTERIOR SKULL BASE DEFECT USING GRACILIS FREE FLAP AFTER BREAKDOWN OF PERICRANIAL FLAP: FEASIBILITY AND TECHNICAL CONSIDERATIONS

Ming Yann Lim; Caroline Lee; Jereme Yijin Gan; Ernest Wei Zhong Fu; Li Hao; Timothy Shim; Tan Tock Seng Hospital

(P644) INFECTION RATES IN BONY FREE FLAP RECONSTRUCTIONS WITH HARDWARE: SHORT VERSUS LONG COURSE OF ANTIBIOTICS

Peter T Dziegielewski, MD, FRCSC; Spencer Nichols; Dustin Conrad, MD, FRCSC; Deepa Danan, MD; Brian Hughley, MD; University of Florida

(P646) THE USE OF THE SCAPULAR FREE FLAP IN LATERAL SKULL BASE RECONSTRUCTION

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(P648) PATHOLOGIC TIBIAL FRACTURE WITH CHRONIC OSTEOMYELITIS AFTER RECEIVING FIBULAR FREE FLAP

Emily Sagalow, BS; Ayan Kumar, MD; Joseph M Curry, MD; Thomas Jefferson University Hospital

(P649) THE ENLARGING TRACHEOESOPHAGEAL PUNCTURE DILEMMA: CONSERVATIVE VERSUS MICROVASCULAR SURGICAL REPAIR

Emily Kamen, MD; Jorge Trilles, BS; Bachar F Chaya, MD; David A Daar, MD, MBA; Eric Remer, MD; Lavinia Anzai, MD; Jamie P Levine, MD; Adam S Jacobson, MD; New York University School of Medicine/Medical Center (SSO)

(P650) DOES DIAMETER MATTER? ASSOCIATION BETWEEN MICROVASCULAR FLAP ANASTOMOSIS CALIBER AND RISK FOR DEVELOPMENT OF OSTEORADIONECROSIS.

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(P651) RECONSTRUCTION OF CIRCUMFERENTIAL PHARYNGEAL DEFECT WITH C-SHAPED (PATCH-STYLE) ANTEROLATERAL THIGH FLAP AFTER TOTAL LARYNGOPHARYNGECTOMY

Mohammad Alessa, Consultant¹; Won Shik Kim, Associated Professor²; ¹King Abdullah Medical City; ²Seoul National University Hospital

(P652) MANDIBULAR RECONSTRUCTION OF CENTRAL AND LATERAL DEFECTS WITH FIBULA AND SCAPULA FREE FLAP: BONE CONTOUR AND FACIAL PROFILE ANALYSIS.

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(P653) TUBED SUPRACLAVICULAR ARTERY ISLAND FLAP FOR REPAIR OF CIRCUMFERENTIAL PHARYNGECTOMY DEFECTS

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(P654) ARRAY OF LOCOREGIONAL RECONSTRUCTIVE OPTIONS FOR OROPHARYNGEAL DEFECTS AFTER TRANSORAL ROBOTIC SURGERY WITH CONCOMITANT NECK DISSECTION.

Abhishek Singh, MDS ORAL AND MAXILLOFACIAL SURGERY; Mudit Agarwal, MS, MRCSED, MCh, SURGICAL, ONCOLOGY; Shashank Chaudhary, MBBS, MS, ENT; RAJIV GANDHI CANCER INSTITUTE AND RESEARCH CENTRE, DELHI, INDIA

(P655) REVERSE FLOW ANTEROLATERAL THIGH FREE FLAP IN A CASE WITH SIGNIFICANT ATHEROSCLEROSIS: A VIABLE ALTERNATIVE FOR ARTERIAL MICROVASCULAR ANASTOMOSIS.

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(P656) OUTCOMES OF OSTEOCUTANEOUS FOREARM AND FIBULA FREE FLAP RECONSTRUCTION IN THE TREATMENT OF MANDIBULAR OSTEORADIONECROSIS

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(P658) HYPERINTENSITY OF INTEGRIN-TARGETED FLUORESCENCE AGENT ACCURATELY PREDICTS FLAP NECROSIS AS EARLY AS POST-OPERATIVE DAY 0

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(P659) PECTORAL-SPARING DELTOID ARTERY USE IN THE VESSEL-DEPLETED NECK

Tazheh A Kavooosi, BS; Arvind Badhey, MD; Brian Cervenka, MD; Alice Tang, MD; Chad Zender, MD, FACS; University of Cincinnati College of Medicine

(P660) OUTCOMES OF MIDFACE RECONSTRUCTION

Jacqueline Wulu; Aaron Zebolsky; P. Daniel Knott; UCSF

(P661) PREDICTORS OF REINITIATING ANTIBIOTICS FOLLOWING MICROVASCULAR FREE TISSUE RECONSTRUCTION OF THE HEAD AND NECK

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(P662) THE RADIAL FOREARM SNAKE FLAP: AN UNDERUTILIZED TECHNIQUE FOR FASCIOCUTANEOUS AND OSTEOCUTANEOUS FOREARM FLAPS WITH PRIMARY CLOSURE

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(P663) FREE FLAP SALVAGE AND SURVIVAL RATE WITH IMPLANTED DOPPLER COMPARED TO CLINICAL MONITORING

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(P664) A COST-ANALYSIS OF MIDFACE FREE FLAP RECONSTRUCTION

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(P665) OPIOID USE PRACTICES FOR PERIOPERATIVE PAIN MANAGEMENT OF FIBULA FREE FLAPS: COMPARISON OF INTERNATIONAL PRACTICES

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(P666) TUBED ANTEROLATERAL THIGH FLAPS AS A RECONSTRUCTIVE OPTION FOR SALVAGE PHARYNGOLARYNGECTOMIES.

Christian S Betz, Prof, Dr, med; Lukas Wittig; Nikolaus Möckelmann; University Medical Center Hamburg-Eppendorf

(P668) THE INCIDENCE AND CHARACTERISTICS OF ALTERNATIVE RECONSTRUCTIVE PROCEDURES IN PLANNED FREE FLAP SURGERY

Kendall K Tasche, MD; Robert M Brody, MD; Ara A Chalian, MD; Jason G Newman, MD; Karthik Rajasekaran, MD; Rabie M Shanti, DMD, MD; Steven B Cannady, MD; University of Pennsylvania

(P670) EFFECTS OF STATIN THERAPY ON POSTOPERATIVE OUTCOMES IN RECONSTRUCTIVE HEAD AND NECK SURGERY

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(P671) OUTCOMES WITH LONG-TERM, CULTURE-DIRECTED ANTIBIOTICS FOLLOWING MICROVASCULAR FREE TISSUE RECONSTRUCTION FOR OSTEONECROSIS OF THE JAW

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(P672) EXAMINING THE EFFECT OF ADVANCED AGE ON MICROVASCULAR RECONSTRUCTION OF THE HEAD AND NECK

