

APRIL 26-30, 2017

MANCHESTER GRAND HYATT  
SAN DIEGO, CALIFORNIA

# PROGRAM GUIDE



# COSM

COMBINED  
OTOLARYNGOLOGY  
SPRING MEETINGS



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- Meeting alerts



# COSM

COMBINED  
OTOLARYNGOLOGY  
SPRING MEETINGS

COMBINED  
OTOLARYNGOLOGY  
SPRING MEETINGS

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The COSM 2017 Annual Meeting App is compatible with iPhone, Android, iPad and most tablets.

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 American Broncho-Esophagological Association . . . . . 12-13, 23  
 American Head and Neck Society . . . . . 9-10, 14-16  
 American Laryngological Association . . . . . 11, 19, 22-23  
 American Neurotology Society . . . . . 24, 26  
 American Otological Society . . . . . 29-30  
 American Rhinologic Society . . . . . 17-18, 25  
 The Triological Society . . . . . 21-22, 27-28

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## Download the Meeting App!

All changes to the program and additional exhibitors are reflected in the COSM Meeting App. Scan here to download the Meeting App now!



## COSM Secretaries Liaison Committee

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*Chair, COSM Secretaries Liaison Committee*

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*American Society of Pediatric Otolaryngology (ASPO)*

**Myles Pensak, MD, FACS**  
*The Triological Society (TRIO)*

## Connect with Us!

**COSM**  
 c/o American College of Surgeons  
 633 N. Saint Clair Street  
 Chicago, IL 60611  
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 www.cosm.md

 [#2017COSM](http://www.twitter.com/_COSM)

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Electric Acoustic Stimulation (EAS) is the combination of two technologies: a cochlear implant for the high frequencies, and acoustic amplification for the low frequencies.

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\* SYNCHRONY Cochlear Implant is approved for MRI scanning at 1.5T and 3.0T without magnet removal. Please ensure that all conditions described in the IFU for scanning are followed. For MRI scanning instructions and information on potential risks and contraindications relating to implantation, please visit [www.medel.com/us/isi-cochlear-implant-systems/](http://www.medel.com/us/isi-cochlear-implant-systems/)

# SCHEDULE-AT-A-GLANCE

	WEDNESDAY, APRIL 26	THURSDAY, APRIL 27	FRIDAY, APRIL 28	SATURDAY, APRIL 29	SUNDAY, APRIL 30
MORNING	AHNS <b>C</b>	ABEA	AAFPRS	ANS	AOS
	ALA	AHNS <b>C</b>	TRIO <b>C</b>	TRIO	
		ARS			
AFTERNOON	ABEA	AHNS <b>C</b>	AAFPRS	AOS	
	AHNS <b>C</b>	ALA	ALA / ABEA	TRIO	
		ARS	ANS		
			ARS		
EVENING	ALA <b>R</b>	1st Poster Reception (ABEA, AHNS, ALA and ARS) <b>R</b>	2nd Poster Reception (AAFPRS, ANS, AOS, and TRIO) <b>R</b>	AOS <b>B R</b>	
		ABEA <b>R</b> , ALA <b>R</b>	ANS <b>R</b>		
		AHNS <b>R</b>			

**C** = Concurrent    **B** = Banquet    **R** = Reception

## COSM SOCIETIES



**AAFPRS**  
American Academy of Facial Plastic and  
Reconstructive Surgery  
[www.aafprs.org](http://www.aafprs.org)



**AOS**  
American Otological Society  
[www.americanotologicalsociety.org](http://www.americanotologicalsociety.org)



**ABEA**  
American Broncho-Esophagological Association  
[www.abea.net](http://www.abea.net)



**ARS**  
American Rhinologic Society  
[www.american-rhinologic.org](http://www.american-rhinologic.org)



**AHNS**  
American Head and Neck Society  
[www.ahns.info](http://www.ahns.info)



**ASPO**  
American Society of Pediatric Otolaryngology  
[www.aspo.us](http://www.aspo.us)




**ALA**  
American Laryngological Association  
[www.alahns.org](http://www.alahns.org)



**TRIO**  
The Triological Society  
[www.triological.org](http://www.triological.org)



**ANS**  
American Neurotology Society  
[www.americanneurotologysociety.com](http://www.americanneurotologysociety.com)



**COBLATION® ULTRA® 45**  
**COBLATION® REFLEX ULTRA® PTR**  
**COBLATION® TURBINATOR®**  
Turbinate Reduction Wands



## The Right Options for Any Turbinate Anatomy

Explore our full portfolio of turbinate reduction options designed to address any anatomic situation.

Visit us at booth 501



# GENERAL INFORMATION

All room locations are located within the Manchester Grand Hyatt, unless otherwise noted.

## ADMISSION REQUIREMENTS

A common registration badge is used by participating organizations. The acronym of each society an attendee is registered for will be printed on the badge. Ribbons on the badge indicate those societies of which the attendee is a member. A badge must be worn to enter the exhibit hall, scientific sessions, and the spouse/guest hospitality lounge.

## BUSINESS CENTER

The Business Center is located in the Harbor Tower on the lobby level in the FedEx Office. Hours are Monday – Sunday, 7:00 am – 7:00 pm. The phone number is 619-236-7956.

## CHILD POLICY

Younger than 16: Not permitted on Exhibit Hall floor or scientific sessions. 16 and older: Must have a badge to enter the Exhibit Hall or meeting rooms. This policy includes infants in strollers and arms.

## CONTINUING MEDICAL EDUCATION CREDIT

Please refer to [www.cosm.md](http://www.cosm.md) for CME information; CME credits/certificates will be processed by participating Societies.

## EMERGENCY INFORMATION

Should you need to report an emergency, dial 55 from any house phone. This extension is used exclusively in the event of an emergency and rings directly into a dedicated phone line located in the Security Department. The Security Officers are trained to answer this phone immediately to obtain all necessary emergency information.

## EXHIBIT HALL

The Exhibits are located in Grand Hall A-D. Please note that coffee breaks and lunch daily (Wednesday and Sunday excluded) will be served in the Exhibit Hall.

- Thursday, April 27, 9:00 am – 4:00 pm
- Friday, April 28, 9:00 am – 4:00 pm
- Saturday, April 29, 9:00 am – 4:00 pm

## HEADQUARTERS HOTEL

Manchester Grand Hyatt  
1 Market Place  
San Diego, CA 92101  
619-232-1234

## OVERFLOW HOTELS

- Hilton San Diego Bayfront  
One Park Boulevard  
San Diego, CA 92101  
619-564-3333
- Westin San Diego  
400 West Broadway  
San Diego, CA 92101  
619-239-4500

## HEADQUARTERS OFFICE

Show Office 6

- Wednesday, April 26, 6:30 am – 5:00 pm
- Thursday, April 27, 7:00 am – 5:00 pm
- Friday, April 28, 7:00 am – 5:00 pm
- Saturday, April 29, 7:00 am – 5:00 pm
- Sunday, April 30, 7:00 am – 12:00 pm

## LOST AND FOUND

Guests can use any house phone located throughout the hotel and ask the operator to connect them to Security.

## MESSAGES

A message board is located by COSM Registration in the Palm Foyer Harbor Tower. Anyone wishing to post a message for an attendee may do so.

## NURSING ROOM

Please contact COSM Headquarters in Show Office 6 to make arrangements.

## PARKING

Overnight Valet: \$47 • Daily Valet: \$49  
Overnight Self: \$32 • Daily Self: \$35

## POSTERS

You may view all Posters via [www.cosm.md](http://www.cosm.md), the Meeting App, and onsite in Grand Hall A-D, Grand Hall Foyer, and Seaport Foyer.

- Thursday, April 27, 9:00 am – 4:00 pm
- Friday, April 28, 9:00 am – 4:00 pm
- Saturday, April 29, 9:00 am – 4:00 pm

Additionally, posters are available for viewing during the Combined Poster Receptions:

- Thursday, April 27, 5:30 pm – 7:00 pm (ABEA, AHNS, ALA, and ARS)
- Friday, April 28, 5:30 pm – 7:00 pm (AAFP, ANS, AOS, and TRIO)

## PRESS OFFICE

Members of the press may pick up a press badge and kit in the COSM Headquarters Office, Show Office 6. All interviews must be conducted in the Press Office.

## REGISTRATION

Palm Foyer, second floor, Seaport Tower

Registration Hours:

- Tuesday, April 25, 12:00 pm – 5:00 pm
- Wednesday, April 26, 6:30 am – 5:00 pm
- Thursday, April 27, 7:00 am – 5:00 pm
- Friday, April 28, 7:00 am – 5:00 pm
- Saturday, April 29, 7:00 am – 3:00 pm
- Sunday, April 30, 7:00 am – 10:00 am

## SPEAKER READY ROOM

La Jolla B

- Tuesday, April 25, 4:00 pm – 8:00 pm
- Wednesday, April 26, 6:00 am – 6:00 pm
- Thursday, April 27, 6:00 am – 6:00 pm
- Friday, April 28, 6:00 am – 6:00 pm
- Saturday, April 29, 7:00 am – 6:00 pm
- Sunday, April 30, 7:00 am – 10:00 am

## SPOUSE/GUEST HOSPITALITY LOUNGE

Marina Room

- Wednesday, April 26, 8:00 am – 12:00 pm
- Thursday, April 27, 8:00 am – 12:00 pm
- Friday, April 28, 8:00 am – 12:00 pm
- Saturday, April 29, 8:00 am – 12:00 pm
- Sunday, April 30, 8:00 am – 10:00 am

Guest badges must be worn to enter the spouse/guest hospitality lounge.

## WIFI

Network: COSM • Password: COSM2017

Complimentary internet access is available in guest rooms, the hotel lobby, the scientific sessions located in the Seaport Ballroom, and the COSM Registration area.

## COSM MISSION:

The mission of the Combined Otolaryngology Spring Meetings (COSM) is to bring together the membership of the COSM societies, Otolaryngology residents in training, medical students and allied health professionals for the purpose of disseminating and exchanging the latest cutting edge clinical and basic scientific research. COSM is the premier educational and technology forum for providing the sub specialties in Otolaryngology – Head and Neck Surgery with an opportunity to improve and expand their knowledge and skills thereby enhancing the quality of patient care.



**The first and only combination ear drop for AOMT in single-use vials<sup>1</sup>**

For treatment of acute otitis media in children with tympanostomy tubes (6 months and older) due to *S. aureus*, *S. pneumoniae*, *H. influenzae*, *M. catarrhalis*, and *P. aeruginosa*.



**OTOVEL**<sup>®</sup>  
ciprofloxacin 0.3% and  
fluocinolone acetonide 0.025%

## Single. Sterile. Simple.

- **14 single-use vials contain 1 premeasured dose each—dose BID/7 days<sup>2</sup>**
- **Every dose is sterile**, precise, and preservative free<sup>2</sup>
- **No drop counting.** No mixing or shaking required<sup>2</sup>

Drop by **BOOTH #101** to learn more!

### IMPORTANT SAFETY INFORMATION

#### Contraindications

OTOVEL is contraindicated in:

- Patients with known hypersensitivity to fluocinolone acetonide or other corticosteroids, ciprofloxacin or other quinolones, or to any other component of OTOVEL.
- Viral infections of the external ear canal, including varicella and herpes simplex infections and fungal otic infections.

**For additional safety information, please see adjacent page for Brief Summary of Prescribing Information, and visit [www.otovel.com](http://www.otovel.com) for full Prescribing Information.**

  
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**References:** 1. US Food and Drug Administration. Orange Book: approved drug products with therapeutic equivalence evaluations. <https://www.accessdata.fda.gov/scripts/cder/ob/default.cfm>. Accessed July 16, 2017.  
2. Otovel [package insert]. Atlanta, GA: Arbor Pharmaceuticals, LLC.

## OTOVEL® (ciprofloxacin and fluocinolone acetonide) otic solution

### Brief Summary of Prescribing Information

#### 1 INDICATIONS AND USAGE

OTOVEL is indicated for the treatment of acute otitis media with tympanostomy tubes (AOMT) in pediatric patients (aged 6 months and older) due to *Staphylococcus aureus*, *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Moraxella catarrhalis*, and *Pseudomonas aeruginosa*.

#### 2 DOSAGE AND ADMINISTRATION

- OTOVEL is for otic use only. It is not for ophthalmic use, or for injection.

The recommended dosage regimen is as follows:

- Instill the contents of one single-dose vial 0.25 mL into the affected ear canal twice daily (approximately every 12 hours) for 7 days. Use this dosing for patients aged 6 months of age and older.
- Warm the solution by holding the vial in the hand for 1 to 2 minutes. This is to avoid dizziness, which may result from the instillation of a cold solution into the ear canal.
- The patient should lie with the affected ear upward, and then instill the medication.
- Pump the tragus 4 times by pushing inward to facilitate penetration of the medication into the middle ear.
- Maintain this position for 1 minute. Repeat, if necessary, for the opposite ear [see *Instructions for Use*].

#### 3 DOSAGE FORMS AND STRENGTHS

Otic Solution: Each single-dose vial of OTOVEL (ciprofloxacin 0.3 % and fluocinolone acetonide 0.025 %) delivers 0.25 mL of solution equivalent to ciprofloxacin 0.75 mg and fluocinolone acetonide 0.0625 mg.

#### 4 CONTRAINDICATIONS

OTOVEL is contraindicated in:

- Patients with known hypersensitivity to fluocinolone acetonide or other corticosteroids, ciprofloxacin or other quinolones, or to any other components of OTOVEL.
- Viral infections of the external ear canal, including varicella and herpes simplex infections and fungal otic infections.

#### 5 WARNINGS AND PRECAUTIONS

##### 5.1 Hypersensitivity Reactions

OTOVEL should be discontinued at the first appearance of a skin rash or any other sign of hypersensitivity. Serious and occasionally fatal hypersensitivity (anaphylactic) reactions, some following the first dose, have been reported in patients receiving systemic quinolones. Some reactions were accompanied by cardiovascular collapse, loss of consciousness, angioedema (including laryngeal, pharyngeal or facial edema), airway obstruction, dyspnea, urticaria and itching. Serious acute hypersensitivity reactions may require immediate emergency treatment.

##### 5.2 Potential for Microbial Overgrowth with Prolonged Use

Prolonged use of OTOVEL may result in overgrowth of non-susceptible bacteria and fungi. If the infection is not improved after one week of treatment, cultures should be obtained to guide further treatment. If such infections occur, discontinue use and institute alternative therapy.

##### 5.3 Continued or Recurrent Otorrhea

If otorrhea persists after a full course of therapy, or if two or more episodes of otorrhea occur within 6 months, further evaluation is recommended to exclude an underlying condition such as cholesteatoma, foreign body, or a tumor.

#### 6 ADVERSE REACTIONS

The following serious adverse reactions are described elsewhere in the labeling: Hypersensitivity Reactions [see *Warnings and Precautions* (5.1)]

##### 6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

In clinical trials, 224 patients with AOMT were treated with OTOVEL for a median duration of 7 days. All the patients received at least one dose of OTOVEL. There were 220 patients who received at least one dose of ciprofloxacin (CIPRO) and 213 patients received at least one dose of fluocinolone acetonide (FLUO). The most common adverse reactions that occurred in 1 or more patients are as follows:

**Table 1: Selected Adverse Reactions that Occurred in 1 or more Patients in the OTOVEL Group**

Adverse Reactions <sup>1</sup>	Number (%) of Patients		
	OTOVEL N=224	CIPRO N=220	FLUO N=213
Otorrhea	12 (5.4%)	9 (4.1%)	12 (5.6%)
Excessive granulation tissue	3 (1.3%)	0 (0.0%)	2 (0.9%)
Ear infection	2 (0.9%)	3 (1.4%)	1 (0.5%)
Ear pruritus	2 (0.9%)	1 (0.5%)	1 (0.5%)
Tympanic membrane disorder	2 (0.9%)	0 (0.0%)	0 (0.0%)
Auricular swelling	1 (0.4%)	1 (0.5%)	0 (0.0%)
Balance disorder	1 (0.4%)	0 (0.0%)	0 (0.0%)

<sup>1</sup> Selected adverse reactions that occurred in ≥ 1 patient in the OTOVEL group derived from all reported adverse events that could be related to the study drug or the drug class.

#### 6.2 Postmarketing Experience

The following adverse reactions have been identified during postapproval use of ciprofloxacin and fluocinolone acetonide otic solution, 0.3% / 0.025% outside the US. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

- Immune system disorders: allergic reaction.
- Infections and infestations: candidiasis.
- Nervous system disorders: dysgeusia, paresthesia (tingling in ears), dizziness, headache.
- Ear and labyrinth disorders: ear discomfort, hypoacusis, tinnitus, ear congestion.
- Vascular disorders: flushing.
- Skin and subcutaneous tissue disorders: skin exfoliation.
- Injury, poisoning and procedural complications: device occlusion (tympanostomy tube obstruction).

#### 8 USE IN SPECIFIC POPULATIONS

##### 8.1 Pregnancy

###### Risk Summary

OTOVEL is negligibly absorbed following otic administration and maternal use is not expected to result in fetal exposure to ciprofloxacin and fluocinolone acetonide (12.3).

##### 8.2 Lactation

###### Risk Summary

OTOVEL is negligibly absorbed by the mother following otic administration and breastfeeding is not expected to result in exposure of the infant to ciprofloxacin and fluocinolone acetonide.

##### 8.4 Pediatric Use

OTOVEL has been studied in patients as young as 6 months in adequate and well-controlled clinical trials. No major differences in safety and effectiveness have been observed between adult and pediatric patients.

##### 8.5 Geriatric Use

Clinical studies of OTOVEL did not include sufficient numbers of subjects aged 65 years and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients.

#### 10 OVERDOSAGE

Due to the characteristics of this preparation, no toxic effects are to be expected with an otic overdose of OTOVEL.

Distributed by:  
Arbor Pharmaceuticals, LLC  
Atlanta, GA 30328

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OTOVEL is a registered trademark of Laboratorios SALVAT, S.A.

U.S. Patent No: 8,932,610

You are encouraged to report negative side effects of prescription drugs to the FDA. Visit [www.fda.gov/medwatch](http://www.fda.gov/medwatch), or call 1-800-FDA-1088.

For more detailed information, see the full prescribing information for Otovel at [www.otovel.com](http://www.otovel.com) or contact Arbor Pharmaceuticals, LLC at 1-866-516-4950.



# WEDNESDAY, APRIL 26

**AHNS**

LOCATION: SEAPORT ABC (UNLESS OTHERWISE NOTED)

CONCURRENT 1: SEAPORT ABC / CONCURRENT 2: SEAPORT FGH

**7:45 am**

Welcome & Report of the AHNS Foundation

Jeffrey N Myers, MD, PhD  
Anna M Pou, MD  
David Goldenberg, MD

**8:00 am**

**Panel 1**

Improving Outcomes in Oral Cavity Cancer

Session Chair:  
Maie St John, MD

Speakers:  
Cheri-Ann Nathan, MD  
Maie St John, MD  
Vasu Divi, MD  
Dennis H Kraus, MD

**9:00 am**

**John Conley Lecture**

Strengthening the AHNS through Diversity and Global Outreach

Johannes J Fagan, MD

**9:45 am**

Break

## CONCURRENT 1

**10:15 am**

**Scientific Session 1: Oral Cavity**

Moderators:  
Don Weed, MD  
Eduardo Mendez, MD, MS

Margin Assessment in Oral Cancer Surgery: Relationship Between Close Margin Distance and Local Recurrence

Kendall K Tasche, MD

Patterns of Recurrence in Oral Tongue Cancer with Perineural Invasion

Jennifer R Cracchiolo, MD

Risk of Nodal Disease in Patients with Oral Squamous Cell Carcinoma Identified by Immune-Gene Expression Profiling

Kelly Y Liu

Topical Fluorescent Agents to Diagnosis Oral Squamous Cell Carcinoma

Angela Haskins, MD

Chronic Post-Operative Opioid Use Following Surgery for Oral Cavity Cancer

John Pang, MD

## CONCURRENT 2

**10:15 am**

**Scientific Session 2: Survivorship**

Moderators:  
Ara Chalian, MD  
Carol Lewis, MD

Long-Term Survivorship In Head and Neck Squamous Cell Carcinoma

Eugenie Du, MD

Exploring the Relationship Between Fear of Treatment Related Side-Effects and Treatment Outcomes in Head and Neck Cancer Patients

Karishma Chhabria, MPH, Bpharm

Trait Mindfulness, Psychosocial and Prognostic Indicators in Head and Neck Cancer

Whitney Rebholz, PhD

Multimodal Analgesia in Outpatient Head and Neck Surgery: A Feasibility and Safety Study

Justin Oltman, BSE

Cognitive Function and Quality of Life in Patients with Oropharyngeal Cancer

Amy M Williams, PhD

**11:00 am**

**Panel 2**

Advanced Non-Melanoma Skin Cancer (NMSC) of the Head and Neck

Session Chair:  
Neil D Gross, MD

Speakers:  
Bryan Bienvenu, MD  
Brian Moore, MD  
Sue Yom, MD

**12:00 pm**

AHNS Business Meeting

*(Members only)*

*Lunch will be provided during Business Meeting*

or lunch on own

**1:00 pm**

**Keynote Lecture**

A Road Less Traveled

Francisco G Cigarroa, MD

## CONCURRENT 1

**2:00 pm**

**Panel 3**

Quality and Value in Head and Neck Reconstruction: Current Trends, Evidence and Practices

Session Chair:  
Matthew Old, MD

Speakers:  
Vasu Divi, MD  
Derrick Lin, MD  
Jeremy Richmon, MD  
Tamer Ghanem, MD  
Urjeet Patel, MD

## CONCURRENT 2

**2:00 pm**

**Panel 4**

Bringing Unconscious Bias into the Conscious in Head and Neck Surgery

Session Chair:  
Amy Y Chen, MD, MPH

Speakers:  
Thierry Devos, PhD  
Beth Chung, PhD  
Carol R Bradford, MD

**3:00 pm**

Break

## CONCURRENT 1

**3:30 pm**

**Scientific Session 3: Thyroid & Parathyroid**

Moderators:  
David Steward, MD  
Michael Singer, MD

Characterizing the Immune Microenvironment of Papillary Thyroid Carcinoma

Casey Means, MD

Preoperative Prediction of Extranodal Extension in Metastatic Papillary Thyroid Cancer Using Ultrasonography

Daniah Bu Ali, MD

Lymph Node Density is a Predictor of Outcome in Differentiated Thyroid Cancer

Moran Amit, MD, PhD

Trends and Safety of Outpatient Thyroid Surgery: A Review of 76,604 Cases in The American College of Surgeons National Surgical Quality Improvement Program

Eamon J McLaughlin, MD

WEDNESDAY, APRIL 26

# WEDNESDAY, APRIL 26

WEDNESDAY, APRIL 26

## AHNS

LOCATION: SEAPORT ABC (UNLESS OTHERWISE NOTED)  
 CONCURRENT 1: SEAPORT ABC / CONCURRENT 2: SEAPORT FGH

Preoperative Vitamin D Deficiency is a Predictor of Hypocalcemia Following Thyroidectomy  
 Luiz P Kowalski, PhD

The Utility of Intraoperative PTH in the Setting of Pre-Operative Imaging Localization and Concordant Operative Findings  
 Shivani Shah-Becker, MD

The Role of Adjuvant External Beam Radiotherapy in Locally Advanced Differentiated Thyroid Cancer  
 Samantha Tam, MD

### CONCURRENT 2

#### 3:30 pm Scientific Session 4: Head & Neck Reconstruction

Moderators:  
 Trevor Hackman, MD  
 Scharukh Jalishi, MD  
 The American College of Surgeons NSQIP Risk Calculator Does Not Accurately Predict Outcomes in Patients Undergoing Microvascular Head and Neck Reconstruction: A Study of 555 Cases  
 Yue Ma, MD

Alcohol Abstinence Contracting Improves Postoperative Outcomes in Alcohol Misusers with Free Flap Reconstruction of the Head and Neck  
 Azeem Kaka, MD

Outcomes and Cost Implications of Microvascular Reconstructions of the Head and Neck  
 Larissa Sweeny

Shorter Latency Between Radiation Therapy and Salvage Laryngopharyngeal Surgery Increases Complication Rates Following Microvascular Free Tissue Transfer  
 Chase M Heaton, MD

Does Decreasing Antibiotic Duration Prevent Infections in Head and Neck - Free Flap Patients? A Novel Protocol Put to the Test  
 Sanjeev Balamohan, MD

Outcomes and Reliability of the Venous Flow Coupler in the Postoperative Monitoring of Head and Neck Free Flaps  
 Rance J Fujiwara, BS

Comparison of the Submental Island Artery Pedicled Flap and the Forearm Free Flap for the Reconstruction of Defects of the Head and Neck  
 Nawaf Aslam-Pervez, MD, DDS

4:30 pm  
 Panel 5  
 Nuances in the Management of Parathyroid Diseases  
 Session Chair:  
 David Steward, MD  
 Speakers:  
 Michael C Singer, MD  
 David C Shonka, MD  
 Emad Kandil, MBBCh  
 Brendan C Stack, MD

6:00 pm  
 Fellowship Information Session

# WE THANK YOU

COSM wishes to give special thanks and recognition to the exhibitors that have provided additional corporate support:

Arbor Pharmaceuticals, Inc.  
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 InHealth Technologies

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 Smith & Nephew  
 Stryker  
 Teleflex



# WEDNESDAY, APRIL 26

ALA

LOCATION: SEAPORT DE (UNLESS OTHERWISE NOTED)

WEDNESDAY, APRIL 26

**7:00 am**

Business Meeting  
*(Members Only)*

**8:00 am**

Welcome  
Kenneth W Altman, MD, PhD

Introduction of Guest of Honor  
Kenneth W Altman, MD, PhD  
Guest of Honor:  
Robert H Ossoff, DMD, MD

Presentation of  
Presidential Citations  
Kenneth W Altman, MD, PhD  
Recipients:  
Peter C Belafsky, MD, PhD  
Norman Hogikyan, MD  
Albert Merati, MD  
Randal C Paniello, MD, PhD  
Robert T Sataloff, MD, DMA  
Peak Woo, MD

Recognition of  
Program Committee  
Kenneth W Altman, MD, PhD  
Program Committee:  
Ted Mau, MD, PhD  
Joel Blumin, MD  
James Burns, MD  
Seth M Cohen, MD, MPH  
Karen M Kost, MD  
Tanya K Meyer, MD, MS

### Presidential Address

Unity, Integrity, and Our  
Common Sense of Purpose  
with the ALA  
Kenneth W Altman, MD, PhD

### Scientific Session I: Cough and Airway

Moderators:  
Ellen M Friedman, MD  
Albert Merati, MD

**8:30 am**

Superior Laryngeal Nerve  
Transection for Neuropathic  
Cough  
Joseph P Bradley, MD

**8:37 am**

Computational Modeling of  
Cough and Airway Clearance  
in Patients with Disorders of  
Laryngeal Function  
Bari Hoffman Ruddy, PhD

**8:44 am**

Recurrent Laryngeal  
Nerve Reinnervation for  
Management of Aspiration in  
a Subset of Children  
Karen B Zur, MD

**8:51 am**

Endoscopic Partial  
Arytenoidectomy with CO<sub>2</sub>  
Laser for Bilateral Vocal Fold  
Paralysis: Medially Based  
Mucosal Flap Technique and  
Experience with 64 Patients  
Taner Yilmaz, MD

**8:58 am**

Discussion

### Scientific Session II: Neurolaryngology

Moderators:  
Roger L Crumley, MD, MBA  
James A Burns, MD

**9:07 am**

A Prospective Crossover  
Trial of Botulinum Toxin  
Chemodenervation Versus  
Injection Augmentation for  
Essential Voice Tremor  
Christine Estes, MM, MA,  
CCC-SLP

**9:14 am**

Phenomenology, Genetics  
and CNS Network  
Abnormalities in Laryngeal  
Dystonia: A 30 Year Study  
Andrew Blitzer, MD, DDS

**9:21 am**

Surface Electromyography  
for Identification of  
Pre-Phonatory Activity  
Katherine C Yung, MD

**9:28 am**

The Laryngeal Adductor Reflex  
in Humans Under General  
Anesthesia: Discovery of R2  
and Consistent Contralateral  
R1 Responses and the  
Development of a Novel  
Continuous Intraoperative  
Neuromonitoring Technique  
Catherine F Sinclair, MD

**9:35 am**

Discussion

**9:45 am**

Break

### Scientific Session III: Vocal Fold Paralysis I

Moderators:  
Marshall Smith, MD  
J Pieter Noordzij, MD

**10:15 am**

Recurrent Laryngeal Nerve  
Re-innervation or Injection  
Laryngoplasty: Which is  
More Effective for Treating  
Thyroidectomy-Related  
Vocal Fold Paralysis? A  
Long-Term Comparative  
Prospective Study  
Seung Won Lee, MD, PhD

**10:22 am**

Shortening the Time Under  
Sedation for Thyroplasty  
with Arytenoid Adduction  
Using a Sequential  
Anesthetic Technique  
Charles K Saadeh, MD

**10:29 am**

Recurrent Laryngeal Nerve  
Regeneration in a Rat Model  
of Laryngeal Denervation  
Robbi A Kupfer, MD

**10:36 am**

Innervation Status of Chronic  
Vocal Fold Paralysis and  
Implications for Laryngeal  
Reinnervation  
R Jun Lin, MD

**10:43 am**

Discussion

**10:50 am**

Introduction of the State  
of the Art Lecturer  
Kenneth W Altman, MD, PhD

**10:51 am**

**State of the Art Lecture**  
Rehabilitation of the Neurally  
Impaired Larynx  
Randal C Paniello, MD, PhD

**11:23 am**

**Panel Discussion**  
Vocal Fold Paresis:  
Does Laterality Matter?  
Moderator: Stacey Halum, MD  
Lucian Sulica, MD  
Phillip Weissbrod, MD  
Nicole Maronian, MD  
Gauthier Desuter, MD, MSc

**11:59 am**

Announcements/  
Adjournment  
Lucian Sulica, MD

**12:05 pm**

Group Photos  
*(Fellows/Members Only)*

# WEDNESDAY, APRIL 26

WEDNESDAY, APRIL 26

## ABEA

LOCATION: SEAPORT DE (UNLESS OTHERWISE NOTED)

**1:00 pm**

ABEA Member Business Meeting  
*(Members Only)*

**1:30 pm**

Presidential Welcome, Introduction of Guests, Presidential Citations and Program  
Dana M Thompson, MD  
Michael Hinni, MD

**1:45 pm**

### Presidential Address

Celebrating 100 Years of the ABEA Disruptive Innovation/ Diversity and Inclusion  
Dana M Thompson, MD

### Session 1: Esophageal Diseases Block

Moderators:  
Nicholas LaRusso, MD  
Gregory Postma, MD

**2:15 pm**

Moderator Opening

**2:20 pm**

Effect of Body Position on Pharyngeal Swallowing Pressures Evaluated with High-Resolution Manometry  
Sarah Rosen, MD

**2:24 pm**

Quantitative Analysis of Esophagram Normatives in Cervical Esophageal Stenosis  
Cherine H Kim, MD

**2:28 pm**

The Relationship Between Hiatal Hernia and Cricopharyngeus Muscle Dysfunction  
Nogah Nativ-Zeltzer, MD

**2:32 pm**

Eosinophilic Esophagitis in Children Under the Age of 5 Years: Clinical Characteristics  
Ravi W Sun, MD

**2:36 pm**

Transnasal Esophagoscopy: A Review of over 500 Cases  
Jacqui E Allen, MD

**2:40 pm**

Moderator Closing

### Session 2: Tracheal Pathology Block

Moderators:  
Michael Rutter, MD  
Karen Swanson, MD

**2:45 pm**

Moderator Opening

**2:50 pm**

Gender and Racial Disparities in the Management of Inpatient Croup in the United States  
Jonathan C Simmonds, MD

**2:54 pm**

Modified Single-Stage Segmental Cricotracheal Resection  
Ihab Atallah, MD

**2:58 pm**

Computational Fluid Dynamics Study of Airflow Limitation Associated with Subglottic Stenosis  
Emily Lin, MD

**3:02 pm**

Effects of Supra-Maximal Balloon Dilatation Pressures on Adult Cricoid and Tracheal Cartilage: A cadaveric Study  
Venkata S Durvasula, MD

**3:06 pm**

Open Airway Reconstructive Surgery in Resource-Limited Settings: How this can be Performed Safely and Effectively  
Roger C Nuss, MD

**3:10 pm**

Moderator Closing

**3:15 pm**

Break

### Session 3: New Technology Block

Moderators:  
Jonathan Aviv, MD  
Kris Jatana, MD

**3:45 pm**

Moderator Opening

**3:50 pm**

3-Dimensional (3D) Tissue-Engineered Skeletal Muscle for Laryngeal Reconstruction  
Sarah Brookes, MD

**3:54 pm**

Reproducibility and Ease of Use in Endoscopic Airway Measurement  
Christian R Francom, MD

**3:58 pm**

Use of Autologous Adipose-derived Mesenchymal Stem Cells for Creation of Laryngeal Cartilage  
Stacey Halum, MD

**4:02 pm**

Toxicity Trial of Canine Posterior Cricoarytenoid Intramuscular Vincristine Injections  
Randal C Paniello, MD

**4:06 pm**

Glottic Stenosis: An Anatomic Analysis of Endotracheal Tube Injury and Treatment with a New Self-Retaining Interarytenoid Spring  
Steven M Zeitels, MD

**4:10 pm**

Moderator Closing

**4:15 pm**

Ellen M Friedman Foreign Body Award and Presentations  
Moderator: Ellen M Friedman, MD

**4:15 pm**

An Inadvert-ant Midnight Snack  
Sean Hashemi, MD

**4:20 pm**

Grill-Cleaning Wire Brush Bristle Ingestion: Case Series and Review of the Literature with a Concentration on Removal and the Role of CT Scan Imaging  
Melissa Mortensen, MD

**4:25 pm**

Ellen M Friedman Foreign Body Award

**4:30 pm**

Successful Management of an Esophageal Foreign Body Complicated by TEF and Sepsis  
Krista Kiyosaki, MD

**4:35 pm**

Adjournment

# THURSDAY, APRIL 27

**ABEA**

LOCATION: SEAPORT DE (UNLESS OTHERWISE NOTED)

**7:00 am**

ABEA Members  
Business Meeting  
*(Members Only)*

**7:45 am**

Presidential Welcome and  
Induction of New Members

**7:55 am**

Presentation of Poster Awards

## Session 4: Cancer Block

Moderators:  
Christine Gourin, MD  
Kerry Olsen, MD

**8:00 am**

Moderator Opening

**8:05 am**

Functional and Oncologic  
Outcomes of Transoral  
KTP Laser Surgery Versus  
Radiation for T1 Glottic  
Carcinoma  
Jamal Ahmed, MD

**8:09 am**

Trends in Laryngeal Cancer:  
Is the Etiology Shifting?  
Kaitlyn Strickland, MD

**8:13 am**

Safety and Efficacy of  
Functional Laryngectomy for  
End-Stage Dysphagia  
Michael C Topf, MD

**8:17 am**

Usefulness of Ultrasound for  
Accessing the Primary Site of  
Hypopharyngeal Carcinoma  
Takahiro Fukuhara, MD

**8:21 am**

Effect of Pre-Treatment  
Dysphagia on Development  
of Post-Chemoradiation  
Swallowing Dysfunction  
in Patients with Head and  
Neck Cancer  
Daniel Cates, MD

**8:25 am**

Moderator Closing

**8:30 am**

**Chevalier Q Jackson Award**  
Jamie Koufman, MD

**8:35 am**

**Chevalier Q Jackson Lecture**  
Nicholas LaRusso, MD

## Session 5: Voice Disorders Block

Moderators:  
David Lott, MD  
Albert Merati, MD

**9:20 am**

Moderator Opening

**9:25 am**

Immunologic Responses to a  
Novel DNA Vaccine Targeting  
HPV11 E6E7  
Simon R A Best, MD

**9:29 am**

Clinical Outcomes of Patients  
with Vocal Fold Paresis  
Documented by LEMG  
Sean Lewis, MD

**9:33 am**

Compound Motor Action  
Potential Measures Acute  
Changes in Laryngeal  
Innervation in Canines  
Neel K Bhatt, MD

**9:37 am**

Vocal Fold Injection of  
Absorbable Materials: A  
Histological Analysis with  
Clinical Ramifications  
Steven Zeitels, MD

**9:41 am**

Quality of life of patients  
with Recurrent Respiratory  
Papillomatosis  
Frederik G. Dikkers, MD

**9:45 am**

Predicting Glottal  
Insufficiency Using Pitch  
Analysis  
Jacob Cohen, MD

**9:49 am**

Moderator Closing

**9:55 am**

Break with Exhibitors  
*Grand Hall A-D*

## Session 6: Airway Surgery and Sleep Medicine

Moderators:  
Maria Suurna, MD  
Julie Wei, MD

**10:30 am**

Moderator Opening

**10:35 am**

Comparison of a Dedicated  
Airway Unit Versus  
Intensive Care Unit:  
Impact on Hospital Costs  
for Airway Patients  
Catherine K Hart, MD

**10:39 am**

Impact of Prematurity on  
Unilateral Vocal Fold Immobility  
Karen B Zur, MD

**10:43 am**

Selection of Tracheostomy  
Tube in the Morbidly Obese  
Kristan P Alfonso, MD

**10:47 am**

Predictors of Response  
to Surgery in Thyroidoid  
Pain Syndrome  
Jeffrey M Straub, MD

**10:51 am**

Laryngopharyngeal Findings  
of Nocturnal Reflux: Finding  
Score Redux  
Jamie Koufman, MD

**10:55 am**

Moderator Closing

**11:00 am**

### Panel Presentation

Mucosal Immunology in the  
Development and Treatment  
of Laryngotracheal Disease  
Moderator: Alexander Hillel, MD  
Susan Thibeault, PhD  
Alexander Gelbard, MD  
Alessandro de Alarcon, MD

**11:45 am**

Member Photograph  
*(Members Only)*

**5:30 pm**

Combined Poster Reception  
*Grand Hall A-D, Grand Hall Foyer,  
and Seaport Foyer*

**7:30 pm**

Centennial Gala  
*Coronado Foyer/Terrace*

THURSDAY, APRIL 27

# THURSDAY, APRIL 27

## AHNS

LOCATION: SEAPORT ABC (UNLESS OTHERWISE NOTED)  
 CONCURRENT 1: SEAPORT ABC / CONCURRENT 2: GASLAMP ABC

6:30 am

How to Get a “Head-(and Neck) Start” to Your Career

*Jointly sponsored by the AHNS Young Members Ad Hoc Committee, AHNS Women’s Task Force, & AHNS Diversity Ad Hoc Committee*

Session Chairs:

Amy Y Chen, MD, MPH  
 Uma Duvvuri, MD, PhD  
 Vikas Mehta, MD

Moderators:

Melonie Nance, MD  
 Thomas J Ow, MD

Panelists:

Carole Fakhry, MD, MPH  
 Eduardo Mendez, MD  
 Amy Y Chen, MD, MPH  
 Patrick K Ha, MD

### CONCURRENT 1

8:00 am

#### Scientific Session 5: Larynx & Hypopharynx

Moderator:

Andrew McWhorter, MD

Sarcopenia is an Independent Negative Prognostic Indicator for Wound Complications After Total Laryngectomy

Virginie Achim, MD

Effect of a Perioperative Education Program on Unplanned Readmission Following Total Laryngectomy: Results of a Prospective Cohort Trial

Evan M Graboyes, MD

Organ Preservation Versus Primary Surgery in the Management of T3 Laryngeal and Hypopharyngeal Cancers

Sudhir V Nair, MD

The Role of Salvage Surgeries in Recurrent Hypopharyngeal Cancers After Primary Organ Preservation Therapy

Pei-Hsin Chu, MD

Survival After Refusal of Surgical Treatment for Locally Advanced Laryngeal Cancer

Sean T Massa, MD

### CONCURRENT 2

8:00 am

#### Scientific Session 6: Immunotherapy & Genomics

Moderators:

Joseph A Califano, MD  
 John Sunwoo, MD

Novel C-Terminal Heat Shock Protein Inhibitors are Effective in Targeting Cisplatin Resistant Head and Neck Squamous Cell Carcinoma

Kevin J Kovatch, MD

Cisplatin Schedule and Pharmacogenomic Predictors of Ototoxicity in Head and Neck Cancer Patients Treated with Chemoradiation

Eric Winquist

PD-1 Blockade Prevents The Development of Oral Squamous Cell Carcinoma from Carcinogen-Induced Premalignant Lesions

Carlos Caulin

Post-Operative Immune Checkpoint Blockade to Prevent Cancer Recurrence in the Surgical Wound