Dongmin C Kim; Gregory L Barinsky, PharmD; Soly Baredes, MD; Dylan F Roden, MD, MPH; Richard C Park, MD; Rutgers New Jersey Medical School

(P673) IMPACT OF SEGMENT LENGTH ON OUTCOMES OF OSTEOTOMIZED FIBULAR FREE FLAPS FOR HEAD AND NECK RECONSTRUCTION

Juliana Gomez, DDS¹; Anastasia Quimby, MD, DDS²; Marek J Ogledzki, MD, DMD¹; Carlos A Ramirez, MD, DDS, FACS¹; ¹Ascension Macomb-Oakland Hospital, Department of Oral and Maxillofacial Surgery; ²Nova Southeastern University, Department of Oral and Maxillofacial Surgery

(P674) COMPARING FISTULA RATES IN PATIENTS UNDERGOING PECTORALIS MAJOR ROTATIONAL FLAP VS FREE TISSUE TRANSFER FOLLOWING TOTAL LARYNGECTOMY

Anne E Gunter, MD¹; Paul R Wistermayer, MD²; Paloma I Perez, MD²; Jagatkumar Patel, MD²; Maitram C Tiu, PAC³; Namou Kim, MD³; ¹Carl R. Darnall Army Medical Center; ²Madigan Army Medical Center; ³Swedish Medical Center

(P675) UTILIZATION OF THREE OR MORE CONCOMITANT NERVE TRANSFERS FOR FACIAL NERVE REANIMATION

Antonios N Varelas, MD; Ayana Cole-Price, BS; David Daar, MD, MBA; Oriana Cohen, MD; Jamie Levine, MD; Adam Jacobson, MD; NYU Langone

(P676) UNIVERSAL AND VERSATILE MEASUREMENTS FOR SPATIAL DEVIATIONS OF COMPUTER-ASSISTED MANDIBULAR RECONSTRUCTION

Richard Yuxiong Su, Dr; The University of Hong Kong

(P677) MODIFICATION OF THE FIBULAR FREE FLAP HARVEST FOR MYOGENOUS INTRA-ORAL LINING

Audrey Rich¹; Ryan Kunkle²; Ashley Dorneden¹; Nathan Boyd¹; Noah Syme¹; ¹University of New Mexico; ²University of Utah

(P678) RECONSTRUCTION TECHNIQUE AFTER SALVAGE LARYNGECTOMY AND LONG TERM SWALLOW OUTCOME

Aseem Jain; Erin Broderick, SLP; Yash Patil, MD; Chad Zender, MD; Alice Tang, MD; Brian Cervenka, MD; University of Cincinnati

POSTER LISTINGS

(P679) COMPLICATIONS OF SALVAGE TORS WITH AND WITHOUT RECONSTRUCTION: A SYSTEMATIC REVIEW

Seth Noorbakhsh, BA¹; Michael C Topf, MD²; Jeffson Chung, MD³; William A Stokes, M³; John Hardman, FRCS, MSc⁴; Vinidh Paleri, FRSC, MSc⁴; Chris Holsinger MD, MD, FACS⁵; Meghan T Turner, MD³; ¹West Virginia University School of Medicine; ²Vanderbilt University Medical Center; ³West Virginia University Health Sciences Center; ⁴Royal Marsden Hospital; ⁵Stanford University

(P680) DOUBLE-BARREL FIBULA FLAP MANDIBULAR RECONSTRUCTION IS SAFE AND ALLOWS FOR BETTER DENTAL REHABILITATION THAN SINGLE-BARREL FIBULA FLAPS

Bachar F Chaya, MD; Jorge Trilles, BS; Daniel Boczar, MD; Ricardo Rodriguez Colon, BS; Lavinia Anzai, MD; David A Daar, MD, MBA; Jamie P Levine, MD; Adam S Jacobson, MD; New York University School of Medicine/Medical Center (SSO)

(P681) DONOR SITE MANAGEMENT PRACTICES: SURVEY OF HEAD & NECK MICROVASCULAR SURGEONS AND REVIEW OF THE LITERATURE

Caitlin McMullen, MD¹; Larissa Sweeney, MD²; Vasu Divi, MD³; Wenyi Fan¹; Trevor Hackman, MD⁴; Ryan Jackson, MD⁵; Brett Miles, DDS, MD⁶; Urjeet Patel, MD⁷; Richard Reich, PhD¹; Joseph Zenga, MD⁸; Jeremy Richmon, MD⁹; ¹Moffitt Cancer Center; ²Louisiana State University, Baton Rouge; ³Stanford University; ⁴University of North Carolina; ⁵Washington University; ⁶Mount Sinai; ⁷Northwestern Medicine; ⁸Medical College of Wisconsin; ⁹Massachusetts Eye & Ear

(P682) PROGNOSTIC FACTORS IN FREE FLAPS FAILURE AND SALVAGE MICROSURGERY FOR COMPLEX ONCOLOGY DEFECTS IN HEAD AND NECK SURGERY

Bruno Albuquerque; Emilio Tosto; Fernando Dias; Raphael Calhau; Adeilson Moreira; Stefano Fiuza; Paula Moretzsohn; Roberto Lomanto; Jessica Marquet; Pedro Henrique Goncalves; INCA

(P684) BLOOD TRANSFUSION AND FREE FLAP PROCEDURES OF THE HEAD AND NECK: A NSQIP ANALYSIS

Dongmin C Kim; Gregory L Barinsky, PharmD; Soly Baredes, MD; Dylan F Roden, MD, MPH; Richard C Park, MD; Rutgers New Jersey Medical School

(P685) EXTENDED-DURATION CHEMOPROPHYLAXIS IN HEAD AND NECK CANCER PATIENTS UNDERGOING MICROVASCULAR FREE TISSUE TRANSFER

Kiranya Tipirneni¹; Mark Arnold²; Mark Marzouk¹; Jesse I Ryan¹; ¹SUNY Upstate; ²Emory University

(P686) THE IMPACT OF DEPARTMENTAL EXPANSION OF MICROVASCULAR RECONSTRUCTION ON FREE FLAP RATE AND VOLUME

Kendall K Tasche, MD; Robert M Brody, MD; Ara A Chalian, MD; Jason G Newman, MD; Karthik Rajasekaran, MD; Rabie M Shanti, DMD, MD; Steven B Cannady, MD; University of Pennsylvania

(P687) ANATOMIC VARIANTS OF THE SUBSCAPULAR-THORACODORSAL ARTERIAL SYSTEM: A RADIOLOGIC ANALYSIS OF 200 PATIENTS

Thomas F Barrett, MD; Hilary Orlowski, MD; Jason T Rich, MD; Ryan S Jackson, MD; Patrik Pipkorn, MD; Sidharth V Puram, MD, PhD; Washington University

(P688) A NOVEL FIBULA MALLEOLUS CAP TO INCREASE THE ACCURACY OF COMPUTER-ASSISTED JAW RECONSTRUCTION: A COMPARATIVE STUDY