Han-Sin Jeong, MD, PhD

Analysis of the Genomic Landscape of Anaplastic Thyroid Cancer Provides Insight into Thyroid Cancer Progression

Anthony C Nichols, MD

Avelumab (anti-PD-L1) in combination with chemoradiotherapy (CRT) vs CRT in first-line treatment of locally advanced squamous cell carcinoma of the head and neck (LA-SCCHN): JAVELIN Head and Neck 100 phase 3 trial

Ezra Cohen, MD

8:45 am

#### Hayes Martin Lecture

Reconstruction: The Final Dimension in Head and Surgery

Mark K Wax, MD

9:30 am

#### AHNS Research Awards

9:45 am

Break with Exhibitors

Grand Hall A-D

10:15 am

#### Presidential Address and Awards

The Next XIX

Jeffrey N Myers, MD, PhD

11:00 am

#### Jatin P Shah Symposium

Aggressive Thyroid Malignancies: State of the Art Management

Session Chair:

Gregory L Randolph, MD

Speakers:

Joseph Scharpf, MD  
 David Goldenberg, MD  
 Mark Zafereo, MD  
 Ralph P Tufano, MD

12:00 pm

Lunch with Exhibitors

Grand Hall A-D

### CONCURRENT 1

1:00 pm

#### Scientific Session 7: Value Based H&N Cancer Care

Moderators:

Andy Nemecek, MD  
 Eric Lentsch, MD

Cost-Effective Analysis of Treatment Strategy of Head and Neck Squamous Cell Carcinoma by Early and Late Stage at Diagnosis in a Cancer Care Facility

Shin Jeong, PhD

A Randomized Controlled Trial Comparing Output Volume Thresholds for Drain Removal After Selective Lateral Neck Dissections: A Preliminary Report

Matthew Tamplen, MD

Venous Thromboembolism Incidence in Head and Neck Surgery Patients: Analysis of the Veterans Affairs Surgical Quality Improvement Program (VASQIP) Database

Alia Mowery, BS

Multidisciplinary Head and Neck Cancer Clinic; A Single Institution Experience

M Townsend, MD

Cost and Healthcare Utilization Among Head and Neck Cancer Patients in a Single-Payer Universal Health Care Model

Art Ambrosio, MD

Readmissions in Head and Neck Cancer - A National Perspective

Michelle M Chen, MD

THURSDAY, APRIL 27



# THURSDAY, APRIL 27

**AHNS** CONTINUED

LOCATION: SEAPORT ABC (UNLESS OTHERWISE NOTED)  
CONCURRENT 1: SEAPORT ABC / CONCURRENT 2: GASLAMP ABC

Prediction of Discharge Destination Following Laryngectomy  
Fangfang Wang, BM

The Positive Impact of Expanding the Role of Advanced Practice Providers in Head and Neck Cancer Care  
Emily Shindeldecker, NP

## CONCURRENT 2

1:00 pm

### Scientific Session 8: Outcomes

Moderators:  
Mark Zafereo, MD  
Patrick Ha, MD

Reassessment of Adjuvant Therapy for High-Risk Resected Squamous Cell Carcinoma of the Head and Neck  
Gaurav S Ajmani, MHS

Margin Status, Surgical Approach, and Oncologic Outcomes Following Gross Total Resection of Sinonasal Melanoma  
Zafar Sayed, MD

Incidence and Risk Factors for Mandibular Osteoradionecrosis in the Modern Era  
Dominic H Moon, MD

Endoscopic Endonasal Approach for Treatment of Sinonasal Tract and Nasopharyngeal Adenoid Cystic Carcinoma  
Ryota Kashiwazaki, MD

Survival Outcomes of HPV-Related Oropharyngeal Cancer and Node-Positive Disease Without Adjuvant Radiation  
Farzad Masroor, MD

Factors That Predict Mortality in Papillary Thyroid Carcinoma  
Omar Karadaghy, BLA

Body Mass Index and Composition Predict Survival in Head and Neck Cancer Patients with Comorbid Conditions  
Gina Y Chang, MPH

The Impact Of Mental Health Comorbidities on the Bottom Line in Head and Neck Cancer Care  
Diana D Jeffery, PhD

## CONCURRENT 1

2:00 pm

### Panel 6

8th Edition of the AJCC Staging Manual: Introduction to Major Changes

Session Chair:  
William M Lydiatt, MD

Speakers:  
William M. Lydiatt, MD  
Snehal G Patel, MD  
John A Ridge, MD, PhD  
Joseph A Califano, MD

## CONCURRENT 2

2:00 pm

### Panel 7

Ethics in Practice: Cancer Survivorship and its Consequences

Session Chair:  
Susan D McCammon, MD

Speakers:  
Kelly M. Malloy, MD  
Karen T Pitman, MD  
Carole Fakhry, MD, MPH

3:00 pm

Break with Exhibitors  
*Grand Hall A-D*

## CONCURRENT 1

3:30 pm

### Scientific Session 9: Oropharynx

Moderators:  
Jason Newman, MD  
Richard Smith, MD

Long-Term Survival Outcomes and Causes of Mortality in Advanced Stage Oropharyngeal Squamous Cell Carcinoma  
Jessica M Clark, MD, MSC

Second Primary in Oropharyngeal Squamous Cell Carcinoma (OPSCC) A Single Institution Experience  
Ameya Asarkar, MD

Factors Associated with Recurrence and Distant Metastasis in HPV-Positive Oropharyngeal Squamous Cell Carcinoma (OPSCC) Following Transoral Robotic Surgery (TORS)  
John R Sims, MD

Prognostic Significance of Angiolymphatic and Perineural Invasion in Human Papillomavirus Associated Oropharyngeal Carcinoma  
William G Albergotti, MD, PhD

A Systematic Review of Transoral Laser Microsurgery and Transoral Robotic Surgery for Oropharyngeal Cancer  
Jonathan Waxman, MD

Application of the 8th Edition American Joint Committee on Cancer Staging System for HPV-Related Oropharyngeal Cancer Treated with Transoral Robotic Surgery  
Arvind K Badhey, MD

Comparative Analysis of Two Robotic Thyroidectomy Procedures: Transoral Versus Bilateral Axillo-Breast Approach  
Hoon Yub Kim

Meta-Analysis Comparing Outcomes of Different Transoral Surgical Modalities in Management of Oropharyngeal Carcinoma  
Ahmed S Ibrahim, MD

Racial Disparities in Access to Transoral Robotic Surgery for Oropharyngeal Cancer  
Demetri Arnaoutakis, MD

Histopathologic Evaluation of Frozen Margins After Trans-Oral Robotic Surgery (TORS)  
Emily Barrow, MD

Nivolumab Versus Investigator's Choice Therapy Among Patients with Human Papillomavirus (HPV)-Associated Squamous Cell Carcinoma of the Head and Neck (Scchn): Updated Results from Checkmate 141  
ML Gillison

A Novel Bioinformatic Method to Evaluate the Imaging Characteristics and Predict Extracapsular Extension in Lymph Node Metastasis Associated with HPV Positive Oropharyngeal Squamous Cell Carcinoma  
Jonathan C Garneau, MD

THURSDAY, APRIL 27

# THURSDAY, APRIL 27

## AHNS CONTINUED

LOCATION: SEAPORT ABC (UNLESS OTHERWISE NOTED)  
 CONCURRENT 1: SEAPORT ABC / CONCURRENT 2: GASLAMP ABC

### CONCURRENT 2

3:30 pm

#### Scientific Session 10: Clinical Research

Moderators:  
 Amy Y Chen, MD, MPH  
 Larry Myers, MD

High-Dose or Low-Dose  
 Cisplatin Concurrent with  
 Radiotherapy in Locally  
 Advanced Head and Neck  
 Squamous Cell Cancer  
 Szu-Yuan Wu, MD, MPH

Objective and Subjective  
 Hyposalivation After Treatment  
 for Head and Neck Cancer:  
 Long Term Outcomes  
 Ilya Likhterov, MD

The Utility of Elective Neck  
 Dissection in Node-Negative  
 Floor of Mouth Squamous  
 Cell Carcinoma  
 Meghan M Crippen, MS

Submandibular Gland  
 Transfer for the Prevention  
 of Osteoradionecrosis and  
 Xerostomia in Radiated  
 Patients  
 Harry H Ching, MD

A Clinical Trial Evaluating  
 5-Azacytidine in the Treatment  
 of HPV-Associated Head and  
 Neck Cancer Patients  
 Michael Hajek

Contemporary Trends  
 and Outcomes in the  
 Management of Salivary  
 Gland Carcinoma: A National  
 Cancer Database Review  
 Jay Ferrell, MD

Incidence Of De Novo Head  
 and Neck Cancer After Liver  
 Transplantation at a Single  
 Institution  
 Ryan C Graham

Prognostic Factors and  
 Survival in Adenoid Cystic  
 Carcinoma of the Sinonasal  
 Cavity  
 Ashley C Mays, MD

Adjuvant Therapy Following  
 Surgery for Head and Neck  
 Cutaneous Squamous Cell  
 Carcinoma  
 Brianna N Harris, MD

Factors Impacting Treatment  
 Approaches for Sinonasal  
 Squamous Cell Carcinoma:  
 A National Cancer Data  
 Base Analysis  
 Jennifer R Cracchiolo, MD

Limited Predictive Value of  
 the National Surgical Quality  
 Improvement Program Risk  
 Calculator for Use In Head  
 and Neck Oncology  
 Surgical Patients  
 Peter S Vosler, MD, PhD

5:30 pm

President's Poster  
 Discussion Session

Poster Tour Moderators:  
 Clinical Research –  
 William B Lydiatt, MD

Clinical Trials/NMSC/  
 Immunotherapy –  
 Rohan R Walvekar, MD

Endocrine – Maria Evasovich, MD  
 Genomics/Basic Science –  
 Young Jun Kim, MD, PhD

Larynx/hypopharynx –  
 Genevieve A Andrews, MD

Oral Cavity – Maie St. John, MD

Oropharynx – Willian R Ryan, MD

Outcomes – Lana L Jackson, MD

Reconstruction/Robotics –  
 Jason T Rich, MD

Survivorship –  
 Susan D McCammon, MD

Value – Marilene B Wang, MD

7:30 pm

President's Reception  
*Coronado C-E*

THURSDAY, APRIL 27



## THANK YOU, DR. SHAPSHAY

Stanley M. Shapshay, MD, FACS has served as the Secretaries Liaison Committee (SLC) Chair for the past 8 years, overseeing COSM and encouraging collaboration and consensus between Societies. Dr. Shapshay is a passionate teacher, leader, and pioneer in the field. He is a Past President of the American Broncho-Esophagological Association, the American Laryngological Association, and the Triological Society. He established the design and use of rigid bronchoscopic equipment and laser technology over the past 35 years and has published over 195 peer reviewed publications, 31 book chapters, two books, and two patents. Dr. Shapshay currently teaches at Albany Medical College. At the conclusion of COSM, Dr. Shapshay will pass the reins to Chair-Elect, Gregory Grillone, MD, FACS.

**Thank you, Dr. Shapshay, for your contributions to COSM and its mission to improve patient care.**

# THURSDAY, APRIL 27

ARS

LOCATION: SEAPORT FGH (UNLESS OTHERWISE NOTED)

**7:55 am**

Welcome

John DelGaudio, MD

Moderators:

Stella Lee, MD

Amber Luong, MD, PhD

**8:00 am**

Establishing Urinary Leukotriene E4 As a Diagnostic Biomarker for Chronic Rhinosinusitis with and without Comorbid Asthma and Atopy  
Griffin Santarelli, MD

**8:07 am**

Pre-operative Lund-Mackay Ct Score Predicts Quality of Life Outcome Trajectories After Sinus Surgery in Chronic Rhinosinusitis Patients  
Michal Trope, BA

**8:14 am**

Understanding the Relationship Between Olfactory-Specific Quality of Life, Objective Olfactory Loss, And Patient Factors in Chronic Rhinosinusitis  
Jose L Mattos, MD, MPH

**8:21 am**

Role of Tissue Eosinophils in Chronic Rhinosinusitis-Associated Olfactory Loss  
Leah J Hauser, MD

**8:28 am**

Discussion

Moderators:

Henry Barham, MD

Eric Wang, MD

**8:33 am**

LL-37 Causes Cell Death of Human Nasal Epithelial Cells, which is Inhibited with a Synthetic Glycosaminoglycan  
Andrew J Thomas, MD

**8:40 am**

Ciprofloxacin Antimicrobial Activity Against Pseudomonas Aeruginosa is Enhanced by the CFTR Potentiator, Ivacaftor  
Do-Yeon Cho, MD

**8:47 am**

Denatonium-Induced Bacterial Killing in Sinonasal Epithelium Correlates with Chronic Rhinosinusitis Clinical and Surgical Outcomes  
Alan Workman, BA

**8:54 am**

Oral Glucosamine Treatment Had Anti-Allergic Effect in Mice with Allergic Asthma and Rhinitis  
Young Hyo Kim, MD, PhD

**9:01 am**

Discussion and Award Presentation

**9:08 am**

**Presidential Address**

John DelGaudio, MD

**9:18 am**

**Panel**

Fresh out of the Box: Compelling Recent Advances

Moderator:

Benjamin Bleier, MD

Panelists:

Noam Cohen, MD, PhD

Stella Lee, MD

Raymond Sacks, MD

**10:00 am**

Break with Exhibitors

*Grand Hall A-D*

Moderators:

Eric Holbrook, MD

Justin Turner, MD

**10:20 am**

Vitamin D in Airway Epithelium Derived from Chronic Rhinosinusitis Patients  
Sophia W Ma, BMed

**10:27 am**

Assessment of Acquired Mucociliary Clearance Defects Using Microscopic Optical Coherence Tomography  
Jessica Grayson, MD

**10:34 am**

The Role of Tight Junctions in the Pathogenesis of Chronic Rhinosinusitis  
Raewyn A Cavubati

**10:41 am**

Calgranulin C (s100a12) is Differentially Expressed in Subtypes of Chronic Rhinosinusitis

Abigail Pulsipher, PhD

**10:48 am**

Discussion

Moderators:

Michael Platt, MD

David Poetker, MD

**10:54 am**

Defining a Minimal Clinically Important Difference (MCID) for the Brief Smell Identification Test in Chronic Rhinosinusitis  
Joshua M Levy, MD, MPH

**11:01 am**

Chronic Rhinosinusitis-Associated Cytokines in Olfactory Cleft Mucus  
Jeffanie Wu

**11:08 am**

Referral Patterns for Patients with Olfactory Dysfunction and Their Effect on Outcomes  
Aakanksha Rathor, MD

**11:15 am**

Discussion

**11:21 am**

**Panel**

Leadership Lessons Learned

Moderator:

Michael G Stewart, MD, PhD

Panelists:

Alexander Chiu, MD

Todd Kingdom, MD

Scott Stringer, MD

Carol Bradford, MD

**12:00 pm**

Lunch with Exhibitors

*Grand Hall A-D*

Moderators:

Christopher Church, MD

Devyani Lal, MD

**1:00 pm**

Histopathology in Chronic Rhinosinusitis Varies with Sinus Culture

Ashley L Heilingoetter, MPH

**1:07 pm**

Microbiota Diversity in a Rabbit Model of Chronic Rhinosinusitis  
Matthew Fort, MD

THURSDAY, APRIL 27

# THURSDAY, APRIL 27

**ARS** CONTINUED

LOCATION: SEAPORT FGH (UNLESS OTHERWISE NOTED)

THURSDAY, APRIL 27

**1:14 pm**

Susceptibility of Airway Pathogens to Antimicrobial Effects of Nitric Oxide  
Alan D Workman, BA

**1:21 pm**

Novel Role of Surfactant Protein A in Bacterial Sinusitis  
George T Noutsios, PhD

**1:28 am**

Discussion

Moderators:  
Greg Davis, MD, MPH  
Mark Zacharek, MD

**1:34 pm**

A Prospective Analysis Evaluating Mucosal Biopsy Location and its Clinical Relevance in Chronic Rhinosinusitis with Nasal Polyps  
Ava R Weibman, BA

**1:41 pm**

The Role of Doxycycline in the Management of Chronic Rhinosinusitis with Nasal Polyps  
Sarah M Kidwai, MD

**1:48 pm**

The Role of Mast Cells and Tim-3 Expression in Determining Severity of Chronic Rhinosinusitis with Nasal Polyposis  
Erica Corredera, MS

**1:55 pm**

Discussion

**2:01 pm**

**Panel**  
Culture Shock: Updates on the Microbiome in Rhinosinusitis

Moderator:  
Andrew Goldberg, MD

Panelists:  
Emily Cope, PhD  
Richard Douglas, MD  
Robert Kern, MD

Moderators:  
Oswaldo Henriquez, MD  
Spencer Payne, MD

**2:41 pm**

Accuracy of Computer-Assisted Navigation: Significant Augmentation by Facial Recognition Software  
Jordan T Glicksman, MD, PhD

**2:48 pm**

A Prospective, Randomized, Single-Blinded Trial for Improving Health Outcomes in Rhinology by the Use of Personalized Video Recordings: Initial Findings  
Saurabh Sharma, MD

**2:55 pm**

Immersive Virtual Reality as a Teaching Tool for Neuroanatomy  
Katelyn Stepan, MD

**3:02 pm**

Discussion

**3:08 pm**

Business Meeting

**3:15 pm**

Break with Exhibitors  
*Grand Hall A-D*

Moderators:  
Philip Chen, MD  
Ashutosh Kacker, MD

**3:35 pm**

Endoscopic Sinus Surgery Improves Pulmonary Function in Cystic Fibrosis Patients with Bilateral Lung Transplants  
Christopher R Roxbury, MD

**3:42 pm**

Chronic Lymphoplasmacytic Rhinosinusitis: Description of a Unique Phenotype  
Andrea M Hebert, MD

**3:49 pm**

Sinus Hypoplasia in the CF Rat Resolves in the Absence of Chronic Infection  
Jessica Grayson, MD

**3:56 pm**

CFD Evidence of Posterior Septectomy as Viable Treatment Option for Large Septal Perforation  
Bradley A Otto, MD

**4:03 pm**

Discussion

Moderators:  
Subinoy Das, MD  
Jivianne Lee, MD

**4:09 pm**

Safety and Efficacy of Fluticasone-Eluting Sinus Implant in Rabbit Model  
Vishal Patel, MD

**4:16 pm**

Eustachian Tube Balloon Dilation for Immediate Relief of ET Dysfunction  
Vincent Honrubia, MD

**4:23 pm**

Safety and Tolerability of Surfactant Nasal Irrigation  
Justin H Turner, MD, PhD

**4:30 pm**

Cryosurgical Posterior Nasal Nerve Ablation for Improving Rhinitis Symptoms – Extended Follow-up  
Jacob Johnson, MD

**4:37 pm**

Discussion

**4:45 pm**

**Panel**  
Advances and Challenges in Managing Cystic Fibrosis  
Moderator:  
Erin O'Brien, MD  
Panelists:  
Eugene Chang, MD  
Sandra Lin, MD  
Bradford Woodworth, MD

**5:25 pm**

Closing Remarks and Adjourn

**5:30 pm**

Combined Poster Reception  
*Location: Grand Hall A-D, Grand Hall Foyer, and Seaport Foyer*

# THURSDAY, APRIL 27

ALA

LOCATION: SEAPORT DE (UNLESS OTHERWISE NOTED)

## Scientific Session IV: The Vocal Fold - Inside and Out

Moderators: Jennifer L Long, MD, PhD and Karen M Kost, MD

1:00 pm

Tissue Stem Cell and Stem Cell Niche of the Vocal Fold Mucosa: Identification Using Label-Retaining Cell Assay  
Kiminobu Sato, MD

1:07 pm

### Young Faculty/ Practitioner Award

A Three Dimensional Vocal Fold Structure for Laryngeal Reconstruction

Astha Malhotra, MD

Award Presentation:  
Kenneth W Altman, MD, PhD

1:14 pm

Microfibril-Associated Macromolecules and Biomechanical Properties of the Human Vocal Fold Mucosa  
Kiminori Sato, MD, PhD

1:21 pm

Hirano's Cover-Body Model and Its Unique Laryngeal Postures Revisited  
Andrew M Vahabzadeh-Hagh, MD

1:28 pm

Discussion

1:34 pm

Introduction to Daniel C Baker, MD Lecturer  
Kenneth W Altman, MD, PhD

1:35 pm

### Daniel C Baker MD Lecture

Will the Vocal Ligament Become an Appendix in Humans?

Ingo Titze, PhD

## Scientific Session V: Vocal Fold Paralysis II

Moderators:  
Randal C Paniello, MD, PhD  
Tanya K Meyer, MD, MS

2:04 pm

Impact of Medialization Laryngoplasty on Dynamic Nonmechanical Vocal Fold Properties

Gregory R Dion, MD

2:11 pm

Minimal Clinically Important Difference (MCID) of Voice Handicap Index-10 in Patients with Vocal Fold Paralysis

VyVy N Young, MD

2:18 pm

Time Course of Recovery of Idiopathic Vocal Fold Paralysis

Solomon Husain, BS

2:25 pm

### Casselberry Award

The Natural History of Recoverable Unilateral Vocal Fold Paralysis: 12 Months Is Too Long to Wait

Ted Mau, MD, PhD

Award Presentation:  
Randal C Paniello, MD, PhD

2:32 pm

Discussion

2:39 pm

### American Laryngological Association Award

Roger L Crumley, MD, MBA

Award Presentation:  
Gaelyn Garrett, MD, MMHC

2:42 pm

### Gabriel F. Tucker MD Award

Paolo Campisi, MSc, MD

Award Presentation:  
Kenneth W Altman, MD, PhD

2:45 pm

Break with Exhibitors  
*Grand Hall A-D*

## Scientific Session VI: Airway I

Moderators:  
Sid Khosla, MD  
Joel Blumin, MD

3:15 pm

Spontaneous Ventilation Under Total Intravenous Anesthesia without an Endotracheal Tube for Adults Undergoing Suspension Microdirect Laryngoscopy  
Mi Jin Yoo, MD

3:22 pm

Expiratory Function by Aspiration Status in Post-Radiation Head and Neck Cancer Survivors  
Katherine A Hutcheson, PhD, CCC-SLP

3:29 pm

Investigating the Effects of Laryngeal Stenosis on Upper Airway Aerodynamics  
Tracy Cheng, AB

3:36 pm

The Use of Computational Fluid Dynamics to Predict Ideal Inhaled Particle Size for Laryngeal Deposition in the Setting of Vocal Fold Granulomas  
Elizabeth Perkins, MD

3:43 pm

The PD-1 and PD-L1 Pathway in Recurrent Respiratory Papillomatosis  
Simon R A Best, MD

3:50 pm

Discussion

4:00 pm

Announcements (Poster Presentations Awards, 2017 Research Grant Awards)

4:10 pm

### Panel Discussion

The HPV Epidemic: What Our Patients Want to Know About the Virus

Moderator:  
James Burns, MD

Panelists:  
Simon R A Best, MD  
Ryan C Branski, PhD  
Frederik G Dikkers, MD, PhD  
Glendon Gardner, MD  
Karen Zur, MD

5:00 pm

Adjournment

5:05 pm

### Neurolaryngology Study Group

The Potential Role of Technology, Laryngology, and Gastroenterology in Improving Parkinson's Disease Clinical Care  
Speaker: Todd P Coleman, PhD

5:30 pm

Combined Poster Reception  
*Location: Grand Hall A-D, Grand Hall Foyer, and Seaport Foyer*

THURSDAY, APRIL 27

# FRIDAY, APRIL 28

## AAFPRS

LOCATION: SEAPORT ABC (UNLESS OTHERWISE NOTED)

**7:55 am**

Opening Remarks  
Lisa Grunebaum, MD  
J Randall Jordan, MD

**8:00 am**

Current Trends in CMF Trauma  
Robert Kellman, MD

**8:42 am**

Change in Columellar-Philtral Angle over Time After Rhinoplasty: An Original Report and Guide for the Beginning Rhinoplasty Surgeon  
Tara E Brennan, MD

**8:52 am**

The Impact of an Alar Base Reduction on the Nasal Airway  
Sai Sumana Gupta, MD

**9:02 am**

Severe Thyroid-Associated Orbitopathy Leads to Attentional Distraction: A 3-D Eye-Tracking Study  
David Liao, BA

**9:10 am**

**Lecture**  
Practice Management/Marketing for Cosmetic Surgeons  
Jonathan Kaplan, MD

**9:55 am**

Break with Exhibitors  
*Grand Hall A-D*

**10:25 am**

**Lecture**  
Facial Reanimation  
Babak Azizzadeh, MD

**11:07 am**

Quality Improvement Project For Appropriate Facial Fracture Imaging Selection  
Neha Kumar, MD

**11:17 am**

Measuring Facial Paralysis Severity – Do Our Tools Match Social Perceptions?  
Jason C Nellis, MD

**11:27 am**

Turn-in Modification of Bilobed Flap for Single Stage Reconstruction of a Full Thickness Nasal Defect  
Denzel A Cole, MD

**11:37 am**

Equivalent Outcomes of Nasal Tip Reconstruction: A Retrospective Comparison of Double Half Bilobe Flap to Traditional Bilobe  
Brandon Jackson Baird, MD

**11:45 am**

AAFPRS Membership  
Fred Fedok, MD

**12:00 pm**

Lunch with Exhibitors  
*Grand Hall A-D*

**1:00 pm**

**Lecture**  
Multidimensional Facial Rejuvenation  
Fred Fedok, MD

**1:45 pm**

**Lecture**  
Facelift Pearls: A Woman's View  
Jill Hessler, MD  
Sarmela Sunder, MD

**2:30 pm**

Long-Term Review of the Lateral Crural Steal: Its Effect on Nasal Tip Projection and Rotation in Rhinoplasty  
Christian P Conderman, MD

**2:38 pm**

Biochemical Compositional Analysis of Cadaveric Rib Cartilage  
Jeffrey Teixeira, MD

**2:46 pm**

Quantification of Rhinoplasty Instrument Sharpness Using Optical Coherence Tomography  
Jeffrey T Gu, MD

**3:00 pm**

Break with Exhibitors  
*Grand Hall A-D*

**3:30 pm**

**Panel**  
Quick Tips for Achieving the Best Outcomes in Minimally Invasive Cosmetics  
Lisa Grunebaum, MD  
Sarmela Sunder, MD  
Jill Hessler, MD  
Sabrina Fabi, MD

**4:15 pm**

Comparison of Spreader Graft Outcomes and Operative Times Based on Open Versus Endonasal Approach  
Jason Talmadge, MD

**4:23 pm**

Opening the Black Box of Nasal Osteotomies: Navigation-Assisted Rhinoplasty  
Elizabeth H Wick, MD

**4:31 pm**

Nasal Lateral Wall Insufficiency Repair in Practice: A Case-Control Study  
Reza Vaezeafshar, MD

**4:39 pm**

Willingness to Pay for Increased Attractiveness through Rhinoplasty  
David Chen, MD

**4:53 pm**

**Panel**  
Nasal Valve Dysfunction Panel  
*Co-Sponsored with ARS*  
Moderator:  
Lisa Grunebaum, MD  
Sam P Most, MD  
Richard Harvey, MD, PhD  
Leigh Sowerby, MD, MHM, FRCS  
Travis T Tollefson MD, MPH, FACS

**5:30 pm**

Adjourn

**5:30 pm**

Reception  
*Sponsored by Spirox*

**5:30 pm**

Combined Poster Reception  
*Grand Hall A-D and Grand Hall Foyer*

# FRIDAY, APRIL 28

## TRIO

LOCATION: (UNLESS OTHERWISE NOTED)

CONCURRENT 1: SEAPORT FGH / CONCURRENT 2: SEAPORT DE

**7:00 am**

Business Meeting

*(TRIO Fellows only)*

New Fellow Ceremony and Reception

**8:05 am**

Welcome by President

Charles W Beatty, MD FACS

**8:10 am**

Presidential Citations

Kerry D Olsen, MD, FACS

John T McElveen Jr, MD

Juan Manuel Garcia, MD

**8:20 am**

Introduction of Guest of Honor and Remarks

H Bryan Neel III, MD, PhD, FACS

**8:25 am**

**Presidential Address:**  
**Just Say "Yes"!**

Charles W Beatty, MD FACS

**8:40 am**

Introduction of 2017 Thesis Award Presenters

Dana M Thompson, MD, FACS

**8:41 am**

**Harris P Mosher Thesis Award Presentation**

Evaluation of the Natural History of Patients Who Aspirate

Jonathan M Bock, MD

**8:48 am**

**Fowler Thesis Award Presentation**

An Animal Model of Deep Brain Stimulation (DBS) for Treating Tinnitus-A Proof of Concept Study

Syed F Ahsan, MD, FACS

**8:55 am**

**Ogura Lecture**

Lessons Learned While Following the Metamorphosis of Oropharyngeal Cancer

Eric J Moore, MD, FACS

**9:20 am**

Break with Exhibitors

*Grand Hall A-D*

## CONCURRENT 1

### Head & Neck/ Laryngology

**9:45 am**

**Panel**

Updates in Head and Neck Cancer Management

Moderator:

Carol R Bradford, MD, FACS

Panelists:

Ravindra Uppaluri, MD, FACS

Dennis H Kraus, MD, FACS

J Scott Magnuson, MD

Moderators:

Albert L Merati, MD, FACS

Brett A Miles, MD, DDS, FACS

**10:25 am**

Thyroid Cancer Clinical Trials in the United States:

Are We Maximizing Impact?

Alan Hsieh, BSc

**10:32 am**

Morbidity and Mortality of Oncologic Resections in Octogenarian and Older Head and Neck Cancer Patients

Heidi E L'Esperance, MD

**10:39 am**

EGFR Detection in Saliva as an Easy Diagnostic and Prognostic Tool in Oral Squamous Cell Cancer

Cesare Piazza, MD

**10:46 am**

Clinical Characteristics and Outcomes for Salivary Gland Malignancies in Children: An Update from the SEER Database

Shannon N Radomski, BA

**10:53 am**

Health Disparities Among Adults With Voice Problems in the United States

Kevin Hur, MD

**11:00 am**

Repairing the Vibratory Vocal Fold

Jennifer L Long, MD, PhD

**11:07 am**

Early Injection Laryngoplasty for Unilateral Vocal Fold Paralysis Decreases the Risk of Thyroplasty: A Systematic Review and Meta-Analysis

Peter M Vila, MD, MSPH

**11:14 am**

Q&A

**11:20 am**

**Panel**

Dysphonia in Patients Without Lesions or Motion Abnormalities

Moderator:

Clark A Rosen, MD, FACS

Mark S Courey, MD

Norman D Hogikyan, MD, FACS

Michael M Johns III, MD

**12:05 pm**

Adjournment

**5:30 pm**

Combined Poster Reception  
*Grand Hall A-D and Grand Hall Foyer*

## CONCURRENT 2

### Otology/Neurotology and Pediatric Otolaryngology

Moderators:

Karen J Enright, MD, PhD

Howard W Francis, MD

**9:45 am**

Classification of Endoscopic Ear Surgery

Razan A Basonbul, MBBS, MPH

**9:52 am**

Eustachian Tube Reconstruction for the Treatment of Patulous Eustachian Tube

Madeline A Coulter, BA

**9:59 am**

The Impact of Obesity in Vestibular Schwannoma Surgery: A Parallel Analysis of the NIS and NSQIP Databases

Jacob S Brady, BA

**10:06 am**

A Systematic Review of Temporal Bone Trauma Causing Facial Nerve Injury: A Suggestion for Minimum Reporting Guidelines

Prasanth Pattisapu, MD MPH

**10:13 am**

Otologic Biomarkers: Early Detection of Hearing Loss in a Cisplatin Ototoxicity Model

James G Naples, MD

**10:18 am**

Q&A

# FRIDAY, APRIL 28

## TRIO CONTINUED

LOCATION: (UNLESS OTHERWISE NOTED)  
CONCURRENT 1: SEAPORT FGH / CONCURRENT 2: SEAPORT DE

10:25 am

**Panel**

Evaluation and Management of a Child with Sensorineural Hearing Loss – What’s New?

Moderator: Bradley W Kesser, MD

Panelists:

John H Greinwald Jr, MD  
Margaret A Kenna, MD, FACS  
Robert C O’Reilly, MD, FACS  
Harold C Pillsbury, MD, FACS

**Otology/Neurotology and Pediatric Otolaryngology**

Moderators:

Daniel I Choo, MD FACS  
Kristina W Rosbe, MD FACS

11:05 am

Management Considerations for Octo- and Nonagenarian Cochlear Implant Recipients  
Harold C Pillsbury, MD

11:12 am

Trends in Socioeconomic, Race, and Insurance Disparities of Pediatric Cochlear Implantation over a 15 Year Period

Alex J F Tampio, MD

11:19 am

Predictive Factors for Short and Long Term Functional Hearing Preservation in Cochlear Implantation

George B Wanna, MD

11:26 am

Linguistic and Behavioral Outcomes of Bilingual Children with Hearing Loss

Neelaysh Vukkadala, BS

11:33 am

Blood Transfusion in Children with Sickle Cell Disease Undergoing Tonsillectomy

Carlyn M Atwood, MD

11:40 am

Diagnosis and Treatment of Paradoxical Vocal Fold Motion in Infants

Ashley P O’Connell Ferster, MD

11:47 am

National Admission Patterns and Complication Rates for Thyroglossal Duct Cyst Surgery

Sharon H Gnagi, MD

11:54 am

Changes in Management Trends for Lymphatic Malformations in the United States from 1997-2013

Carlyn M Atwood, MD

12:01 pm

Q&A

12:05 pm

Adjournment

5:30 pm

Combined Poster Reception  
*Grand Hall A-D and Grand Hall Foyer*

FRIDAY, APRIL 28

## ALA

LOCATION: CORONADO AB (UNLESS OTHERWISE NOTED)

**Scientific Session VII: Scar and Epithelium**

Moderators:

Stacey Halum, MD  
Seth Dailey, MD

1:02 pm

Temporalis Fascia Transplantation for Sulcus Vocalis and Vocal Fold Scar: Long Term Outcomes

William E Karle, MD

1:09 pm

Histological and Functional Outcomes of Small Intestinal Submucosa and Microflap Elevation for the Treatment of Chronic Vocal Fold Scar

Michael J Pitman, MD

1:16 pm

Recovery Process of Tight Junction-based Functional Barriers in Injured Vocal Fold Epithelium

Ryo Suzuki, MD, PhD

1:23 pm

EGFR-Pathway Protein Levels in Tumor Cells and Their Effect on Treatment Response

Yuval Nachalon, MD

1:30 pm

Discussion

**Scientific Session VIII: Airway II**

Moderators:

Frederik G Dikkers, MD, PhD  
Michael M Johns III, MD

1:36 pm

Hormone Receptor Analysis in Idiopathic Progressive Subglottic Stenosis (IPSS) Patients

Ivana Fiz, MD

1:43 pm

Determining Candidate Single Nucleotide Polymorphisms in Acquired Laryngotracheal Stenosis

Mursalin M Anis, MD, PhD

1:50 pm

Functional Results After Partial Cricotracheal Resection Anastomosis (PCTRA) in Idiopathic Progressive Subglottic Stenosis (IPSS)

Cesare Piazza, MD

1:57 pm

Awake Serial Intra-Lesional Steroid Injections Without Surgery as a Novel Targeted Treatment for Idiopathic Subglottic Stenosis

Ramon A Franco Jr., MD

2:04 pm

Discussion



# FRIDAY, APRIL 28

**ALA** CONTINUED

LOCATION: CORONADO AB (UNLESS OTHERWISE NOTED)

## Scientific Session IX: Cancer

Moderators:  
Elizabeth Sjorgren, MD, PhD  
Ted Mau, MD, PhD

### 2:09 pm

Multi-modality Analysis of Long Term Voice Outcome following Radiation Versus Trans-oral Laser Microsurgery for Early Glottic Carcinoma  
Yue Ma, MD

### 2:16 pm

Local Inflammatory Reaction to Benign, Premalignant and Malignant Laryngeal Lesions  
Hagit Shoffel-Havakuk, MD

### 2:23 pm

**Resident Research Award**  
Epidemiological Trends for Non-smokers and Young Adults with Laryngeal Squamous Cell Carcinoma  
Ian-James Malm, MD  
Award Presentation:  
Kenneth W Altman, MD, PhD

### 2:31 pm

Impact of Laryngeal Exposure on Margin Status in Patients Treated by Transoral Laser Microsurgery for Glottic Tis-T2  
Alberto Paderno, MD

### 2:38 pm

Discussion

### 2:44 pm

Introduction of 2018 President

### 2:45 pm

Adjournment

**ABEA**

LOCATION: CORONADO AB (UNLESS OTHERWISE NOTED)

### 3:20 pm

#### Presidential Panel

*Supported by the Voice Health Institute Endowment*

Global Impact of Disruptive Innovations in Bronchoesophagology and Laryngology – The Story of the Innovator and the Innovation

Moderator: Michael Hinni, MD

Panelists:

Robin Cotton, MD  
Bruce Haughey, MD  
Jamie Koufman, MD  
Steve Zeitels, MD

### 4:10 pm

#### Session 7: President's Picks for Innovation/Disruption/Diversity

Moderator: Andrew Blitzer, MD

### 4:15 pm

Targeting Metabolic Abnormalities to Reverse Fibrosis in Iatrogenic Laryngotracheal Stenosis  
Michael K Murphy, MD

### 4:19 pm

Attributes for Identifying Patients with Spasmodic Dysphonia and Other Voice Disorders  
Joel Blumin, MD

### 4:23 pm

Adductor Function After Canine Recurrent Laryngeal Nerve Injury and Repair  
Randal C Paniello, MD

### 4:30 pm

#### Panel: Have We Really Advanced the Field in the Past 20 years? A Critical Look

Moderator: Albert Merati, MD

Panelists:

Michael Johns, MD  
Blake Simpson, MD  
David Francis, MD  
Lucian Sulica, MD

### 5:15 pm

Adjournment

FRIDAY, APRIL 28



# FRIDAY, APRIL 28

## ANS

LOCATION: SEAPORT DE (UNLESS OTHERWISE NOTED)

**1:00 pm**

Business Meeting  
New Member Induction

**1:30 pm**

Welcome & Opening  
Remarks by the President  
Lawrence R Lustig, MD

**1:35 pm**

Presidential Citations

Recipients:

Steven W Cheung, MD  
Paul A Fuchs, PhD  
Robert K Jackler, MD  
Anil K Lalwani, MD  
Lloyd B Minor, MD

**1:45 pm**

**William F House  
Memorial Lecture**

The Struggles of Medical  
Innovation: Honoring the  
Legacy of Dr. House

Professor Gerard M  
O'Donoghue, FRCS

### Section I: Cochlear Implants

**2:15 pm**

Introduction

**2:18 pm**

Abnormal Cochleovestibular  
Nerves and Pediatric Hearing  
Outcomes: "Absent Cochlear  
Nerves" Can Derive Benefit  
from Cochlear Implantation  
Elina Kari, MD

**2:26 pm**

An In-vitro Insertion-force  
Study of Magnetically Guided  
Lateral-wall, Cochlear-  
implant Electrodes  
Lisandro Leon, MS

**2:34 pm**

**Neurotology Fellow Award**

Real-time Intracochlear  
Electrocochleography  
Obtained Directly through a  
Cochlear Implant

Michael S Harris, MD

**2:45 pm**

Break with Exhibitors

*Grand Hall A-D*

**3:15 pm**

Assessing Cochlear Implant  
Outcomes in Older Adults  
Using HERMES, a National  
Web-Based Database

Stephanie Y Chen, BM

**3:23 pm**

Early Outcomes with a Slim,  
Modular Cochlear Implant  
Electrode Array

Jonathan L McJunkin, MD

**3:31 pm**

Intracochlear Measurements  
and Histologic Findings  
Relevant to Cochlear  
Implantation in Malformed  
Cochleae: A Human  
Temporal Bone Study

Reuven Ishai, MD

**3:39 pm**

Prospective Evaluation  
of Patients Undergoing  
Concurrent Translabyrinthine  
Excision of Vestibular  
Schwannoma with  
Concurrent Cochlear  
Implantation

Kevin D Brown, MD, PhD

**3:47 pm**

**ANS Trainee Award**

Selective Stimulation of Facial  
Muscles following Chronic  
Intraneural Electrode Array  
Implantation and Facial Nerve  
Injury in the Feline Model