Jingya Jane Pu, BDS; Yuxiong Su; The University of Hong Kong

(P690) FREE TISSUE TRANSFER FOR PALLIATION IN HEAD AND NECK CANCER: A SYSTEMATIC REVIEW

Harkaran Guryan, MD; Herschel Patel; Christopher Britt, MD; Dylan Lippert, MD; Lance Oxford, MD; Baylor Scott & White Health

(P691) SAFETY OF THE [INCIDENTAL] NECK DISSECTION OR EXPLORATION DURING FREE TISSUE TRANSFER AFTER HEAD AND NECK IRRADIATION

Margaret E Wieser, BA¹; Laura M Dooley, MD²; Tabitha L Galloway, MD²; Robert P Zitsch, III, MD²; Patrick T Tassone, MD²; ¹University of Missouri School of Medicine; ²Department of Otolaryngology–Head and Neck Surgery, University of Missouri School of Medicine

(P692) RE-RECONSTRUCTION: BONY FREE FLAP SECONDARY RECONSTRUCTION OF OSTEORADIONECROTIC PRIMARY BONY FREE FLAPS

Peter T Dziegielewski, MD, FRCSC; Dustin Conrad; Spencer Nichols; University of Florida

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(P693) DEMYSTIFYING THE SUBMENTAL FLAP: ANATOMIC VARIATIONS AND CLASSIFICATION OF THE VASCULAR ANATOMY

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(P694) COGNITIVE FUNCTION AND PERIOPERATIVE OUTCOMES IN PATIENTS WITH HEAD AND NECK CANCER

Katherine Larrabee, MD¹; Amy M Williams, PhD¹; Nicole Meeks²; Steven S Chang, MD¹; Tamer Ghanem, MD¹; Farzan Siddiqui, MD, PhD¹; Kylie Springer, MS³; Vivian F Wu, MD¹; Samantha Tam, MD, MPH¹; Suhael Momin, MD¹; ¹Henry Ford Health System; ²Wayne State University - School of Medicine; ³Department of Public Health Sciences, Henry Ford Health System

(P695) CONTINUOUS LOCAL ANESTHETIC INFUSION AT FLAP HARVEST SITES FOR POST-OPERATIVE PAIN CONTROL AFTER MAJOR HEAD AND NECK CANCER SURGERY AND RECONSTRUCTION

Joshua D Smith, MD; Mark-Anthony Lingaya, BS; Steven B Chinn, MD; Andrew J Rosko, MD; Matthew E Spector; Keith A Casper, MD; Kelly M Malloy, MD; Mark E Prince, MD; Chaz L Stucken, MD; University of Michigan

(P696) ARE TWO VEINS BETTER THAN ONE IN FREE FIBULA FLAP HEAD & NECK RECONSTRUCTION?

Daniel Boczar, MD; Ricardo Rodriguez Colon, BS; Bachar Chaya, MD; Jorge Trilles, BS; David A Daar, MD, MBA; Lavinia Anzai, MD; Jamie P Levine, MD; Adam S Jacobson, MD; New York University School of Medicine/Medical Center (SSO)

(P697) VARIATIONS IN THE FIBULAR FREE FLAP TECHNIQUE AMONGST NORTH AMERICAN ACADEMIC SURGEONS: A SURVEY STUDY

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(P698) SEMIAUTOMATIC DIGITAL DESIGN OF AURICULAR PROSTHESES IN PATIENTS WITH A UNILATERAL EAR DEFECT.

Tjitske Bannink, MSc; Maarten van Alpen, PhD; Baris Karakullukçu, MD, PhD; Michiel van den Brekel, MD, PhD; Netherlands Cancer Institute - Antoni van Leeuwenhoek

(P699) ANALYSIS OF RECONSTRUCTION METHODS FOR SELF-INFLICTED CRANIOMAXILLOFACIAL GUNSHOT WOUNDS

Ashleigh Weyh, MD, DMD, MPH; Juliana Gomez, DDS; Karlie Kashat, DDS; Rui Fernandes, MD, DMD; Anthony Bunnell, MD, DMD; University of Florida Jacksonville

(P700) OBJECTIVE EVALUATION OF ORBITO-ZYGOMATIC RECONSTRUCTION WITH SCAPULAR TIP FREE FLAPS TO RESTORE FACIAL PROJECTION AND ORBITAL VOLUME.

Axel Sahoaler, MD¹; Harley Chan, PhD¹; Marco Ferrari, MD²; Tommaso Gualtieri, MD²; Charlotte Zhang¹; Stefano Taboni, MD²; Jonathan Irish, MD¹; Ralph Gilbert, MD¹; ¹University of Toronto; ²University of Brescia

(P701) DOES THE USE OF 2-OCTYL CYANOACRYLATE IMPROVE SURGICAL WOUND DEHISCENCE IN ORAL CAVITY AND OROPHARYNX FREE FLAP RECONSTRUCTION SURGERY?

Dustin Conrad, MD, MSc, FRCSC; Peter Dziegielewski; Brian Hughley; Deepa Dannon; Natalie Silver; University of Florida

(P702) REDUCING FREE FLAP ISCHEMIA TIME IN OSSEOUS RECONSTRUCTION OF THE HEAD AND NECK

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(P703) PREDICTORS OF DISCHARGE DESTINATION AFTER FREE FLAP RECONSTRUCTION OF THE HEAD AND NECK

Gregory L Barinsky, PharmD; Roman Povolotskiy, MD; Dongmin C Kim; Soly Baredes, MD; Dylan F Roden, MD, MPH; Richard C Park, MD; Rutgers New Jersey Medical School

(P704) BIOENGINEERED SCAFFOLDING FOR MANDIBULAR RECONSTRUCTION: A PRECLINICAL, XENOGRAFT ANIMAL STUDY

Marco Ferrari, MD¹; Stefano Taboni, MD¹; Tommaso Gualtieri, MD²; Harley Chan, PhD³; Jason Townson, PhD³; Davide Mattavelli, MD, PhD²; Donovan Eu, MD³; Kamol Dey, PhD⁴; Smitha Mathews, PhD⁵; Federica Re, PhD⁶; Shrinidh Joshi, PhD⁵; Simona Bernardi, PhD⁶; Elisa Borsani, PhD⁷; Axel Sahoaler, MD³; Sowmya Viswanathan, PhD⁵; Piero Nicolai, MD¹; Luciana Sartore, PhD⁴; Ralph Gilbert, MD⁸; Jonathan Irish, MD³; ¹Section of Otorhinolaryngology - Head and Neck Surgery, Department of Neurosciences, University of Padua, Padua, Italy; ²Unit of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy; ³Guided Therapeutics (GTx) Program, Techna Institute, University Health Network, Toronto, Ontario, Canada; ⁴MaSTLab - Department of Mechanical and Industrial Engineering, Materials Science and Technology Laboratory, University of Brescia, Brescia, Italy; ⁵Krembil Research Institute, University Health Network, Toronto, Ontario,

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(P705) 3D-MAPPING OF MESENCHYMAL STEM CELLS GROWTH ON BIOENGINEERED SCAFFOLDS FOR MAXILLOFACIAL SKELETON REGENERATION: A PRECLINICAL, IN VITRO STUDY

Stefano Taboni, MD¹; Marco Ferrari, MD¹; Tommaso Gualtieri, MD²; Harley Chan, PhD³; Jason Townson, PhD³; Davide Mattavelli, MD, PhD²; Donovan Eu, MD⁴; Kamol Dey, PhD⁵; Shrinidh Joshi, PhD⁶; Federica Re, PhD⁷; Simona Bernardi, PhD⁷; Elisa Borsani, PhD⁸; Axel Sahovaler, MD⁴; Smitha Mathews, PhD⁶; Sowmya Viswanathan, PhD⁶; Piero Nicolai, MD¹; Luciana Sartore⁹; Domenico Russo, MD⁷; Ralph W Gilbert, MD, FRCSC, BSc⁴; Jonathan C Irish, MD, MSc, FRCSC, FACS⁴; ¹Section of Otorhinolaryngology – Head and Neck Surgery, Department of Neurosciences, University of Padua, Italy; ²Unit of Otorhinolaryngology – Head and Neck Surgery, Department of Medical and Surgical Specialties, Radiological Sciences, and Public Health, University of Brescia, Brescia, Italy; ³Guided Therapeutics (GTx) Program, Techna Institute, UHN, Toronto, Ontario, Canada; ⁴Department of Otolaryngology – Head and Neck Surgery/Surgical Oncology, Princess Margaret Cancer Centre/University Health Network, Toronto, Ontario, Canada; ⁵Department of Applied Chemistry and Chemical Engineering, Faculty of Science, University of Chittagong, Bangladesh and Department of Mechanical and Industrial Engineering, University of Brescia, Brescia, Italy; ⁶University Health Network, Princess Margaret Hospital, Toronto, ON, Canada; ⁷Chair of Hematology, Unit of Blood Diseases and Stem Cell Transplantation, Department of Clinical and Experimental Sciences, University of Brescia, ASST Spedali Civili di Brescia, Brescia, Italy; ⁸Division of Anatomy and Physiopathology Department of Clinical and Experimental Sciences University of Brescia; ⁹Department of Mechanical and Industrial Engineering, University of Brescia, Brescia, Italy

(P706) TRISMUS MANAGEMENT IN PATIENTS USING MICROVASCULAR FREE FLAPS IN PATIENTS WITH A HISTORY OF INTRAORAL RESECTION

Ricardo Rodriguez Colon, BS; Daniel Boczar, MD; Emily M Kamen, MD; David A Daar, MD, MBA; Lavinia Anzai, MD; Jamie P Levine, MD; Adam S Jacobson; New York University School of Medicine/Medical Center (SSO)

(P707) PATIENT-REPORTED DONOR SITE QUALITY OF LIFE OUTCOMES FOLLOWING FIBULA FREE FLAP RECONSTRUCTION

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(P710) THE IMPACT OF MULTIPLE SIMULTANEOUS ONCOLOGIC SURGERIES WITH FREE FLAPS RECONSTRUCTION ON OUTCOMES.

Hugo F Kohler; Jose G Vartanian; Mônica L Rodrigues; Luiz P Kowalski; A C Camargo Cancer Center

(P711) HEAD AND NECK RECONSTRUCTION USING INFRAHYOID FLAPS FOR LARGE ORAL CAVITY DEFECTS.

Shreya Rai; Mudit Agarwal, Dr; Kiran Joshi, Dr; Abhishek Singh, Dr; Shashank Choudhary, Dr; Sunil Kumar, Dr; Rajiv Gandhi cancer research institute

(P712) COMPOSITE SCAPULA FREE FLAP MAXILLOFACIAL RECONSTRUCTION FOR PATIENTS WITH SIGNIFICANT MEDICAL CO-MORBIDITIES AND PERIPHERAL VASCULAR DISEASE: ARE PRE-OPERATIVE CO-MORBIDTY ASSESSMENTS ACCURATE?

Michael Nagai, MD, DDS¹; Joshua Lubek, MD, DDS²; Donita Dyalram, MD, DDS²; ¹Erie County Medical Center; ²University of Maryland

(P713) APPLICATION OF VIRTUAL SURGICAL PLANNING TO SECONDARY MANDIBULAR RECONSTRUCTION USING SCAPULAR FREE FLAPS

Tara E Mokhtari, MD¹; Andrew J Holcomb, MD²; Alisa Yamasaki, MD¹; Robert Lindau, MD²; Tyson Nielsen, MD²; Linda Lee, MD¹; Jeremy D Richmon, MD¹; ¹Massachusetts Eye and Ear / Harvard Medical School; ²Nebraska Methodist Hospital

(P714) LONG-TERM OUTCOMES AND COMPLICATIONS OF VASCULARIZED ADIPOFASCIAL FLAPS FOR TOTAL AND RADICAL PAROTIDECTOMY RECONSTRUCTION

Patrick Carpenter, MD; Aaron Zebolsky; Katherine Wai, MD; Andrea Park, MD; Rahul Seth, MD; P. Daniel Knott, MD; University of California San Francisco

POSTER LISTINGS

(P715) COMPARING POST-OPERATIVE OUTCOMES BETWEEN FREE FLAP & PEDICLE FLAP RECONSTRUCTION FOLLOWING HEAD & NECK SURGERY

Samer T Elsamna, BA; Ghayoor Mir, DO; Ibraheem Shaik, BS; Dylan F Roden, MD; Rutgers New Jersey Medical School, Department of Otolaryngology—Head & Neck Surgery

(P717) ASSOCIATION BETWEEN HYPERTENSION REQUIRING MEDICATION AND 30-DAY OUTCOMES IN HEAD AND NECK MICROVASCULAR SURGERY

Philip R Brauer, BA¹; Xuefei Jia, MS²; Eric D Lamarre, MD³; ¹Case Western Reserve University School of Medicine; ²Taussig Cancer Institute, The Cleveland Clinic; ³Head and Neck Institute, The Cleveland Clinic

(P718) MELD-NA AS A PREDICTOR OF SHORT TERM COMPLICATIONS AFTER MICROVASCULAR RECONSTRUCTION OF THE HEAD AND NECK

Dongmin C Kim; Gregory L Barinsky, PharmD; Jean Anderson Eloy, MD; Soly Baredes, MD; Richard C Park, MD; Rutgers New Jersey Medical School

(P719) EARLY ORAL INTAKE AFTER MICROVASCULAR RECONSTRUCTION OF THE UPPER AERODIGESTIVE TRACT

Eric Remer, MD; Jorge Trilles, BS; Ricardo Rodriguez Colon, BS; Michael Papazian, BS; David Daar, MD; Babak Givi, MD; Jamie Levine, MD; Adam Jacobson, MD; NYU Langone Health

(P720) VERSATILITY AND RELIABILITY OF THE ANTEROLATERAL THIGH FLAP FOR RECONSTRUCTION OF COMPLEX TEMPORAL BONE RESECTION DEFECTS