Yarah M Haidar, MD

**3:55 pm**

Introduction –  
ANS Research Grant

**3:57 pm**

**ANS Research Grant**

Cochlear Irradiation:  
Apoptosis, Necrosis, and  
Hearing Loss

Christine Dinh, MD

**4:05 pm**

Discussion

**4:10 pm**

**Panel**

Telemedicine in Neurotology

Jonathan E Gordon, MBA  
David Massaro, MD  
John Kokesh, MD

**5:00 pm**

Adjournment

Lawrence R Lustig, MD

**5:00 pm**

Announcement of ANS &  
AOS Poster Awards

Craig Buchman – ANS Education  
Director  
Carol Bauer – AOS Education  
Director

**5:30 pm**

Combined Poster Reception  
*Grand Hall A-D and Grand Hall Foyer*

**7:00 pm**

ANS 52nd Annual President's  
Reception

*(Members and Invited Guests Only)*

FRIDAY, APRIL 28



# FRIDAY, APRIL 28

ARS

LOCATION: SEAPORT FGH (UNLESS OTHERWISE NOTED)

**12:00 pm**

Lunch with Exhibitors  
*Grand Hall A-D*

**12:55 pm**

Welcome  
John DeGaudio, MD

**1:00 pm**

**Panel**

New Insights into the Impact of Chronic Rhinosinusitis  
Moderator: Zachary Solar, MD  
Panelists: Stacey Gray, MD  
Melissa Pynnonen, MD, MSc  
and Jeffrey Suh, MD

Moderators:

Jeremiah Alt, MD, PhD  
Adam DeConde, MD

**1:40 pm**

Distinct Histopathologic Features of Radiation-Induced Chronic Sinusitis  
Hannah N Kuhar, BA

**1:47 pm**

Chronic Sinonasal Tract Inflammation as a Precursor to Nasopharyngeal Carcinoma and Sinonasal Malignancy in the United States  
Eric L Wu, MS

**1:54 pm**

Gender-Specific Differences in Serum IgE Levels and Prevalence of Fungus in Sinonasal Tissue Noted in Chronic Rhinosinusitis Patients Undergoing Endoscopic Sinus Surgery  
Antoine Azar, BS

**2:01 pm**

Prevalence of Positive Allergen Reaction in Allergic Rhinitis and Non-Allergic Rhinitis  
Aneeza Hamizan, MD

**2:08 pm**

Discussion

Moderators

Stacey Gray, MD  
Marc Dubin, MD

**2:14 pm**

Validated Outcome Measures Demonstrate Substantial Pain Improvement Following Endoscopic Sinus Surgery in Patients with Chronic Rhinosinusitis  
Daniel R Cox, MD

**2:21 pm**

Beyond the Lund-Mackay Score: What Radiographic Disease Burden Tells Us About Patient-Reported Outcomes in Chronic Rhinosinusitis  
Naweed I Chowdhury, MD

**2:28 pm**

The Relationship Between Chronic Rhinosinusitis and Socioeconomic Status, Race, and Insurance Status  
Madeleine Samuelson, MD

**2:35 pm**

Diagnostic Grouping of Rhinologic Patients by Cluster Analysis  
Charles A Riley, MD

**2:42 pm**

Discussion

**2:48 pm**

**Panel**

Progress Report: Women in Rhinology  
Moderator:  
Ayesha Khalid, MD, MBA  
Panelists:  
Robert Kern, MD  
Erin O'Brien, MD  
Winston Vaughan, MD

**3:25 pm**

Break with Exhibitors  
*Grand Hall A-D*

Moderators:

Nithin Adappa, MD  
Marilene Wang, MD

**3:45 pm**

Molecular Targeted Therapy of Juvenile Nasopharyngeal Angiofibroma: Inhibition of Vascular Endothelial Growth Factor Using Semaxanib  
Tran B Le, MD

**3:52 pm**

Adoption of a Standardized Perioperative Antimicrobial Protocol May Impact the Incidence of Post-Operative Meningitis in Skull Base Surgery: Review of Perioperative Antimicrobial Protocols and Potential Risk Factors in the Development of Meningitis  
Chester F Griffiths, MD

**3:59 pm**

Inhibition of Fibroblast Growth Factor Receptor with Azd-4547 Mitigates Juvenile Nasopharyngeal Angiofibroma  
Tran B Le, MD

**4:06 pm**

The Bilateral Nasoseptal Rescue Flap: An Analysis of 100 Consecutive Patients and Implications for Routine Transphenoidal Surgery  
Brian C Lobo, MD

**4:13 pm**

Discussion

Moderators:

Troy Woodard, MD  
Melissa Pynnonen, MD

**4:19 pm**

Evaluating Real-Time Effects of Topical 1:1000 Epinephrine in Endoscopic Sinus and Skull Base Surgery on Hemodynamic Parameters Through Intra-Operative Arterial Line Monitoring  
Michael T Yim, MD

**4:26 pm**

Effects of Ophthalmologic Solutions on Sinonasal Ciliated Epithelium for Use in Nasal Drug Delivery  
Alan D Workman, BA

**4:33 pm**

Endoscopic Sinus Surgery in Children: Analysis of Pediatric National Surgical Quality Improvement Program Safety Outcomes  
Christopher R Roxbury, MD

**4:40 pm**

An Evidence Based Approach to Reducing Prescriptions for Narcotic Pain Medication After Sinus and Nasal Surgery  
Sophia D Becker

**4:47 pm**

Discussion

**4:53 pm**

**Panel**

Optimal Treatment of the Nasal Valve (ARS & AAFPRS)  
Panelists:  
Richard Harvey, MD  
Sam Most, MD  
Leigh Sowerby, MD

**5:30 pm**

Closing Remarks and Adjourn  
John DeGaudio, MD

FRIDAY, APRIL 28

# SATURDAY, APRIL 29

**ANS**

LOCATION: SEAPORT DE (UNLESS OTHERWISE NOTED)

**7:00 am**

Business Meeting/  
Committee Reports

**7:30 am**

Welcome & Opening  
Remarks by the President  
Lawrence R Lustig, MD

## Section II: Translational Science and General Neurotology

**7:32 am**

Introduction

**7:35 am**

MitoQ as Novel Agent for  
Protecting against Amikacin  
Ototoxicity  
Carolyn O Dirain, PhD

**7:43 am**

The Small Molecule Oral  
Drug Candidate SENS-341  
Effectively Reduces Cisplatin-  
induced Hearing Loss in Rats  
Mathieu Petremann, MS

**7:51 am**

Age-related Increase in Serum  
Levels of Otolin-1 in Humans  
Ryan D Tabtabai, BS

**7:59 am**

Connexin 26  
Immunofluorescence in  
Temporal Bones with  
Cochlear Otosclerosis  
Mia E Miller, MD

**8:07 am**

Patulous Eustachian  
Tube Dysfunction: Patient  
Demographics and  
Comorbidities  
Bryan K Ward, MD

**8:15 am**

Discussion

**8:19 am**

**ANS/AAO/Herbert  
Silverstein Award**

Gap Junctions in the  
Cochlear Response to  
Sound and Noise in Vitro  
Dylan Chan, MD, PhD

## Section III: Vestibular Disorders

**8:30 am**

Introduction

**8:33 am**

Radiographic Signs of  
Intracranial Hypertension  
in Patients with Meniere's  
Disease May Predict Poor  
Audiovestibular Outcomes  
Shawn M Stevens, MD

**8:41 am**

Large Vestibular Aqueduct:  
Radiological Review of High-  
Resolution CT versus High-  
Resolution Volumetric MRI  
Nicholas L Deep, MD

**8:49 am**

**Nicholas Torok  
Vestibular Award**

Investigating Vestibular Blast  
Injury: Semicircular Canal  
Pressure Changes during  
High-Intensity Acoustic  
Stimulation  
Anne K Maxwell, MD

**8:57 am**

Long-Term Outcomes for  
Surgical Treatment of Superior  
Canal Dehiscence Syndrome  
Mohammed Alkhafaji, BS

**9:05 am**

Discussion

**9:10 am**

**William E. Hitselberger  
Memorial Lecture**

Beating the Drum: An  
Australian Story of Innovation  
Marcus Atlas, MBBS, FRACS

**9:45 am**

Break with Exhibitors  
*Grand Hall A-D*

## Section IV: Skull Base Surgery

**10:15 am**

Introduction

**10:17 am**

Systematic Review of Hearing  
Outcomes after Radiotherapy  
for Vestibular Schwannoma  
Adam R Coughlin, MD

**10:25 am**

Impact of Surgical Volume  
on Vestibular Schwannoma  
Surgical Outcomes  
Michael J Bauschard, MD, MS

**10:33 am**

Is Routine Chemical  
Prophylaxis Needed for  
Prevention of Deep Vein  
Thrombosis in Acoustic  
Neuroma Surgery?  
Geoffrey C Casazza, MD

**10:41 am**

Audiologic Natural  
History of Small Volume  
Cochleovestibular  
Schwannomas in  
Neurofibromatosis Type 2  
Alvin T deTorres, MD

**10:49 am**

Unlike in Vestibular  
Schwannoma, Cochlear  
Dysfunction is not Common  
in Meningioma of the  
Cerebellopontine Angle  
Lukas D Landegger, MD

**10:57 am**

Surgical Management of  
Tumors Involving Meckel's  
Cave and Cavernous  
Sinus: Role of a Lateral  
Sphenoidectomy Approach  
Daniel Q Sun, MD

**11:05 am**

Discussion

**11:10 am**

**Panel**

Complications in Neurotology  
Moderator: Robert K Jackler, MD  
Panelists:  
Derald E Brackmann, MD  
Erika A Woodson, MD  
Christine Dinh, MD  
Jacques A Herzog, MD

**12:00 pm**

Adjournment  
Lawrence R Lustig, MD

# SATURDAY, APRIL 29

TRIO

LOCATION: SEAPORT FGH (UNLESS OTHERWISE NOTED)

**7:00 am**

Business Meeting  
*(TRIO Follows only)*

**7:55 am**

Welcome by President  
Charles W Beatty, MD FACS

## Facial Plastic/ Reconstructive Surgery and Sleep Medicine

**8:00 am**

Panel

The Aging Face – What's  
Real and What's Hype?

Moderator: Lisa E Ishii, MD, MHS

Panelists:

J Madison Clarke, MD, FACS  
Stephen S Park, MD  
Travis T Tollefson, MD, MPH, FACS

Moderators:

David B Hom, MD, FACS  
Erica R Thaler, MD, FACS

**8:35 am**

Tobacco Exposure and  
Biomarkers of Wound  
Healing in Head and Neck  
Surgical Wounds

Amy Anne D Lassig, MD

**8:42 am**

Facial Fractures in Helmeted  
and Non-Helmeted Bicycle  
Trauma

Tania Benjamin, BS

**8:49 am**

Is There a Good Side? The  
Role of Laterality in Facial  
Paralysis Severity Perceptions

Jason C Nellis, MD

**8:56 am**

Workplace Facial Trauma  
2004-2014- Progress Made,  
Progress Pending

Joshua E Romero, MD

**9:03 am**

Comparison of Manual  
Reduction, Arch Bars, and  
Other Maxillomandibular  
Fixation Techniques for  
Mandibular Angle Fractures

Ronald J Schroeder, MD

**9:10 am**

Q&A

**9:15 am**

Voice and Swallowing  
Outcomes Following  
Hypoglossal Nerve Stimulation  
for Obstructive Sleep Apnea

Andrew J Bowen, BS

**9:22 am**

Correlation of Friedman  
Tongue Position and Cone  
Beam Computed Tomography  
(CBCT) Results in Patients  
with Obstructive Sleep Apnea

Rebecca S Harvey, MD

**9:29 am**

The Association of Palatine  
Tonsil Size and Obstructive  
Sleep Apnea in Adults

Sebastian M Jara, MD

**9:36 am**

Effect of Prior Airway Surgery  
on Outcomes Following  
Implantation of Hypoglossal  
Nerve Stimulator for  
Obstructive Sleep Apnea

Ahmad F Mahmoud, MD

**9:48 am**

Break with Exhibitors  
*Grand Hall A-D*

## Allergy/Rhinology

**10:20 am**

Panel

Sinusitis Management of  
Atypical Rhinosinusitis

Moderator:

Peter H Hwang, MD, FACS  
Alexander G Chiu, MD  
Ralph B Metson, MD, FACS  
Richard R Orlandi, MD, FACS  
Brent A Senior, MD, FACS

Moderators:

Melissa A Pynnonen, MD, Msc  
Timothy L Smith, MD, MPH, FACS

**11:05 am**

Baseline Sleep Dysfunction  
Increases Likelihood of  
Escalation to Endoscopic  
Sinus Surgery After  
Continued Medical Therapy  
for Chronic Rhinosinusitis

Adam S DeConde, MD

**11:12 am**

Facilitating Early Diagnosis  
in Invasive Fungal Sinusitis:  
A Retrospective Study of  
Predictive Factors

Elizabeth M Nichols, BS

**11:19 am**

Revision Rates Following  
Endoscopic Sinus Surgery

Aria Jafari, MD

**11:25 am**

Anatomic Comparison  
of the Main Nasal Cavity  
and Paranasal Sinuses  
before and after Maximal  
Medical Therapy for Chronic  
Rhinosinusitis

Satyan B Sreenath, MD

**11:32 am**

What Drives Productivity  
Costs in Chronic  
Rhinosinusitis: A SNOT-22  
Subdomain Analysis

Naweed I Chowdhury, MD

**11:39 am**

Serum Periostin as a  
Biomarker for Chronic  
Rhinosinusitis

Alice Z Maxfield, MD

**11:46 am**

Fungal Protease and  
Generated Cleavage  
Products as an Inducer  
of IL-33 Expression in  
Chronic Rhinosinusitis  
with Nasal Polyps

Amber U Luong, MD, PhD

**11:53 am**

Q&A

**12:00 pm**

Lunch with Exhibitors  
*Grand Hall A-D*

## Clinical Fundamentals and General Otolaryngology

**1:00 pm**

Panel

Optimizing Outcomes after  
Tonsillectomy

Moderator:

Scott C Manning, MD, FACS  
Panelists:  
Emily F Boss, MD  
Kenny H Chan, MD FACS  
Charles M Myer III, MD FACS  
Julie L Wei, MD

# SATURDAY, APRIL 29

**TRIO** CONTINUED

LOCATION: SEAPORT FGH (UNLESS OTHERWISE NOTED)

**Moderators:**

C Ron Cannon, MD, FACS  
Richard W Waguespack, MD, FACS

**1:50 pm**

Interdisciplinary Assessment of Tracheostomy Care Knowledge: A Quality Improvement Project  
Swathi Appachi, MD

**1:57 pm**

Prevalence of Work Related Musculoskeletal Symptoms Among Otolaryngologists by Subspecialty: A National Survey  
Thuy-Van T Ho, MD

**2:04 pm**

Expeditious Emergency Center Referral Pathway Improves Patient Access to Otolaryngology Care  
Jeffrey D Johnson, MD

**2:11 pm**

Frailty, Hospital Volume, and Failure to Rescue After Head and Neck Cancer Surgery  
Carrie L Nieman, MD, MPH

**2:18 pm**

Disparate Medicaid Payments: A National Study of Otolaryngologist Reimbursement  
Joseph H Conduff, BS

**2:25 pm**

Patient Cost Savings Associated with an Outpatient Otolaryngology Telemedicine Clinic  
Ramez H W Philips, BS

**2:32 pm**

Development of a Synchronous Otolaryngology Telemedicine Clinic: A Prospective Study to Assess Fidelity and Viability  
Nolan B Seim, MD

**2:39 pm**

Q&A

**2:45 pm**

Break with Exhibitors  
*Grand Hall A-D*

**Clinical Fundamentals and General Otolaryngology**

**3:15 pm**

**Panel**

Teaching Millennials: What Works and What Does Not

**Moderator:**  
Stacey T Gray, MD, FACS

**Panelists:**  
Kevin Fung, MD, FRCS, FACS  
Judith E C Lieu, MD, MSPH  
Anna H Messner, MD  
Mark K Wax, MD, FACS

**Moderators:**

Robert A Buckmire, MD  
Ellen S Deutsch, MD

**4:05 pm**

Variation in Training: Evaluating Differences in Otolaryngology Residents Surgical Case Experience  
Muhammad Abbas Abid, MD

**4:12 pm**

Impact of a Federal Healthcare Consortium on Otolaryngology Residency Training  
Alexander E Lanigan, MD

**4:19 pm**

Craniomaxillofacial Trauma Experience in Otolaryngology Residency: A National Survey of Residency Program Directors  
Melissa S Oh, BA

**4:26 pm**

Simulation as a Tool for Increasing Medical Student Interest in and Understanding of Otolaryngology  
Lara K Reichert, MD, MPH

**4:33 pm**

Social Media Presence of Otolaryngology Journals: The Past, Present, and Future  
Kevin Wong, BA

**4:40 pm**

Otolaryngology Resident Education and the Core Competencies: A Systematic Review  
Erynne A Faucett, MD

**4:47 pm**

Proliferation and Contributions of National Database Studies  
Rahul S Subbarayan, MD

**4:54 pm**

Q&A

**4:59 pm**

Introduction of President-Elect  
Mark Persky, MD FACS

**5:00 pm**

Adjournment

SATURDAY, APRIL 29



# SATURDAY, APRIL 29

**AOS**

LOCATION: SEAPORT DE (UNLESS OTHERWISE NOTED)

**1:00 pm**

Business Meeting  
New Member Introduction

**1:20 pm**

Welcome & Opening  
Remarks by the President  
Samuel H Selesnick, MD

**1:38 pm**

Presidential Citations

Recipients:  
Philip H Gutin, MD  
Robert K Jackler, MD  
Simon C Parisier, MD  
Myles L Pensak, MD  
Michael G Stewart, MD, MPH  
D Bradley Welling, MD, PhD

**1:38 pm**

Presidential Address  
Samuel H Selesnick, MD

**1:53 pm**

**Guest of Honor Lecture**  
Otosclerosis Treatment –  
A Journey through the Last  
Century and a Half  
John W House, MD

**2:23 pm**

Mesenchymal Stem Cell  
Therapy for Chronic Tympanic  
Membrane Perforations  
Ariel B Grobman, MD

**2:31 pm**

Atomic Force Microscopy  
for Quality Control of  
Intraoperative Otologic  
Autografts with 3D  
Subtractive CAD/CAM  
Glenn W Knox, MD

**2:39 pm**

Discussion

**2:45 pm**

Break with Exhibitors  
*Grand Hall A-D*

**3:15 pm**

Immunohistochemical  
Identification of Human  
Spiral Ganglia Neurons:  
Implication in Aging and  
Cochlear Implantation  
Janice E Chang, MD, PhD

**3:23 pm**

Foreign Body Response to  
Silicone in Cochlear Implant  
Electrodes in the Human  
Jennifer T O'Malley

**3:31 pm**

Medicaid Reimbursement for  
Cochlear Implantation:  
Is it Fair?  
Daniel H Coelho, MD

**3:39 pm**

Cochlear Implant Insertion  
Axis into the Basal Turn: A  
Critical Factor for Electrode  
Array Translocation  
Yann Nguyen, MD, PhD

**3:47 pm**

Novel Approaches in  
the Development of an  
Optogenetically-Driven  
Cochlear Implant  
Maria J Duarte, BS, BA

**3:55 pm**

Discussion

**4:00 pm**

**Panel**  
Evolution of the American  
Otolological Society:  
Reflections at our  
Sesquicentennial  
Moderator: Robert K Jackler, MD  
Panelists:  
Lawrence R Lustig, MD  
D Bradley Welling, MD, PhD  
Richard A Chole, MD, PhD  
Bruce J Gantz, MD

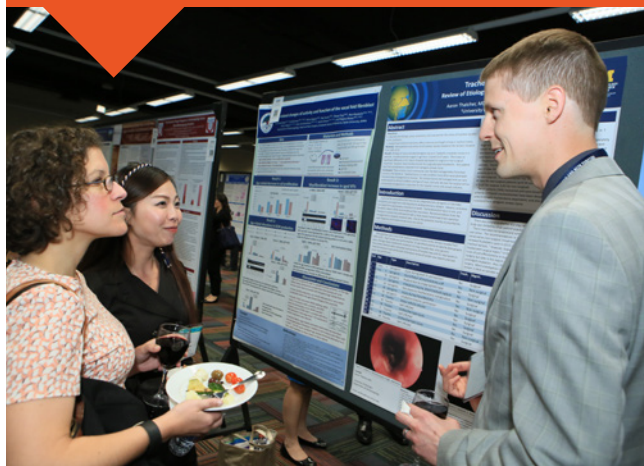
**5:00 pm**

Adjournment  
Samuel H Selesnick, MD

**6:30 pm**

AOS President's Reception  
and Dinner/Dance  
*Hotel Del Coronado*  
(Registered Members and Invited  
Guests only)