Roberto M Soriano, MD¹; Oleksandr Butskiy, MD, MHSc²; H. Michael Baddour, MD¹; Brian J Boyce, MD¹; Azeem S Kaka, MD¹; Mihir R Patel, MD¹; Mark W El-Deiry, MD¹; C. Arturo Solares, MD¹; ¹Emory University School of Medicine, Department of Otolaryngology-Head and Neck Surgery; ²University of British Columbia, Department of Otolaryngology-Head and Neck Surgery

(P721) SALVAGE OROPHARYNGECTOMY WITH FREE FLAP RECONSTRUCTION: SURGICAL AND FUNCTIONAL OUTCOMES

Peter T Dziegielewski, MD, FRCSC; Deepa Dana, MD; Dustin Conrad, MD, FRCSC; Brian Hughley, MD; University of Florida

(P722) OROFACIAL FISTULA AFTER ORAL CAVITY RESECTION AND RECONSTRUCTION: SYSTEMATIC REVIEW AND META-ANALYSIS

Patrick Tassone, MD; Tabitha Galloway, MD; Laura Dooley, MD; Robert Zitsch, MD; University of Missouri

(P723) EXTERNAL CUTANEOUS COLOR MATCH FOLLOWING FREE TISSUE TRANSFER IN HEAD AND NECK RECONSTRUCTION: A COLORIMETRIC AND AESTHETIC ANALYSIS

Sarah M Dermody, MD; Peter W Kahng, MD; Hassan B Nasser, MD; Michelle M Chen, MD; Keith A Casper, MD; Kelly M Malloy, MD; Andrew J Rosko, MD; Chaz L Stucken, MD; Steven B Chinn, MD, MPH; Matthew E Spector, MD; Allen L Feng, MD; University of Michigan Department of Otolaryngology Head and Neck Surgery

(P724) A NOVEL APPROACH TO MINIMIZE COMPLICATIONS IN THE SURGICAL MANAGEMENT OF OSTEORADIONECROSIS OF THE MANDIBLE WITH FIBULA FREE FLAP RECONSTRUCTION

Jonathan Shum, MD, DDS¹; Andrew Huang, MD²; Jamie Choi, MD, DDS¹; ¹University of Texas Health Science Center at Houston; ²Baylor College of Medicine

(P725) SALVAGE SURGERY OUTCOMES FOR ORAL, OROPHARYNGEAL, SINONASAL, LARYNGEAL AND HYPOPHARYNGEAL SQUAMOUS CELL CARCINOMA

Chengetai R Mahomva, MD¹; Kevin J Contrera, MD, MPH¹; Bhavya K Sharma, BS²; Wei Wei, MS³; Shlomo A Koyfman, MD⁴; Brian B Burke, MD¹; Michael Fritz, MD¹; Jamie A Ku, MD¹; Eric D Lamarre, MD¹; Robert R Lorenz, MD¹; Joseph Scharpf, MD¹; Raj Sindwani, MD¹; Brandon L Prendes, MD¹; ¹Head & Neck Institute, Cleveland Clinic; ²Northeast Ohio Medical University; ³Taussig Cancer Institute, Cleveland Clinic; ⁴Department of Radiation Oncology, Taussig Cancer Institute, Cleveland Clinic

(P726) RECONSTRUCTIVE SURGERY FOR HEAD AND NECK CANCER PATIENTS AGED 75 YEARS OR MORE

Hirokazu Uemura, PhD, MD; Nara Medical University

(P729) A NOVEL ALGORITHM FOR FREE TISSUE RECONSTRUCTION OF ADVANCED MIDFACE DEFECTS: UTILITY OF THE SCAPULA FREE FLAP

Danielle E Scarola, MD; Oleksandr Butskiy, MD; Roberto M Soriano; Jordan Varghese; Yaw Owusu; H. Michael Baddour, MD; Brian J Boyce, MD; Azeem S Kaka, MD; Mihir R Patel, MD; Mark W El-Deiry, MD; Emory University

POSTER LISTINGS

(P730) USE OF ROTATIONAL THROMBOELASTOMETRY (ROTEM®) IN THROMBOTIC COMPLICATIONS OF MICROVASCULAR HEAD AND NECK RECONSTRUCTION

Katie K Spielbauer, MD¹; Jumin Sunde, MD²; Marisa Buchakjian, MD³; Keith A Casper, MD¹; Kelly M Malloy, MD¹; Chaz L Stucken, MD¹; Mark E Prince, MD¹; Andrew J Rosko, MD¹; Samuel Schechtman, MD¹; Steven B Chinn, MD, MPH¹; Sathish S Kumar, MD¹; Matthew E Spector, MD¹; ¹Michigan Medicine; ²University of Arkansas; ³University of Iowa

Salivary Gland Poster Abstracts

(P731) BOTULINUM TOXIN A FOR THE TREATMENT OF FIRST BITE SYNDROME - A SYSTEMATIC REVIEW

Noah Shaikh, MD¹; Haseeb Jafary, BS²; Meghan Turner, MD¹; ¹West Virginia University; ²Marshall University School of Medicine

(P732) PATHOLOGIC CHARACTERISTICS ASSOCIATED WITH CLINICAL OUTCOMES IN SALIVARY GLAND ADENOID CYSTIC CARCINOMA

Sarah M Dermody, MD; Catherine T Haring; Collin Brummel; Keith A Casper; Steven B Chinn, MD, MPH; Kelly M Malloy, MD; Mark E Prince, MD; Andrew J Rosko, MD; Andrew G Shuman, MD; Chaz L Stucken, MD; Caitlin Schonewolf, MD; Jennifer Shah, MD; Michelle Mierzwa, MD; Francis P Worden, MD; Matthew E Spector, MD; Paul L Swiecicki; University of Michigan, Department of Otolaryngology Head and Neck Surgery

(P733) THE ROLE OF PERINEURAL INVASION IN PAROTID MALIGNANCY OUTCOMES: A SYSTEMATIC REVIEW AND META-ANALYSIS

Elycia Kazemian, MD¹; Mark Solinski, BS²; William Adams, PhD²; Mary Moore, MS²; Eric Thorpe¹; ¹Loyola University Medical Center; ²Loyola University Chicago Stritch School of Medicine

(P734) INTRAOPERATIVE RADIOGRAPHY: A VALUABLE, EFFECTIVE, AND TIMELY TOOL IN TRANSORAL SIALOLITH EXCISION

Brian P Kinealy, MD¹; Arya W Namin, MD²; Robert P Zitsch, III, MD²; Arnaldo L Rivera, MD²; ¹University of Kentucky College of Medicine; ²University of Missouri School of Medicine

(P735) MANAGING BUCCAL SPACE TUMOURS - A CASE SERIES ILLUSTRATING THE DIFFERENT SURGICAL APPROACHES TO THE BUCCAL SPACE

Augustine Yui-Ler Chai; Ming Yann Lim; Hao Li; Weizhong Ernest Fu; Jin Keat Siow; Yijin Jereme Gan; Tan Tock Seng Hospital

(P736) POTENTIAL ROLE OF FDG-PET IN PREOPERATIVE ASSESSMENT OF PRIMARY SALIVARY GLAND MALIGNANCIES

Sevda Karimian, Dr, med; Niels J Rupp, Dr, med; Martin W Hüellner, PD, Dr, med; Sandra N Freiberger, Dr, sc, nat; Martina A Broglie, PD, Dr, med; Grégoire B Morand, Dr, med; University Hospital Zurich

(P737) CHARACTERISTIC GENE EXPRESSION OF SALIVARY DUCT CARCINOMA EX PLEOMORPHIC ADENOMA

Takayoshi Suzuki, PhD, MD; Satoshi Kano, PhD, MD; Masanobu Suzuki, PhD, MD; Shinichiro Yasukawa, PhD, MD; Takatsugu Mizumachi, PhD, MD; Nayuta Tsushima, MD; Akihiro Homma, PhD, MD; Hokkaido University

(P738) A HUGE TUMOR WITH FOLLICULAR LYMPHOMA OF THE PAROTID GLAND TREATED SUCCESSFULLY BY RADICAL RADIATION: CASE REPORT AND REVIEW OF LITERATURE.

Duy Ngo, MD; Duong Le; Toan Tran; Quy Ngo, PhD; Quang Le, Prof; Vietnam National Cancer Hospital

(P739) INCREASED PRETREATMENT NEUTROPHIL-TO-LYMPHOCYTE RATIO ASSOCIATED WITH SALIVARY GLAND CANCER RECURRENCE

Joseph Kidane, BS; Michelle J Lee, BS; Steven R Long, MD; Ivan H El-Sayed, MD; Jonathan R George, MD; Chase M Heaton, MD; William R Ryan, MD; Patrick K Ha, MD; University of California San Francisco

(P740) QUANTITATIVE TEXTURE ANALYSIS OF SONOGRAPHIC IMAGES FOR THE SALIVARY GLANDULAR TUMORS

Li-Jen Liao, Dr; Wu-Chia Lo; Far Eastern Memorial Hospital

(P741) SECRETORY CARCINOMA; REVIEW OF 10 YEARS WORLD-WIDE EXPERIENCE AND META-ANALYSIS

Eyal Yosef, MD; Tomer Boldes; Daniel Dan; Eyal Robenshtok, MD; Gideon Bachar, MD; Thomas Shpitzer, MD; Aviram Mizrahi, MD; Rabin Medical Center

(P742) PATIENT AND TREATMENT FACTORS IN MAJOR SALIVARY GLAND MALIGNANCY IN THE OLDER POPULATION: ASSESSMENT OF OUTCOMES IN SEER-MEDICARE DATABASE ANALYSIS

Joshua A Thompson, MD¹; Olga A Goloubeva, MS, PhD¹; Neila Kline²; Kavita Bhatnagar²; Rodney J Taylor, MD, MSPH¹; ¹University of Maryland Medical Center; ²University of Maryland School of Medicine

POSTER LISTINGS

(P743) COMPARISON OF HANDHELD BIQ ULTRASOUND VERSUS STANDARD ULTRASOUND FOR GUIDED TRANSCUTANEOUS SALIVARY GLAND INJECTION ACCURACY: A PILOT STUDY

David Y Goldrich, MD; Shivam Patel, BS; Neerav Goyal, MD; The Pennsylvania State University College of Medicine

(P744) TARGETING CANCER STEM CELLS WITH MTOR INHIBITORS IN MUCOEPIDERMAL CARCINOMA

Takafumi Nakano¹; Kristy A Warner¹; Alexandra E Oklejas¹; Zhaocheng Zhang¹; Christie R Ramirez¹; Andrew G Shuman²; Jacques E Nör¹; ¹University of Michigan School of Dentistry; ²University of Michigan School of Medicine

(P746) A BENIGN MALIGNANCY? NONINVASIVE CARCINOMA EX PLEOMORPHIC ADENOMA: A RECENT INSTITUTIONAL CASE SERIES AND LITERATURE REVIEW FOR A THIS RARE TUMOR

Andrew J Coniglio, MD; Catherine J Lumley, MD; Samip N Patel, MD; Jeffrey M Blumberg, MD; UNC Chapel Hill Department of Otolaryngology

(P747) CHRONIC IDIOPATHIC SIALADENITIS AND RADIOIODINE THERAPY INDUCED SIALADENITIS - PRESENTATION AND OUTCOMES

Hanna Gilat, MD; Igor Vainer, MD; Avishai Gal, DMD; Shiri Maymon, MD; Alkan Uri, MD; Roy Hod, MD; Eyal Robinshtock, MD; Sivan Friedman, MD; Thomas Shpitzer, MD; Rabin Medical Center - Beilinson Hospital, Petach Tikva, Israel

(P748) HOLOGRAM IMAGING OF THE EXTRACRANIAL FACIAL NERVE : A NEW DIMENSION TO PAROTID SURGERY.

Ahmad Saadya; Simon Morley; Timothy Beale; Soudeh Chegini; Mark McGurk; University College London Hospital

(P749) COMPARATIVE OUTCOMES OF SALIVARY GLAND CANCER BY TUMOR HISTOLOGY WITH PREDICTIVE SURVIVAL MODELING

Bryan Hair, BS; Kevin Contrera, MD; Brandon Prendes, MD; Shlomo A Koyfman, MD; Brian B Burkey, MD; Cleveland Clinic Foundation

(P750) PROGNOSTIC FACTORS OF RECURRENCE IN SALIVARY GLAND CANCER: A 17-YEAR SINGLE INSTITUTION EXPERIENCE

Michelle J Lee, BS¹; Joseph Kidane, BS¹; Steven R Long, MD²; Ivan H El-Sayed, MD³; Jonathan R George, MD³; Chase M Heaton, MD³; William R Ryan, MD³; Patrick K Ha, MD³; ¹University of California San Francisco, School of Medicine; ²University of California San Francisco, Department of Pathology; ³University of California San Francisco, Department of Otolaryngology-Head and Neck Surgery

(P751) THE IMPACT OF HER2 STATUS ON SURVIVAL OUTCOMES IN SALIVARY DUCT CARCINOMA: A SYSTEMATIC REVIEW AND META-ANALYSIS

Chris Y Williams¹; Nicole C Schmitt²; Adam Townson¹; Nancy Terry³; Arun Sharma⁴; ¹University of Cambridge School of Clinical Medicine; ²Emory University School of Medicine; ³NIH/NIDCD; ⁴Southern Illinois University School of Medicine

(P752) THE EFFECT OF NECK DISSECTION ON REGIONAL RECURRENCE IN SALIVARY GLAND CANCER

Michelle J Lee, BS¹; Joseph Kidane, BS¹; Steven R Long, MD²; Ivan H El-Sayed, MD³; Jonathan R George, MD³; Chase M Heaton, MD³; William R Ryan, MD³; Patrick K Ha, MD³; ¹University of California San Francisco, School of Medicine; ²University of California San Francisco, Department of Pathology; ³University of California San Francisco, Department of Otolaryngology-Head and Neck Surgery