## JOIN US!



### 1<sup>st</sup> COMBINED POSTER RECEPTION

**ABEA • AHNS • ALA • ARS**

Thursday, April 27 • 5:30 pm – 7:00 pm  
Grand Hall A-D, Grand Hall Foyer, and Seaport Foyer

### 2<sup>nd</sup> COMBINED POSTER RECEPTION

**AAFPRS • ANS • AOS • TRIO**

Friday, April 28 • 5:30 pm – 7:00 pm  
Grand Hall A-D and Grand Hall Foyer

SATURDAY, APRIL 29

# SUNDAY, APRIL 30

**AOS**

LOCATION: SEAPORT DE (UNLESS OTHERWISE NOTED)

**7:00 am**

Business Meeting /  
Committee Reports

**7:30 am**

Welcome & Opening  
Remarks by the President  
Samuel H Selesnick, MD

**7:35 am**

Audition's Effect on Balance in  
Gait for Hearing Aid Patients  
Tyler S Weaver, MD

**7:43 am**

Dizziness Handicap Inventory  
Score Is Highly Correlated with  
Markers of Gait Disturbance  
Damiano Zanutto, PhD

**7:51 am**

**Resident Research  
Travel Award**

Efficacy of Intratympanic  
Gentamicin in Meniere's  
Disease with and without  
Migraine  
Yuan F Liu, MD

**7:59 am**

Histologic Grade of  
Otosclerosis Correlates with  
Computed Tomography  
Densitometry Measurements  
in Human Temporal Bone  
Specimens  
Alicia M Quesnel, MD

**8:07 am**

Paget's Disease of the  
Temporal Bone: A Single-  
Institution Review of 23 Cases  
Nicholas L Deep, MD

**8:15 am**

Validation of A Novel  
Summative Temporal Bone  
Dissection Scale  
Michael Gousseau, MD

**8:23 am**

Discussion

**8:30 am**

**Saumil N. Merchant  
Memorial Lecture**

The Active Ear: How Hair  
Cells Provide a Biological  
Hearing Aid  
A James Hudspeth, MD, PhD

**9:00 am**

A Comprehensive Analysis of  
Hearing Loss Among Children  
with Low Birth Weight  
Akash N Naik, BA

**9:08 am**

Safety of Autologous Human  
Umbilical Cord Therapy  
for Acquired Sensorineural  
Hearing Loss in Children  
Linda Baumgartner,  
MS CCC-SLP, LSLS Cert-AVT

**9:16 am**

Short-term and Long-term  
Hearing Outcomes with  
the Middle Cranial Fossa  
Approach for Resection of  
Vestibular Schwannoma  
Sameer Ahmed, MD

**9:24 am**

Occupational Noise  
Exposure and a Potential  
Risk for Noise Induced  
Hearing Loss Among  
Otolologist and Neurologist  
due to Temporal Bone Drilling  
Yona Vaisbuch, MD

**9:32 am**

Factors Associated with  
Benefit of Active Middle Ear  
Implants and Conventional  
Hearing Aids  
Theodore R McRackan, MD

**9:40 am**

Discussion

**9:45 am**

Break

**10:07 am**

**Resident Research Travel  
Award**

Drill-induced Cochlear Injury  
during Otologic Surgery:  
Intracochlear Pressure  
Evidence of Acoustic Trauma  
Renee M Banakis Hartl, MD, AuD

**10:15 am**

Transcanal Endoscopic  
Ear Surgery - Utility and  
Ease of Surgical Technique  
from a Resident Surgeon's  
Perspective  
Andrew K Johnson, MD

**10:23 am**

Effects of Time and Level  
Difference Inputs to Bilaterally  
Placed Bone-conduction  
Systems on Cochlear Input  
Nyssa F Farrell, MD

**10:31 am**

Cochlear Implant Electrode  
Localization Using an Ultra-  
High Resolution Scan Mode  
On Conventional 64-Slice and  
New Generation 192-Slice  
Multi-Detector CT Scanners  
Matthew L Carlson, MD

**10:39 am**

"Delayed Cochlear Implant  
Serous Labyrinthitis" A  
Previously Unrecognized  
Phenomenon with a Distinct  
Clinical Pattern  
Deeyar Itayem, BS

**10:47 am**

Does Intraoperative Testing  
During Cochlear Implantation  
Impact Surgical Decision-  
Making?  
Joshua Cody Page, MD

**10:55 am**

Discussion

**11:00 am**

**Panel**

Evolving Strategies in  
Restoring and Preserving  
Middle Ear Ventilation and  
Function  
Moderator:  
Howard W Francis, MD  
Panelists:  
Prof. Dr. med. Karl-Bernd  
Hüttenbrink  
Sujana S Chandrasekhar, MD  
Dennis S Poe, MD  
Alejandro Rivas, MD  
John L Dornhoffer, MD

**12:00 pm**

Adjournment  
Samuel H Selesnick, MD



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- Resources for health care professionals
- The Merck Access Program
- KEY+YOU Support Program for patients



# 1<sup>st</sup> COMBINED POSTERS

JOIN US!

1<sup>st</sup> COMBINED POSTER RECEPTION

**ABEA • AHNS • ALA • ARS**

Thursday, April 27 • 5:30 pm – 7:00 pm

Grand Hall A-D, Grand Hall Foyer, and Seaport Foyer

## ABEA POSTERS

1<sup>st</sup> COMBINED POSTERS: ABEA • AHNS • ALA • ARS

- |   |  |  |
|---|--|--|
| <p><b>A001</b> External Airway Splint to Treat Tracheomalacia Following Laryngotracheal Reconstruction<br/>Wayne Hsueh, MD</p> <p><b>A002</b> Retained Airway Foreign Body in a Laryngectomy Patient – The Danger of the Modified Laryngectomy Stoma Button<br/>Bradley Petty, MD</p> <p><b>A003</b> Endoscopic Removal of Dystrophic Thyroid Cartilage Calcification with a Tischler Cervical Biopsy Punch<br/>Brian Nuyen, MD</p> <p><b>A004</b> Laryngeal Mask Airway Ventilation During Pediatric Endoscopic Laryngotracheal Surgery<br/>Blake Smith, MD</p> <p><b>A005</b> Blunt Laryngotracheal Trauma in Children<br/>Matthew Cooper, MD</p> <p><b>A006</b> Novel Regenerative Approach for the Prevention of Vocal Fold Scarring Using Biodegradable Gelatin Hydrogel with Basic Fibroblast Growth Factor (bFGF)<br/>Mitsuyoshi Imaizumi, MD</p> <p><b>A007</b> Effects of Chemical Stimulation of the Parabrachial Nucleus on Vocal Motor Regulation in Guinea Pigs<br/>Yoichiro Sugiyama, MD</p> <p><b>A008</b> Acute Onset Dysphagia and Aspiration Following Cleft Palate Repair<br/>Shira Koss, MD</p> <p><b>A009</b> Cultural Variations in Aerodigestive Tract Foreign Bodies<br/>Christine DeMason, MD</p> <p><b>A010</b> Laryngeal Cleft Type IV: One Condition with Different Presentations<br/>Gabriel Hernandez, MD</p> | <p><b>A011</b> Delayed Multifocal Tracheal Injury Following Thyroidectomy: Case Report and Literature Review<br/>Matthew Shew, MD</p> <p><b>A012</b> Surgical Histoanatomy for Adduction Arytenopexy using Injection Laryngoplasty<br/>Kiminori Sato, MD</p> <p><b>A013</b> Hemodynamic Changes Associated with Transcervical Laryngeal Injection of Botulinum Toxin<br/>Lyndsay Madden, MD</p> <p><b>A014</b> Long-Term Outcomes of Lipoinjection for Vocal Fold Augmentation<br/>R Jun Lin, MD</p> <p><b>A015</b> Cordotomy by Coblation in Bilateral Vocal Fold Immobility<br/>Roy Xiao, MD</p> <p><b>A016</b> Acute Unilateral Vocal Fold Paralysis: A Case Report and Review of Literature<br/>Derrick Tint, MD</p> <p><b>A017</b> Management of Subglottic Stenosis During Pregnancy with In-office Steroid Injections<br/>Grace Baik, MD</p> <p><b>A018</b> Outcomes After Endoscopic Management of Posterior Glottic Stenosis in Adults<br/>Michael Loochtan, MD</p> <p><b>A019</b> Duration of Tracheostomy Dependence and Development of Tracheocutaneous Fistula in Children<br/>Tu-Anh Ha, MD</p> <p><b>A020</b> Endobronchial Ultrasound Guided Transoral Fine Needle Aspiration of Lateral Retropharyngeal Lymph Node<br/>Grace Baik, MD</p> <p><b>A021</b> Horse Bite Crush Injury to the Larynx: A Case Report<br/>Michael Yim, MD</p> | <p><b>A022</b> Analysis of Computerized Tomography (CT) Head &amp; Neck images in Young Children: Prevention of Aspiration and Choking Injuries<br/>Nicholas Milkovich, MD</p> <p><b>A023</b> Killian-Jamieson Diverticulum Presenting as Unilateral Vocal Cord Paresis: A Rare Otolaryngologic finding with an Atypical Presentation<br/>Daniel Noel, MD</p> <p><b>A024</b> Long Term Vocal Outcome Following Supracricoid partial Laryngectomy with Cricohyoidoepiglottopexy for Laryngeal Cancer<br/>Satoru Miyamaru, MD</p> <p><b>A025</b> Fire in The Hole – Taser Foreign Body In The Soft Palate<br/>R Jun Lin, MD</p> <p><b>A026</b> Actinomyces and Granulicatella Chondritis of the Cricoid Cartilage<br/>Phillip Lee, MD</p> <p><b>A027</b> Can You Please Stop Coughing? Cough Suppression Therapy for Treatment of Chronic Cough<br/>Lauren F Tracy, MD</p> <p><b>A028</b> Clinical Implications of Regeneration Synkinesis in Unilateral Vocal Fold Paralysis<br/>Wan-Ni Lin, MD</p> <p><b>A029</b> Oral HPV Infection and High Risk Subtypes In Recurrent Respiratory Papillomatosis<br/>Aaron Thatcher, MD</p> <p><b>A030</b> Supraglottic Foreign Bodies: A Review of Two Denture Cases<br/>Tyler Bliss, MD</p> <p><b>A031</b> Post-operative Pain in Sleep Surgery: A New Era<br/>Nicholas Scalzitti, MD</p> <p><b>A032</b> In-vivo Ferret Vocal Fold Scar Model for Injection Laryngoplasty<br/>Haruka Takamura, MD</p> |
|---|--|--|

# ABEA POSTERS

- A033** Augmented Reality of Laryngeal and Tracheobronchial Injury: A New Preoperative Imaging Modality  
Matthew Naunheim, MD
- A034** Ideal Characteristics of a Laser-Protected Endotracheal Tube – ABEA Member Survey Results and Biomechanical Testing  
Mark Gerber MD
- A035** Chylomicron-Mediated Trafficking of Dietary Vitamin A to the Rat Vocal Fold  
Kohei Nishimoto, MD
- A036** Medialization Thyroplasty with Autologous Tensor Fascia Lata – A Novel Approach for Reducing Post-Thyroplasty Complications  
Tiffany Chao, MD
- A037** Surgical Management of an Atraumatic Displaced Laryngeal Fracture after Coughing  
Tiffany Chao, MD
- A038** Bridging the Gap between Clinical and Research Settings for Functional Assessment of the Vocal Folds  
Justin Hintze, MD
- A039** Office-based Flexible Endoscopic Carbon Dioxide Laser Day Surgery for Laryngeal Diseases  
Koji Araki, MD
- A040** Epidemiological Survey of Laryngeal Fractures in United States Emergency Rooms  
Rosh Sethi, MD
- A041** Disposable Bronchoscope Versus Conventional Bronchoscope for Assisted Percutaneous Dilatational Tracheostomy in a Medical ICU: A Cost Comparison Study  
Andrew Robichaux, MD
- A042** Recovery Process of Epithelial Barrier and Tight Junction after Tracheal Injury  
Takuya Tsuji MD
- A043** The Plication Technique to Enhance the Endoscopic Approach to Zenker's Diverticulum  
Harry Ching, MD
- A044** In Office Steroid Injection as Salvage Following Operative Balloon Dilation for Subglottic Stenosis in a Pregnant Woman  
Tyler Willman, MD
- A045** Changes in Timing of Swallow Events in Parkinson's Disease  
Breanne Schiffer, MD
- A046** In-vitro Comparison of Alginate-Containing Products for Treatment of GERD  
Ahmed Bayoumi, MD
- A047** Assessing Dietary Advancement for Dysphagia Patients at Risk for Aspiration  
Cedric Thiel, MD
- A048** Management of Unilateral Vocal Fold Paralysis in Geriatric Patients: Voice Outcomes  
Ozlem Tulunay Ugur, MD
- A049** Epidemiology of Laryngeal Diseases in Taiwan: a Nationwide Database Study  
Ying-Ta Lai, MD
- A050** Outcomes after Cricotracheal Sleeve Resection for Idiopathic Suglottic Stenosis  
Patrick Carpenter, MD
- A051** The Incidence and Duration of Swallow-Related Symptoms Following Surgery for Obstructive Sleep Apnea  
Masanari Kato, MD
- A052** Comparison of Patients Undergoing Arytenoidectomy with and without Tracheostomy for Bilateral Vocal Fold Immobility  
Yin Yiu, MD
- A053** Feasibility of Screening with a New Cough Test Device for Evaluating the Risk of Aspiration Pneumonia  
Kazunori Fujiwara, MD
- A054** Process and Properties of Tracheal Wound Healing in a Murine Injury Model  
Tohru Sogami, MD
- A055** Serial Intralesional Steroid Injections for Subglottic Stenosis  
Caitlin Bertelsen, MD
- A056** Comparison of Patient Characteristics and Outcomes in Infectious and Non-infectious Epiglottitis  
David Kim, MD
- A057** Is Tracheostomy on the Decline In Otolaryngology? A Single Institutional Analysis  
Andrew Bowen, MD
- A058** Risk Factors for Thyroid-surgery-related Unilateral Vocal Fold Paralysis  
Hung Chun Chen, MD
- A059** Does Voice Therapy Improve Vocal Outcomes in Vocal Fold Atrophy?  
Emma Bick, MD
- A060** Novel Use of Thoracic T-tube in Control of Fistula and Delayed Repair of Esophageal Transection with Supraclavicular Flap  
Avram Hecht, MD
- A061** Correlation Between Laryngological Clinical Evaluation and Videofluoroscopic Swallow Study Findings in Patients with Cough  
Gregory Dion, MD
- A062** Rare Laryngeal Manifestations of Rheumatic Diseases  
Rachel Kaye, MD
- A063** Efficacy of Sublesional Avastin (Bevacizumab) on Recurrent Laryngeal Papilloma  
Mrudula Thiriveedi, MD
- A064** Reinke's Polyp Reduction Following Treatment with KTP Laser versus Microflap Excision Surgery  
Lukas Dumberger, MD
- A065** Tranilast Attenuate the Granulation and Re-stenosis After 3-D Printed Tracheal Scaffold Implantation  
Seong Keun Kwon, MD
- A066** A Novel Auricular Hematoma Training Model  
Nicole Maronian, MD
- A067** Botulinum Toxin for Radiation-Induced Head and Neck Dystonic Spasm and Pain  
Mi Jin Yoo, MD
- A068** Does the Penetration-Aspiration Scale Predict Future Respiratory Illness in Infants?  
Geoffrey Casazza, MD

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## ABEA POSTERS

- A069** A Diagnostic Dilemma: Plastic Bronchitis Presenting as Complete Hemithorax Opacification in a Minimally Symptomatic Patient  
Anju Patel, MD
- A070** Fresh Blunt Laryngeal Trauma: Classification and Management of 52 Cases in Japan  
Hirohito Umeno, MD
- A071** Recruitment to High Risk Airway Clinical Trials: Protocol Development  
Martin Birchall, MD
- A072** Pseudosarcomatous Myofibroblastic Proliferation (Inflammatory Pseudotumor) of the Hypopharynx: A Case Report and Literature Review  
Tom Zhou, MD
- A073** NR4A1 as an Endogenous Inhibitor of Transforming Growth Factor-beta Mediated Vocal Fold Fibrosis  
Nao Hiwatashi, MD
- A074** Esophageal Dilation Following Total Laryngectomy: A Description of Rates and Effectiveness  
Christopher Shumrick, MD
- A075** Does Adjuvant Therapy Have to be Administered in Series of Three Injections to Improve Surgery Intervals in Patients with Recurrent Respiratory Papillomatosis?  
Rishabh Sethia, MD
- A076** Understanding Patient Expectations Regarding Electronic Cigarette Counseling from Their Otolaryngologist  
Viran Ranasinghe, MD
- A077** Pilot Testing of a Laryngeal Suture Simulator: Feasibility and Construct Validity  
Rachel Kaye, MD
- A078** Predicting Dysphagia after Cardiac Surgery  
Ashley Kita, MD
- A079** The Effect of Vocal Fold Augmentation on Patient Perception of Chronic Cough Symptoms in the Presence of Glottic Insufficiency  
Juliana K Litts

## AHNS POSTERS

- B001** Otolaryngology Resident Supraclavicular, Submental, and Other Regional Flap Exposure in the United States  
Andrew T Day, MD
- B002** Patient Risk Factors and Postoperative Complications Most Associated with Increasing Length of Hospital Stay Following Free Flap Reconstruction of the Head and Neck  
Sana H Siddiqui, BA
- B003** Usability of Advanced Pneumatic Compression for the Treatment of Head and Neck Lymphedema Related to Cancer  
Harvey N Mayrovitz, PhD
- B004** Survival Prognostic Factors of Metachronous Second Primary Head and Neck Squamous Cell Carcinoma  
Szu-Yuan Wu, MD, MPH
- B005** Impact of Nodal Level Distribution on Survival in Parotid Gland Squamous Cell Carcinoma: A Population Based Study  
Kajal P Shah, BS
- B006** Independent of Pre-Treatment Weight Loss, Survival is Increased in Patients Developing Severe Weight Loss During Concomitant Chemotherapy and Radiation Therapy for Advanced Operable Squamous Cell Carcinoma of the Head and Neck  
Casey G Sheck, DO
- B007** Entrectinib, a Highly Potent, Brain-Penetrant Pan-Trk, ROS1, and ALK Inhibitor, is Efficacious in Molecularly Defined Head and Neck Cancers  
Alan L Ho, MD, PhD
- B008** WITHDRAWN
- B009** Angiosarcoma of the Scalp and Face: Patterns of Metastasis, and Effects of Surgical Intervention  
Christoph M Prummer, MD
- B010** Metastatic Lymph Node Burden and Survival in Head and Neck Cancer  
Allen S Ho, MD
- B011** Predictive Factors of Metastasis in Adenoid Cystic Carcinoma of the Minor Salivary Glands  
Ian Ganly, Dr
- B012** Cutaneous Squamous Cell Carcinoma of the Head and Neck- Presentation of Disease Among Minorities  
Thomas J Ow
- B013** Locoregionally Recurrent Head and Neck Squamous Cell Carcinoma: Incidence, Survival, Prognostic Factors, and Treatment Outcomes  
Szu-Yuan Wu, MD, MPH