(P753) CELL-FREE CIRCULATING TUMOR DNA IN PATIENTS WITH RECURRENT ADENOID CYSTIC CARCINOMA AND THE POTENTIAL ACTIVITY OF SELECTIVE FIBROBLAST GROWTH FACTOR RECEPTOR (FGFR) INHIBITORS

Cesar A Perez, MD¹; Giselle Dutcher, MD¹; Zoukaa B Sargi, MD¹; Nelson V Guevara²; David T Tse, MD¹; Pasquale W Benedetto¹; ¹University of Miami; ²John Hopkins Bloomberg School of Public Health

(P754) PROGNOSTIC FACTORS AND OUTCOME IN MINOR SALIVARY GLAND CANCER OF ORAL CAVITY AND OROPHARYNX

Paula Moretzsohn; Fernando Dias; Jessica Marquet; Pedro Henrique Gonçalves; Stefano Fiuza; Terence Farias; Izabella Santos; Emilio Tosto; INCA

(P755) ANDROGEN DEPRIVATION THERAPY FOR ADVANCED OR RECURRENT SALIVARY GLAND CARCINOMA: A SYSTEMATIC REVIEW

Nrusheel Kattar¹; Lily Trinh²; Brett Campbell²; Basit Jawad, MD³; Ryan Winters, MD⁴; ¹UQ-Ochsner School of Medicine; ²Tulane University School of Medicine; ³Tulane Affiliated Program in Otolaryngology; ⁴Ochsner Medical Center Department of Otolaryngology

POSTER LISTINGS

(P756) XANTHOGRANULOMATOUS INFLAMMATION IN THE NECK: AN EXAMINATION OF TWO UNIQUE CASES AND REVIEW OF THE LITERATURE

Nizar Tejani, MD¹; Ameya Asarkar, MD, FACS¹; Catherine Chaudoir, MD²; Edward Milligan, MD¹; ¹Otolaryngology Section, Surgical Service, Overton Brooks VA Medical Center, Shreveport, LA; ²Department of Pathology, Overton Brooks VA Medical Center, Shreveport, LA

(P757) NATIONAL ANALYSIS OF OROPHARYNGEAL SALIVARY GLAND MALIGNANCIES TREATED WITH TRANSORAL ROBOTIC SURGERY

Kevin Wang, BS; Pablo Llerena, BS; Craig A Bollig, MD; Rutgers Robert Wood Johnson Medical School

(P758) PAROTID GLAND SALIVARY MALIGNANCIES: CHARACTERIZING OUTCOMES BASED ON FACIAL NERVE INVOLVEMENT

Khashayar Arianpour, MD¹; Bryan Hair, BA²; Meghan Crawley, MD¹; Shlomo A Koyfman, MD³; Brian B Burkey, MD¹; Eric D Lamarre, MD¹; ¹Head and Neck Institute – Cleveland Clinic; ²Cleveland Clinic Lerner College of Medicine of Case Western Reserve University; ³Department of Radiation Oncology, Taussig Cancer Institute, Cleveland Clinic

(P759) MUCOEPIDERMOID CARCINOMA, IS PRIMARY SITE IMPORTANT?

Ximena Mimica, MD; Avery Yuan, MB, MMCi; Ashley Hay, MD; Daniella Zanon, MD; Jatin Shah, MD; Richard Wong, MD; Marc Cohen, MD, MPH; Snehal Patel, MD; Ian Ganly, MD, PhD; Memorial Sloan Kettering

(P760) INDICATIONS AND OUTCOMES FOR ELECTIVE DISSECTION OF LEVEL V IN PRIMARY PAROTID CANCER

Andrew P Katz, MD; Riley Larkin, BS; Erin R Cohen, MD; Elizabeth Franzmann, MD; Donald Weed, MD; Francisco J Civantos, MD; Department of Otolaryngology, University of Miami Miller School of Medicine

(P761) ADENOID CYSTIC CARCINOMA OF THE HEAD AND NECK: A LARGE SINGLE-CENTER RETROSPECTIVE REVIEW

Lukas D Dumberger, MD; David Shimunov, BA; Aman Prasad, BS; Robert M Brody, MD; Department of Otorhinolaryngology-Head and Neck Surgery, University of Pennsylvania

Skin Cancers Poster Abstracts

(P762) GENDER DIFFERENCES IN PATIENTS WITH ADVANCED CUTANEOUS SQUAMOUS CELL CARCINOMA

John Hanks, MD¹; Megan Morisada, MD²; Brianna Harris, MD³; Andrew Birkeland, MD²; Marianne Abouyared, MD²; D G Farwell, MD²; Arnaud F Bewley, MD²; ¹Boston VA; ²UC Davis; ³Scripps Health

(P763) REDEFINING PERINEURAL INVASION IN HEAD AND NECK CUTANEOUS SQUAMOUS CELL CARCINOMA

Erin R Cohen, MD; Carly Misztal, BS; Courtney Dable, BS; Carlos Green, MD; Samuel Trosman, MD; Carmen Gomez-Fernandez, MD; Elizabeth Nicolli, MD; Christine T Dinh, MD; Zoukaa Sargi, MD, MPH; University of Miami Miller School of Medicine

(P764) SURVIVAL ANALYSIS USING REVISED NODAL STAGING CRITERIA IN PATIENTS WITH HEAD AND NECK CUTANEOUS SQUAMOUS CELL CARCINOMA

Carly Misztal, BS¹; Erin Cohen, MD²; Haley Hullfish, BS²; Andrew Katz, MD²; Carmen Gomez-Fernandez, MD³; Samuel Trosman⁴; Jason Leibowitz, MD²; Zoukaa Sargi, MD, MPH²; ¹University of Miami Miller School of Medicine, Department of Otolaryngology, Miami, FL; ²University of Miami Miller School of Medicine, Department of Otolaryngology, Miami, FL; ³University of Miami Miller School of Medicine, Department of Pathology, Miami, FL; ⁴Mount Sinai Hospital, Icahn School of Medicine, New York, NY

(P765) ANTERIOR TRANSFACIAL ENDOSCOPIC-ASSISTED APPROACH TO METASTATIC CUTANEOUS MALIGNANCIES WITH V2 INVOLVEMENT

Jeremy S Ruthberg¹; Anish Abrol, MD²; Claudia C Cabrera, MD²; Akina Tamaki, MD²; Rod Rezaee, MD²; ¹Case Western Reserve University School of Medicine; ²University Hospitals Cleveland Medical Center

(P766) EXTENDED ORBITAL EXENTERATION FOR ADVANCED BASAL CELL CARCINOMA: AN INSTITUTION EXPERIENCE.