# AHNS POSTERS

- B014** Field Testing of an Innovative App in India Reveals That over 40% of Individuals Chew Betel Nut – First Data from an AHNS Funded Project  
Matt Lechner, MD, PhD
- B015** Nonlocalization of Sentinel nodes in Head and Neck Melanoma and Merkel Cell Carcinoma  
Kate Clancy, BA
- B016** Novel Use of Fiducial Markers in Surgical Resection Margins During Transoral Surgery of the Oropharynx to Assist in Adjuvant Radiation Planning  
James Martin, MD
- B017** Systematic Review with Meta-Analysis of Intraoperative Neuromonitoring During Thyroidectomy  
Shuwen Yang, MD
- B018** Preliminary Swallowing Outcomes in Patients with Oropharyngeal Cancer Undergoing Chemoradiation  
Weitao Wang, MD
- B019** Education of Nurses Regarding the Care of Patients Undergoing Laryngectomy and Tracheostomy  
Suzanne E Smart, MD
- B020** Patterns of Recurrence Following Stereotactic Body Radiation Therapy of Lymph Node Recurrences of Head and Neck Squamous Cell Carcinoma  
David A Clump, MD, PhD
- B021** Adenoid Cystic Carcinoma: Long-term Experience at a Tertiary Care Center  
Mark Mims
- B022** The Usefulness of Combined Measurements of Squamous Cell Carcinoma Antigens 1 and 2 in Diagnosing Inverted Papilloma and Sinonasal Squamous Cell Carcinoma  
Ryuji Yasumatsu, MD
- B023** Assessing the Incidence of Death Beyond Malignancy in Patients with Head and Neck Cancer  
Neel Sangal, BA
- B024** Opioid Prescribing Practices by Head and Neck Surgeons  
Kate Clancy, BA
- B025** Opioid Prescribing Patterns and Associated Clinical Factors in Patients Undergoing Surgery for Oral Cavity Cancer  
Kathryn R Tringale, BS
- B026** WITHDRAWN
- B027** The Application of Ultrasound in Detecting Lymph Nodal Recurrence in the Treated Neck of Head and Neck Cancer Patients  
Chi-Maw Lin
- B028** Survival Outcomes for Surgery Alone Versus Surgery and Radiation Therapy Among Patients with Salivary Adenoid Cystic Carcinoma  
Tara J Wu, BA
- B029** The Impact of Training Level on Complications After Parotidectomy  
Jacob S Brady, BA
- B030** Utility of Routine CT Screening versus Clinical Exam in Head and Neck Cancer Surveillance  
Jacob C Lucas
- B031** Incidence, Characteristics, and Significance of Incidental Increased Thyroid Uptake on 18F-FDG PET/CT  
Alexa Castellano, MD
- B032** Treatment of Minor Salivary Gland Cancers by the Endoscopic Endonasal Approach  
Meghan T Turner, MD
- B033** Factors Impacting Surgical Treatment Choice and Survival for Sinonasal Adenoid Cystic Carcinoma: A National Cancer Data Base Analysis  
Julianna E Pesce, MD
- B034** Multivariate Oral Rinse Models Predict Head and Neck Squamous Cell Carcinoma (HNSCC)  
Michael Donovan, Professor and Chief Clinical Officer
- B035** Localized Ablation of the Thyroid Gland Using Magnetic Resonance-Guided High-Intensity Focused Ultrasound In An Animal Model  
Mai G Al Khadem, MBBCh
- B036** Meta-Analysis of Diagnostic Accuracy in Sentinel Lymph Node Biopsy for Low-Stage Oral Tongue Squamous Cell Carcinoma  
Jonathan R George, MD, MPH
- B037** Laryngectomy Patients in the Primary Care Setting: Are They Being Cared for Appropriately?  
William S Kim, MD
- B038** Failure to Achieve Gross Total Disease Resection During Initial Surgery of Major Salivary Gland Carcinoma Affects Disease Free Survival  
Samantha Tam, MD
- B039** Comparison of Head and Neck Cancer Survival: Europe vs. United States  
Suat Kilic, BA
- B040** Three Dimensionally Cultured Human Mesenchymal Stem Cell (MSC) Patch Accelerates the Ulcer Healing via Enhanced Secretion of Cytokines Related with Angiogenesis, Anti-Inflammation and Protection Against Cell Death  
Seong Keun Kwon, MD, PhD
- B041** Preoperative Anemia Displays a Dose-Dependent Effect on Complications in Major Head and Neck Oncologic Surgery  
Nicholas B Abt, MD
- B042** Gauging Medical Student Interest in Augmented Reality for Learning Head and Neck Anatomy  
Kevin Wong, BA
- B043** Update on Aspyrian Trial: Study of RM-1929 and Photoimmunotherapy in Patients with Recurrent Head and Neck Cancer  
John P Gleysteen, MD
- B044** Antibiotic Prophylaxis for Revision, Clean Head and Neck Surgery – A Double-Blind, Randomized, Placebo-Controlled Trial  
Yotam Shkedy, MD
- B045** Submental Liposuction for the Management of Lymphedema Following Head and Neck Cancer Treatment: A Randomized Controlled Trial  
Uthman Alamoudi, MD

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## AHNS POSTERS

1<sup>st</sup> COMBINED POSTERS: ABEA • AHNS • ALA • ARS

- B046** Anti-OX-40 (MEDI6469) Prior to Definitive Surgical Resection in Patients with Head and Neck Squamous Cell Carcinoma  
R Bryan Bell, MD, DDS, FACS
- B047** The Role of TLR3 Signaling in Chemoresistance of Head and Neck Squamous Cell Carcinoma  
Hui-Ching Chuang, MD, PhD
- B048** Loss of Protective CD169 Macrophages in Lymph Nodes with Metastatic Squamous Cell Carcinoma with Preservation in Adjacent Negative Draining Lymph Nodes  
Michael C Topf, MD
- B049** Cetuximab and Cisplatin Effects on Orosphere Formation and Gene Expression in Head and Neck Squamous Cell Carcinoma (HNSCC) Cells: The Potential for a Prognostic Biomarker  
Valeda Yong, BA
- B050** Long-Term Outcomes of Patients with Cutaneous Squamous Cell Carcinoma of the Head and Neck  
Neil D Gross, MD
- B051** Predictors of Recurrence and Metastasis in Acinic Cell Carcinoma of the Parotid Gland  
S Ahmed Ali, MD
- B052** Prognostic Factors of Cutaneous Squamous Cell Carcinoma in the Head & Neck and the Role of Sentinel Lymph Node Biopsy: A Systematic Review of the Literature  
Joshua Lubov
- B053** Comparison of the Clinicopathologic Features of Oncocytic Variant Papillary Thyroid Carcinoma with Classical and Follicular Subtypes  
Carol Li, MD
- B054** Superior Detection of Metastatic Cystic Lymphadenopathy in Patients with Papillary Thyroid Cancer by Utilization of Thyroglobulin Washout  
Helmi Khadra, MD
- B055** Prescription and Usage Pattern of Narcotic in Postoperative Thyroid Surgery  
Catherine Lumley, MD
- B056** Association of Clinical Risk Factors and Perioperative Variables on Outcomes After Parathyroidectomy  
Elizabeth E Cottrill, MD
- B057** The Effect of Nodule Size in Patients with Minimal Extrathyroidal Extension in Differentiated Thyroid Cancer  
Mongkol Boonsripitayanon, MD
- B058** Lingual Thyroid Carcinoma a Case Report and Review of Surgical Approaches in the Literature  
William A Stokes, MD
- B059** Do Anticoagulation Medications Increase the Risk of Bleeding in Ultrasound Guided Fine Needle Aspiration of Thyroid Lesions?  
Helmi Khadra, MD
- B060** Impact of Age on In-Hospital Complications Associated with Parathyroid Surgery  
Aparna Govindan, BA
- B061** Can BRAFV600E Status Predict Extrathyroidal Extension in Papillary Thyroid Cancer?  
Helmi Khadra, MD
- B062** A Nomogram for Predicting Transient Post-Operative Vocal Fold Paralysis After Total Thyroidectomy for Papillary Carcinoma  
Luiz P Kowalski, PhD
- B063** Significance of Intraoperative PTH in Surgical Management of Secondary and Tertiary Hyperparathyroidism  
Khuzema Mohsin, MD
- B064** TRAF2 Associated with FAK is Essential for Head and Neck Metastasis  
Sabrina Daniela Silva Wurzbach
- B065** The Screening and Identification of Molecules Related to Nasopharyngeal Carcinoma Radioresistance  
Chao Liu
- B066** TRAF3/CYLD Mutations Define a Distinct Subset of HPV-associated Head and Neck Squamous Cell Carcinoma  
Andrew B Sewell, MD
- B067** Immunohistochemical Evaluation of Notch Pathway Activation in Head and Neck Squamous Cell Carcinoma  
Eleni M Rettig, MD
- B068** Detection of Methylated Tumor DNA in Plasma and Saliva After Treatment Predicts Recurrence In HPV-Negative Head and Neck Squamous Cell Carcinoma  
Sunny Haft, MD
- B069** High Accuracy to Distinguish Malignant from Non-Malignant Thyroid Tissues Using DNA Methylation Profiling  
Mateus Barros Filho, PhD
- B070** Targeting Mechanisms of Resistance to Apoptosis in Head and Neck Squamous Cell Carcinoma  
Cory Fulcher
- B071** Differential Immune, Transcriptome, and Microbiome Responses in the Head and Neck Squamous Cell Carcinoma Tumor Microenvironment  
Steven R Gill, PhD

# AHNS POSTERS

- B072** Differential Gene Expression Analysis of Invasive and Non-Invasive Follicular Variant of Papillary Thyroid Carcinoma  
Christopher Pool, MD
- B073** Development and Characterization of an In Vitro Model for Radiation Induced Fibrosis  
Sreeya Yalamanchali, MD
- B074** Mutation Profiling of Olfactory Neuroblastoma, Establishment of Novel Olfactory Neuroblastoma Cell Line Models and Results from Drug Screening  
Matt Lechner, MD, PhD
- B075** NDRG Expression Predicts Metastasis and is a Potential Therapeutic Target in Oral Cancer  
Gregoire B Morand, MD, MSC
- B076** Analysis of Mutations in Druggable Target Genes in Salivary Mucoepidermoid Carcinomas Revealed by Whole Exome Sequencing  
Ana Flavia Costa, DDS, PhD
- B077** Cancer Stem Cell Distribution at the Surgical Margin and Tumor Leading Edge  
Farshad N Chowdhury, MD
- B078** Genomic Signature of Extra Nodal Extension (ENE) in Oral Squamous Cell Carcinoma (OSCC)  
Vlad Sandulache, MD, PhD
- B079** Multiple-Biopsy Tumour Heterogeneity in Squamous Carcinomata of the Oropharynx  
Andrew S Lau, MRCS
- B080** Characteristics Associated with Voice Handicap After Supracricoid Partial Laryngectomy  
Jennifer Wherley, MS
- B081** The Impact of Adjuvant Treatment and Radial Forearm Free Tissue Transfer on Tracheoesophageal Voice Prosthesis (TEP) Outcomes After Total Laryngectomy  
Donna J Graville, PhD
- B082** Management Decisions of Advanced Laryngeal Cancer with Airway Obstruction  
Al Haitham Al Shetawi, MD, DMD
- B083** Time of Follow-Up and Other Prognostic Information in 784 Patients with Larynx Squamous Cell Carcinoma  
Luiz P Kowalski, PhD
- B084** Clinicopathologic Features and Prognostic Indicators of Laryngeal Small Cell Carcinoma: A Retrospective Cohort Study  
Satvir S Saggi
- B085** CD8 Positive Tumor Infiltrating Lymphocytes Predict Survival in Recurrent Laryngeal Squamous Cell Carcinoma  
Rebecca C Hoesli, MD
- B086** Prognostic Significance of Tumor and Stromal Factors on Occurrence of Delayed Lymph Node Metastases (DLNM) and Survival in Early-Stage Oral Squamous Cell Carcinoma (OSCC)  
Ivica Luksic, Assist Prof, PhD, MD
- B087** Oral Cavity Verrucous Carcinoma: A Population-Based Study of 1408 Cases  
Alexander N Goel, BA
- B088** Sentinel Node Biopsy vs. Elective Neck Dissection in Early Stage Oral Cancer  
Remco de Bree
- B089** Fluorescent Detection of Squamous Cell Carcinoma Using 5-Aminolevulinic Acid In Vitro  
Neil S Nayak, MD
- B090** Evaluation of the Effectiveness and Impact of Tobacco De-Addiction Tool in the Context of Present Anti Tobacco Campaigns  
Dr Stuti S Bhargava, MDS, PhD
- B091** Adherence to Treatment Guidelines for Oral Cavity Squamous Cell Carcinoma: Primary Surgical Resection vs. Primary Radiation Therapy  
Rance J Fujiwara, BS
- B092** Intra-Operative Ultrasound in Oral Tongue Cancer Resection: Feasibility Study and Early Outcomes  
Osama Tarabichi
- B093** Sentinel Lymph Node Biopsy in Clinically N0, T1/T2, Oral Squamous Cell Carcinoma  
Arshad Kaleem, MD, DMD
- B094** Impact of Perineural Invasion in Early Stage Oral Cavity Squamous Cell Carcinoma  
Matthew Shew
- B095** Head and Neck Cancer-Induced Stromal Fibroblast Autophagy Regulates Tumor Metabolism and Growth  
Sufi M Thomas
- B096** PET/CT for Post-treatment Surveillance in HPV-positive Oropharyngeal Cancer: Diagnostic Accuracy, Clinical Impact, Recurrence, and Survival  
David W Corpman, BS
- B097** Evaluation of Newly Proposed Hpv-Positive Oropharyngeal Cancer Staging Systems  
Eugenie Du, MD
- B098** Treatment Deintensification in Human Papillomavirus Positive Oropharynx Cancer: Assessing Safety and Guiding Future Directions  
Shayan Cheraghlou, BA
- B099** The Characteristics of p16 Positive/ p53 Negative Oropharyngeal Squamous Cell Carcinomas – Excellent Survival, Higher Response Rate to Neoadjuvant Chemotherapy and Lower Multiple Malignancy Incidence  
Shogo Shinohara, MD, PhD
- B100** What Your Parents Didn't Tell You: A Historical Analysis of Risk Factors for Oropharyngeal Cancer  
Natasha Cohen, Dr
- B101** Metastectomy for Delayed Distant Metastasis in Human Papillomavirus-Associated Oropharyngeal Carcinoma  
William G Albergetti, MD
- B102** Pattern of Distant Metastasis in Oropharyngeal Squamous Cell Carcinoma in a Veteran Population and Report of a Rare Case  
Bin Li, MD

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## AHNS POSTERS

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- B103** Incidence and Predictors of Long-Term Complications Following Definitive Radiation Therapy in the Treatment of Oropharyngeal Squamous Cell Carcinoma  
Akshay Patel, MA, DO
- B104** Non-coding RNA Biomarkers in Oropharyngeal Squamous Cell Carcinoma: A Prospective Non-Randomized Study  
Masanari G Kato, BS
- B105** Knowledge of HPV and Head and Neck Cancer in a High-Risk Population with HIV: Implementation of a Targeted Educational Program  
Noel Ayoub
- B106** Improving the Sensitivity of Oropharyngeal HPV Detection via Brush Sampling of the Palatine-Lingual Tonsil Interface  
Jeremy Foon, MD, MPH
- B107** p16 status Predicts Survival in Recurrent and Persistent Oropharyngeal Cancer  
Joseph F White, MD
- B108** Voice and Swallowing Outcomes Following Radiotherapy for Primary Nasopharyngeal Carcinoma in a Randomized Controlled Trial of Neuromuscular Electrical Stimulation  
Jason Chan
- B109** Quality of Life Outcomes Following Sialendoscopy for Chronic Sialadenitis in Hong Kong  
Jason Chan
- B110** Determining a Precise Cut Point for the Association Between Annual Surgeon Thyroidectomy Volume and Outcomes  
Charles M Meltzer
- B111** Sentinel Lymph Node Biopsy in Pediatric and Young Adult Head and Neck Atypical Melanocytic Neoplasms  
David Pfau
- B112** Clinical Profile, Treatment Patterns and Outcomes Of Stage IV SCCN Patients Receiving 2nd Line Active Drug Treatment  
Giovanni Zanotti
- B113** The Effect of Smoking on Postoperative Complications and Length of Stay After Head and Neck Free Tissue Reconstruction  
Emily M Barrow, MD
- B114** The Role of FDG PET-CTs in the Detection of Oropharyngeal Cancer Recurrence  
Shanmugappiriya Sivarajah, MD
- B115** Frailty Characteristics Can Predict Outcome in Patients Undergoing Microvascular Head and Neck Reconstruction  
Yue Ma, MD
- B116** After We're Gone: Establishing Follow-Up and Measuring Outcomes for Patients Treated During Two-Week Head and Neck Surgical/Educational Mission Trips to Kenya  
Charissa N Kahue, MD
- B117** Poor Oral Health Affects Survival in Head and Neck Cancer  
Douglas R Farquhar, MD, MPH
- B118** Clinical Outcomes After Local Field Conformal Radiation of Patients with Recurrent Retropharyngeal Nodal Metastasis  
Courtney Pollard, III, MD, PhD
- B119** Regional Recurrences and Hyams Grade in Esthesioneuroblastoma  
Hedyeh Ziai
- B120** Epidemiology of Squamous Cell Carcinoma of the Hard Palate in the United States: A Population-Based Cohort Analysis of 1,489 Cases  
Albert Y Han, PhD
- B121** Assessing the Accuracy of the ACS NSQIP Risk Calculator in Predicting Outcomes for Patients Undergoing Head and Neck Free Flap Reconstruction  
Kate Clancy, BA
- B122** The Importance of Early Dysphagia Evaluation and Management after Trans-Oral Robotic Surgery (TORS)  
Meryl Kaufman, Med, CCCSLP
- B123** The Impact of Chemoradiation on Survival for Patients with T1-2N1 Head and Neck Cancer  
Zachary S Zumsteg, MD
- B124** Salivary Gland Neuroendocrine Carcinoma: A Population-Based Analysis of Incidence and Survival  
Alexander N Goel, BA
- B125** StoneBreaker Salivary Pneumatic Lithotripsy: A Clinical Study  
Rohan R Walvekar, Associate Professor
- B126** Impact of Discharge Destination on Perioperative Outcomes Following Total Laryngectomy  
Aru Panwar, MD, FACS
- B127** Predictors of Short-Term Morbidity and Mortality in Open Anterior Skull Base Surgery  
Edward C Kuan, MD
- B128** The Impact of Institutional Clinical Trial Recruitment Versus Hospital Volume on Survival Outcomes of Patients with Head And Neck Cancer: An Analysis of the PET-NECK Trial Outcomes, UKCRN Portfolio, and Hospital Episode Statistics (HES) in England  
Daniel J Lin, BSc, MBChB



# AHNS POSTERS

- B129** In Search of a Reliable Predictor of Complications Following Laryngectomy: An Evaluation of the Accuracy of the American College of Surgeons NSQIP Surgical Risk Calculator  
James M Hamilton, MD
- B130** Radiation-Induced Soft Tissue Sarcoma of the Neck: Report of Three Cases and Review of the Literature  
Lawrence Williams
- B131** Retrospective Review of Post-Operative Pain in Primary Versus Salvage Total Laryngectomy Patients  
Daniel D Sharbel, MD
- B132** Factors Influencing Treatment Selection, Margin Status, and Survival for Esthesioneuroblastoma  
Rohan R Joshi, MD
- B133** Patient Characteristics as Predictors of Postoperative Complications in Free Flap Reconstruction for Head and Neck Cancer  
Ernest D Gomez, MD, MTR
- B134** A Salvage Algorithm for Finding Recipient Vessels in the Multiply Operated, Vessel Depleted Neck  
J T Stranix, MD
- B135** Long-Term Imaging of Double Barrel Fibula Flaps for Mandibular Reconstruction  
Adam S Jacobsen, MD
- B136** Computer Generated Custom PEEK Implants for Craniofacial Reconstruction: Anatomic Considerations and Acquired Pearls  
Gerald J Cho, MD
- B137** Microvascular Free Flap Reconstruction of the Head and Neck in the Pediatric Population  
Steven J Caldronney, DDS, MD
- B138** Duplex Imaging is Adequate for Preoperative Arterial Evaluation for Fibula Free Flaps and Frequently Changes Free Flap Selection  
Lauren B Moneta, MD
- B139** Submental Island Flap Reconstruction of Transoral Robotic Surgery Oropharyngeal Defects  
Lewis J Overton, MD
- B140** Shouldering the Load of Mandible Reconstruction: 74 Cases of Oromandibular Reconstruction with the Scapula Tip Free Flap  
David H Yeh, MD, FRCS
- B141** Transoral Robotic Surgery in Management of Supraglottic Malignancies: A Feasibility Study at a Tertiary Cancer Centre in India  
Karan Gupta, MS, DNB
- B142** Haemorrhage Post Transoral Robotic Surgery in Oropharyngeal Carcinoma: Incidence, Risk Factors and Prevention  
Karan Gupta, MS, DNB
- B143** Is Submandibular Gland Sparing Neck Dissection Along with Transoral Robotic Surgery for Oropharyngeal and Supraglottic Malignancies Oncologically Safe in cN0 Patients? An Institutional Review  
Reetesh Ranjan, MS
- B144** Oncological Outcome In Early HPV Negative Oropharyngeal Malignancies Following TORS as a Single Treatment Modality  
Surender Dabas, MS, DNB
- B145** Rate and Location of Regional Failure and Fistula Formation for HPV+ Oropharyngeal Squamous Cell Carcinoma treated with TORS  
Richard B Cannon, MD
- B146** The Clinical Applicability of Predictive Modeling in Head and Neck Cancer  
Chris Lee, MD
- B147** Modeling Drivers of Oral Intake in Head and Neck Cancer Survivors  
Katherine Hutcheson, PhD
- B148** Outcome and Prognostic Factors for Parotid Acinic Cell Carcinoma: A National Database Study  
Claudia Scherl, MD
- B149** Neck Spasm: An Under-Reported Symptom in Long-Term Oropharynx Cancer Survivors?  
Katherine Hutcheson, PhD
- B150** Defining the Ideal Cancer Surveillance for Oropharyngeal Cancer Patients, Continuity of Care Multidisciplinary Pathway, Prospective Longitudinal Study  
Moran Amit
- B151** SLP Referral Practices Among Head & Neck Cancer Physicians  
Lisa M Evangelista, CScD
- B152** WITHDRAWN
- B153** Factors Delaying Discharge in Head and Neck-Free Flap Surgery: When Physician Intervention Reaches its Limit  
Dustin Lang, MD
- B154** Thyroid Function Monitoring After Neck Radiotherapy  
Zahrah Taufique, MD, MBA
- B155** Variations of the Trapezius Branch of the Spinal Accessory Nerve in Cadaver Neck Dissections  
Adam Howard, BS
- B156** Value of Addition of Positron Emission Tomography for Primary Head and Neck Malignancy  
Austin Maas