Bernardo Peryassu; Paula Moretzsohn; Roberto Lomanto; Pedro Henrique Goncalves; Jessica Marquet; Fernando Dias; Stefano Fiuza; INCA

(P768) PAROTIDECTOMY AND NECK DISSECTION IN LOCALLY ADVANCED AND RELAPSED CUTANEOUS SQUAMOUS CELL CARCINOMA OF HEAD AND NECK REGION

Giuliano M Melo, PhD; Luiz H Guilherme, MD; Arthur P Gatti, MD; Marcel N Palumbo, MSc; Murilo C Neves, PhD; Marcello Rosano, MD; Fabiano M Callegari, MD; Marcio Abrahao, PhD, Full Professor; Onivaldo Cervantes, PhD, Full Professor; Department of Otorhinolaryngology and Surgery in Head and Neck – Federal University of São Paulo / Paulista School of Medicine (UNIFESP/EPM)

POSTER LISTINGS

(P769) UTILITY OF NECK DISSECTIONS IN SQUAMOUS CELL CARCINOMAS OF THE TEMPORAL BONE

Benjamin R Johnson, MD; Claudia I Cabrera Aviles, MD; Armine Kocharyan, MD; Nauman Manzoor, MD; Akina Tamaki, MD; University Hospitals Cleveland Medical Center / Case Western Reserve University

(P770) LYMPH NODE YIELD IS ASSOCIATED WITH SURVIVAL IN CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK

Moran Amit, PhD; The University of Texas MD Anderson Cancer Center

(P771) MANAGEMENT TRENDS AMONG GERIATRIC HEAD & NECK MELANOMA PATIENTS

Senthuran Tharmalingam, MD, MSc¹; Cecelia Schmalbach, MD, MSc²; ¹Fox Chase Cancer Center; ²Temple University Hospital

(P773) YOU'VE GOT CHEEK: A COMBINATION TECHNIQUE FOR SURGICAL MANAGEMENT OF CHEEK MELANOMA

N Wielogorska, Miss; C Ekwobi; Preston Royal Hospital

(P774) DEPTH OF INVASION IS AN INDEPENDENT PREDICTOR OF OCCULT NODAL METASTASES AND SURVIVAL IN CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK

Chuan Liu, PhD; Moran Amit, MD, PhD; The University of Texas MD Anderson Cancer Center

(P775) INHIBITION OF FIBROBLAST GROWTH FACTOR RECEPTOR (FGFR) ABROGATES ULTRAVIOLET-B (UVB)-INDUCED SKIN CARCINOGENESIS

Janmaris Marin Fermin, MD; Alok Khandelwal, PhD; Jonathan Austin Berry A Berry, MD; Mark Landry, MD; Zach Temple, MD; Adam Blancher, MD; John DiGiovanni, PhD; Cherie-Ann Nathan, MD, FACS; Department of Otolaryngology, Head and Neck Surgery, LSU Health Sciences Center, Shreveport.

(P777) OPTIMAL DEEP RESECTION MARGIN IN SENTINEL LYMPH NODE BIOPSY NEGATIVE CUTANEOUS HEAD & NECK MELANOMAS

Michael Xie, MD; Sepideh Mohajeri, MD; Kelvin Zhou, BSc; Ali Zhang; Raphaelle Koerber, BSc, PhD; James Young, MD, FRCSC, FACS; Han Zhang, MD, FRCSC; McMaster University

(P778) OUTCOMES OF SURGERY IN IMMUNOCOMPROMISED PATIENTS WITH PAROTID METASTASES FROM CUTANEOUS HEAD AND NECK SQUAMOUS CELL CARCINOMAS. A CASE CONTROL ANALYSIS.

Fiona Chen, MBBS, BMedSc, MPH¹; MinTing Tan, MBBS¹; Eldho Paul, PhD²; Stephen Tudge, MBBS, MS, FRACS¹; ¹Alfred Health; ²Monash University

(P779) MARGIN ANALYSIS IN ADVANCED HEAD AND NECK NON-MELANOMA SKIN CANCER

Sabreena Lawal; Timothy Phillips, MD; Queen's University

(P780) DECISIONDX PROVIDES COMPLEMENTARY RISK ASSESSMENT IN CUTANEOUS MELANOMA MANAGEMENT

Aleksandra Vidovich, DO¹; Ben J Friedman, MD²; Rupen Shah, MD³; Samantha H Tam, MD⁴; Vivian F Wu, MD, MPH⁴; ¹Department of Otolaryngology & Facial Plastic Surgery, Henry Ford Macomb Hospital, Clinton Township, Michigan, U.S.A.; ²Department of Dermatology, Henry Ford Hospital, Detroit, Michigan, U.S.A.; ³Department of Surgical Oncology, Henry Ford Hospital, Detroit, Michigan, U.S.A.; ⁴Department of Otolaryngology-Head and Neck Surgery, Henry Ford Hospital, Detroit, Michigan, U.S.A.

(P781) UTILITY OF A NEW ARTIFICIAL DERMIS AS A SUCCESSFUL TOOL IN FACE AND SCALP RECONSTRUCTION FOR SKIN CANCER: ANALYSIS OF THE EFFICACY, SAFETY, AND AESTHETIC OUTCOMES

Fedele Lembo; Liberato Roberto Cecchino; Domenico Parisi; Aurelio Portincasa; Plastic and Reconstructive Surgery Department, Ospedali Riuniti-OORR, University of Foggia

(P782) SURGICAL FACTORS AFFECTING REGIONALLY METASTATIC CUTANEOUS SQUAMOUS CELL CARCINOMA TO THE PAROTID GLAND

Vishwanatha M Rao¹; Allen L Feng, MD²; Daniel G Deschler, MD¹; Derrick T Lin, MD¹; Jeremy D Richmon, MD¹; Mark A Varvares, MD¹; Kevin S Emerick, MD¹; ¹Department of Otolaryngology – Head and Neck Surgery, Massachusetts Eye and Ear; ²Department of Otolaryngology – Head and Neck Surgery, University of Michigan

(P783) INCIDENCE AND PREDICTIVE FACTORS FOR LONG-TERM RECURRENT LOCAL-REGIONAL NODAL METASTASIS IN PREVIOUS SENTINEL LYMPH NODE NEGATIVE CUTANEOUS MELANOMA OF THE HEAD AND NECK

Sepideh Mohajeri, MD; Michael Xie, MD; Kelvin Zhou, BSc; Raphaelle Koerber, PhD; Ali Zhang; Morgan Yuan, BSc; Jem Young, MD, FRCSC, FACS; Han Zhang, MD, FRCSC; McMaster University

POSTER LISTINGS

(P787) A TREND ANALYSIS OF CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE EXTERNAL LIP: AN EXAMINATION OF THE SEER DATABASE BETWEEN 1975-2016

Neil K Mehta, BS¹; Shaun A Nguyen, MD, FAPCR¹; Brent A Chang, MD, FRCSC²; Cherie-Ann Nathan, MD, FACS²; ¹Medical University of South Carolina; ²Louisiana State University-Health



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