# 1<sup>st</sup> COMBINED POSTERS

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Thursday, April 27 • 5:30 pm – 7:00 pm

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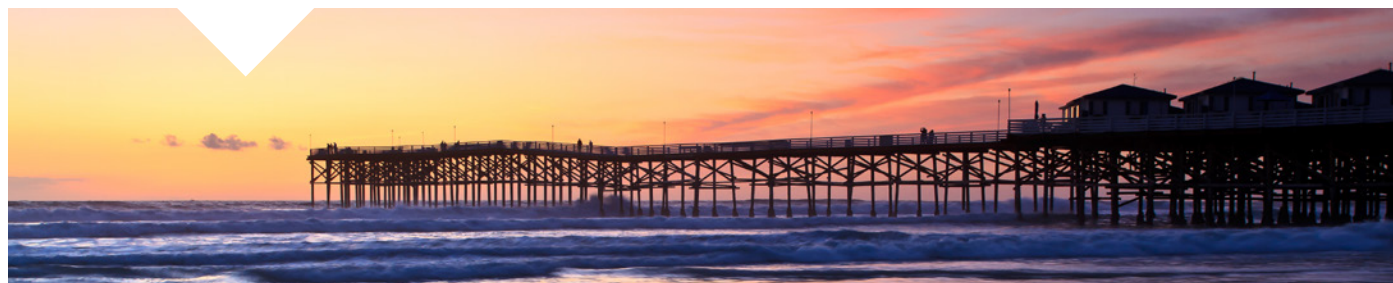
## ALA POSTERS

1<sup>st</sup> COMBINED POSTERS: ABEA • AHNS • ALA • ARS

- C001** A Novel Surgical Technique to Mobilize Cricoarytenoid Joint Ankylosis and a Taxonomy of This Disease  
Ihab Atallah, MD, PhD
- C002** A Novel Treatment for Abductor Spasmodic Dysphonia  
Karuna Dewan, MD
- C003** Adipose-Derived Mesenchymal Stem Cells Prevented Rat Vocal Fold Scarring  
Tsuyoshi Morisaki, MD
- C004** Adjuvant Human Papillomavirus Vaccination for Secondary Prevention  
Gregory R Dion, MD
- C005** Assessment of Laryngeal Cancer in Patients Younger Than Forty  
Yuval Nachalon, MD
- C006** Atypical Irregular Myoclonus of the Laryngopharynx  
Rachel Kaye, MD
- C007** Benign Rolandic Epilepsy Presenting Like Paradoxical Vocal Cord Motion: A Case Report  
Jennifer Gross, MD
- C008** Bilateral Vocal Fold Immobility After Caustic Ingestion, A Rare Etiology  
Shumon Dhar, MD
- C009** Buckled Thyroid Cartilage: An Anatomic Variant  
Brent Chang, MD
- C010** Chronic Laryngitis in a Patient with Garbage Associated Bioaerosol Exposure  
Avanti Verma, MD
- C011** Clinical Characteristics of Laryngeal Versus Non-Laryngeal Amyloidosis  
Shannon F Rudy, MD
- C012** Clinical Grading of Reinke's Edema  
Melin Tan, MD
- C013** Correlation of Patient Reported Dysphnea with Spirometric Data in Patients with Idiopathic Subglottic Stenosis  
James J Daniero, MD
- C014** Cryotherapy for Management of Non-Malignant Laryngeal and Tracheal Stenosis  
Matthew W Cooper, MD
- C015** Delayed Pharyngeal Migration of a Dental Screw 30 Years Later: A Case Report  
Esther Cheng, MD
- C016** Development of De Novo Concurrent Vocal Fold Dysplasia in a Nonagenarian Man and His Octagenarian Wife  
Priya Krishna, MD, MS
- C017** Dysphagia in Parkinson's Disease Improves with Vocal Augmentation  
Rebecca J Howell, MD
- C018** Early Versus Late Inpatient Injection Laryngoplasty for Postoperative Vocal Fold Movement Impairment After Thoracic Aortic Repair  
Wenhua (Diane) Chen, MD
- C019** Effectiveness of Botulinum for Treatment of Laryngeal Dystonias  
Priyesh Patel, MD
- C020** Efficacy of Type 1 Thyroplasty After Endoscopic Cordectomy for Early-Stage Glottic Cancer: A Systematic Literature Review  
Caitlin Bertelsen, MD
- C021** Epithelioid Hemangioendothelioma Presenting as Unilateral Vocal Fold Paralysis  
Justin Lui, MD
- C022** Evaluating the Effect of Rendering a Diagnosis for Dysphonia on Quality Of Life (QOL) as Measured by the Voice Handicap Index (VHI)  
Andrew Holcomb, MD
- C023** Evaluation of Singing Vocal Health in Collegiate A Cappella Singers  
Brandon J Baird, MD
- C024** Extending Your Reach (Retrograde Endoscopic Approach for Inferior Cord Hyperkeratosis): A New Technique for Approaching Inferior Laryngeal Lesions  
Alexander Lanigan, MD
- C025** Functional Correlates of Change in Voice Range in Patients with Unilateral Vocal Fold Paralysis  
Tuan-Jen Fang, MD
- C026** Fungal Laryngitis in Immunocompetant (IC) Individuals- Not So Uncommon  
Nupur Kapoor Nerurkar, MD (ENT)
- C027** High Intraoperative Endotracheal Tube Cuff Pressures - Incidence and Clinical Impact  
Abie Mendelsohn, MD
- C028** Histone H3.3 Expression Provides Long-Term Engraftment Expansion of Adipose Mesenchymal Stem Cells in a Rabbit Model of Medialization Laryngoplasty  
Stephen Voss, BS, MS
- C029** Injectable Silk Protein Microparticle-based Fillers for Treatment of Glottic Insufficiency  
Thomas L Carroll, MD
- C030** Inverted Schneiderian Papilloma of the Larynx: Case Report  
Robert Saddawi-Konefka, PhD
- C031** Laryngeal Abscess Formation in an Immunosuppressed Patient  
Derek Vanhille, MD
- C032** Laryngeal Pilar Cyst Masquerading as an Internal/ External Laryngocele  
Christine M Kim, MD
- C033** Lowering Pitch in Transgender Male with Onabotulinum Toxin A  
Selina Xu, MD

# ALA POSTERS

- C034** Medialization Laryngoplasty in the Elderly  
Ramez HW Philips, BS
- C035** Mesenchymal Stem Cell Conditioned Media Inhibits TGF- $\beta$  Signaling in Vocal Fold Fibroblasts  
Nao Hiwatashi, MD, PhD
- C036** Mitigating Risk in Surgical Treatment of Adductor Spasmodic Dysphonia: Unilateral vs Bilateral vs "Staged-Bilateral" Approaches in Selective Laryngeal Adductor Denervation-Reinnervation  
Michael A Holliday, MD
- C037** Morbidity and Mortality Associated with Preclinical Tracheostomy Models  
Gregory R Dion, MD
- C038** Mucosal Bridges (MB) -3 Variants Proposed  
Nupur Kapoor Nerurkar, MD (ENT)
- C039** Nothing to Sneeze At: An Etiological Analysis of Laryngeal Fracture Following an Episode of Sneezing  
Michael Li, BA
- C040** Obstructive Sleep Apnea Due to Acquired Adult Laryngomalacia: A Literature Review and Case Report  
Lucas Harless, MD
- C041** Perceptions of the Laryngology Match: A Survey of Program Directors and Recent Trainees  
Katherine C Yung, MD
- C042** Preliminary Experience of Using Peak Plasmablade to Remove Distal Tracheal Granulation in Patients After Tracheostomy  
Wan-Ni Lin, MD
- C043** Presbylarynx or Pathologic Presbyphonia: What Distinguishes an Aging Voice from a Pathologic Condition  
Brianna Crawley, MD
- C044** Prevailing Attitudes Regarding Vocal Fold Atrophy Among Practicing Laryngologists  
Priya Krishna, MD, MS
- C045** Quality of Life Metrics as Predictors of Disease Severity in Subglottic Stenosis  
Matthew R Naunheim, MD, MBA
- C046** Quantitative Second Harmonic Generation Imaging of Vocal Fold Collagen Composition in Rabbit, Canine, and Pig Models  
Erin E Devin, PhD
- C047** Smad3 Expression and Regulation of Fibroplasia in Vocal Fold Injury  
Nao Hiwatashi, MD, PhD
- C048** Spasmodic Dysphonia: A Review of the Etiology and Diagnosis  
Justin M Hintze, MB, BCh, BAO, MSc
- C049** The Innovative Voice Analyzer (VA) Smartphone Software Program for Quantitatively Analyzing Voice Quality  
Tsuoyoshi Kojima, MD, PhD
- C050** The Distribution of Recurrent Respiratory Papillomatosis in a Previously Untreated Cohort  
Peter A Benedict, BA
- C051** The Management of Intubation Granuloma in the Pediatric Population: A Case Series  
Naomi Will, DO
- C052** The Role of CT Imaging in Predicting Surgical Outcome for Adult Deep Neck Space Abscess  
Li-Jen Hsin, MD
- C053** The Role of Dynamic Computerized Tomography in Revision Medialization Thyroplasty  
Richard Townsley, BSc, MBBS
- C054** The Saline Challenge: A Test of Vocal Fold Injection Augmentation Outcome  
Rachel Kaye, MD
- C055** Tolerability of Laryngeal Electromyography  
Ashley P O'Connell Ferster, MD
- C056** Transoral Injection Laryngoplasty Using Modified Guedel Oral Airway  
Abdul-Latif Hamdan, MD, EMBA, MPH
- C057** Treatment Outcomes of In-Office KTP Ablation of Vocal Fold Granulomas  
Laura Dominguez, MD
- C058** Utility of an Anchored VHI-10 to Measure Clinical Change: A Prospective Study  
Hailun Wang, MD
- C059** Vocal Fold Immobility After Liver Transplant  
Sarah Gitomer, MD
- C060** Vocal Fold Paralysis (VFP) Injury After Cervical Rhizotomy  
Hailun Wang, MD
- C061** Voice and Glottic Gap Outcomes in Unilateral Vocal Fold Paralysis Treated with Medialization Laryngoplasty with and without Arytenoid Adduction  
Joseph Chang, MD
- C062** Volumetric Analysis of Vocal Fold Atrophy Via Magnetic Resonance Imaging  
Sandra Saint-Victor, MD



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## ARS POSTERS

1<sup>st</sup> COMBINED POSTERS: ABEA • AHNS • ALA • ARS

- D001** A Case of Indolent Sinonasal Melanoma in the Setting of Atypical Pigmentation  
Benjamin Addicks, MD
- D002** A Critical Evaluation of the Validity of Casts for In Vitro Evaluation of Locally Acting Nasally Administered Drug Products  
Per Djupesland, MD, PhD
- D003** A Nationwide Perspective of Pediatric Invasive Fungal Sinusitis: Perioperative Complications and Outcomes  
Curtis Hanba, BS
- D004** A Needle in a Haystack: Endoscopic Removal of a Foreign Body from the Infratemporal Fossa  
Khrystyna Ioanidis, BSCh
- D005** A Novel Presentation of Sinonasal Phosphaturic Mesenchymal Tumor: Case Report and Review of the Literature  
Brandon Peine, BS
- D006** WITHDRAWN
- D007** A Population-based Analysis of Nodal Metastases in Esthesioneuroblastomas of the Sinonasal Tract  
Edward Kuan, MD
- D008** A Rare Case of Adenocarcinoma of Unknown Origin of the Clivus  
Mahmoud Awad, MD
- D009** A Single-Institution Review of Revision Cerebrospinal Fluid Leak Repairs: Clinical Outcomes  
Sarah Kidwai, MD
- D010** A Systematic Review of Medical Therapy for Epistaxis in Hereditary Hemorrhagic Telangiectasia  
Ashleigh Halderman, MD
- D011** Adjunctive Pain and Anxiety Management for Office-Based Rhinology Procedures  
Michael Marino, MD
- D012** Adverse Effects of Intranasal Steroids on Intraocular Pressure: A Systematic Review  
Evan Somers, MD
- D013** Adverse Events from Balloon Sinus Dilation  
Peter Svider, MD
- D014** Adverse Events from Implantable Sinus Stent Devices  
Michael Bobian, BS
- D015** Aerd Associated Eosinophilic Otitis Media: Is There Increased Severity of Comorbid Disease?  
Ryota Kashiwasaki, MD
- D016** Air Pollution and Chronic Rhinosinusitis: Are There Modifiable Risk Factors for Disease Expression?  
Leila Mady, MD, PhD, MPH
- D017** An Endoscopic, Transnasal Resection of a Tubercular Meningioma with Nasoseptal Flap Reconstruction in a Patient with HHT: A Case Report  
Christoph Prummer, MD
- D018** An Ergonomical Assessment of Operating Table and Surgical Stool Heights for Seated Otolaryngology Procedures  
Philip Chen, MD
- D019** Anatomic Quantification of Nasal Cavity and Olfactory Cleft in Chronic Rhinosinusitis with and without Olfactory Dysfunction  
Tracy Cheng, AB
- D020** Are Multiple Cultures Necessary During Sinus Surgery for Chronic Rhinosinusitis?  
Craig Miller, MD
- D021** Bacterial Colonization of Nasal Drug Delivery Devices for Chronic Rhinosinusitis and the Utility of Nozzle Sterilization Techniques  
Joel Franco, MD
- D022** Balanced Orbital Decompression with En Bloc Lateral Wall Resection and Endoscopic Medial Wall Decompression in Patients with Thyroid Eye Disease  
Alexander Limjuco, MD
- D023** B-cell Lymphoblastic Lymphoma of the Skull Base in a Pediatric Patient  
Dominic Catalano, BS
- D024** Bilateral Sinonasal Lymphoma in the Absence of a Solitary Lesion: Case Report and Review of Literature  
Laura Garcia-Rodriguez, MD
- D025** Case Report: Inferior Meatus Fungal Ball  
Guanning Lu, MD
- D026** Case Report: Magnetic Foreign Bodies Embedded in the Septum Discovered During MRI  
Sara Gallant, MD
- D027** Causes of Death and Survival Time in Acute Invasive Fungal Sinusitis  
Carol Yan, MD
- D028** Central Compartment Atopic Disease  
Patricia Loftus, MD
- D029** Chronic Rhinosinusitis with Nasal Polyps Have Two Distinct Gene Expression Profiles  
Tsunehisa Nakayama, MD
- D030** Chronic Sinusitis Associated with Zygomatic Implants: A Case Series and Review of the Literature  
Amit Arunkumar, BA
- D031** Chronic Sphenoiditis with Deep Neck Space Extension: Case Report with Review of the Literature and Postulated Mechanisms for Extracranial Extension  
Isolina Rossi, MS3

# ARS POSTERS

- D032** Combined Lid Crease and Endoscopic Approach – A Viable Approach for Lateral Frontal Sinus and Orbital Disease  
Alexander Limjuco, MD
- D033** Community-Acquired Methicillin-Resistant Staphylococcus Aureus Abscesses of the Nose: Comparing Populations at a Community Hospital and Tertiary Hospital in a Major City  
Wesley Davison, MD
- D034** Comprehensive Literature Review and Improved Classification System to Better Understand and Treat Barosinusitis  
Reza Vaezeafshar, MD
- D035** Correlations Between Cystic Fibrosis Genotype and Sinonasal Disease Phenotype in Patients with Chronic Rhinosinusitis  
Waleed Abuzeid, MD
- D036** Cox-2 Overexpression in Primary and Recurrent Inverted and Oncocytic Schneiderian Papillomas  
Elisabeth Ference, MD, MPH
- D037** Crs and Immunosuppression Suppressants Agents  
Yun Johanna, BA
- D038** Delivering Solutions to the Anterior Ethmoid Region: Evaluation of a Lacrimal Diversion Device in a Cadaver Model  
Bobby Tajudeen, MD
- D039** Development of a 3d Printed Skull Base Task Trainer for Teaching Extended Endoscopic Sinonasal Approaches  
Brian Cervenka, MD
- D040** Developmental Anomaly – A Duplicate Fronto-Ethmoidal Sinus Complex  
Jia Hui Jang, MD
- D041** WITHDRAWN
- D042** Ectopic Olfactory Neuroblastoma: Systematic Review and Report of New Case  
Lindsay Yang, BA
- D043** Effects of an Exercise Program on Olfaction in Patients with Alzheimer's Disease  
Vidur Bhalla, MD
- D044** Efficacy of Transnasal Endoscopic Dacryocystorhinostomy with Ultrasonic Bone Aspirator in Revision Dacryocystorhinostomy  
David Hsu, MD
- D045** Endoscopic “Puncture and Dilate” Hybrid Frontal Sinusotomy Technique for Type 3 Frontal Cell Excision  
Thomas Higgins, MD, MSPH
- D046** Endoscopic “Unzip” Frontal Sinusotomy Technique for Excision of Type 3 Frontal Cells  
Thomas Higgins, MD, MSPH
- D047** Endoscopic Approaches for Intraorbital Dissection  
Christopher Brook, MD
- D048** Endoscopic Decompression of Pott’s Puffy Tumor in an Adult  
Lilun Li, MD
- D049** Evaluating Simulator-Based Teaching Methods for Endoscopic Sinus Surgery  
Nathan Lindquist, MD
- D050** Evaluation of Patient Nasal Saline Irrigation Practices Following Endoscopic Sinus Surgery and its Effects on Short-Term Outcomes  
Frederick Yoo, MD
- D051** Evolution of the Endoscopic Modified Lothrop Procedure in Frontal Sinus Disease: A Systematic Review and Meta-analysis  
Liang-Chun Shih, MD
- D052** Extranodal Natural Killer/T-Cell Lymphoma Presenting with Dacryocystitis: A Case Report and Review of Literature  
Zhong Zheng, MD
- D053** Feasibility, Cost, and Anatomic Accuracy of 3d Printed Paranasal Sinus and Skull Base Model  
Tsong-yen Hsieh, MD
- D054** Fibrous Dysplasia of the Lateral Nasal Wall Presenting as Inferior Turbinate Hypertrophy  
Joseph Capo, MD
- D055** Idiopathic CSF Oculorrhea: An Unusual Case Report  
Anchal Duggal, Doctor
- D056** Incidence and Survival of Sinonasal Adenocarcinoma: Analysis by Site and Histologic Subtype  
Suat Kilic, BA
- D057** Incidence of Sphenoid Mucocoeles After Endoscopic Transsphenoidal Approach with Sphenoid Obliteration  
Katelyn Stepan, MD
- D058** Infective Organisms in Chronic Rhinosinusitis with Nasal Polyps  
Abdullah Albader, MD
- D059** Invasive Fungal Sinusitis After Maxillary Sinus Inverted Papilloma Resection  
Sarah Kidwai, MD
- D060** Itraconazole in Refractory Chronic Rhinosinusitis with Nasal Polyposis: A Retrospective Review  
Vanessa Stubbs, MD
- D061** Long-Term Follow Up of Patients Undergoing 3 vs. 6 Weeks of Antibiotic Therapy for Chronic Rhinosinusitis  
Katherine Adams, BS
- D062** Lower Scores on Preoperative Snot-22 Evaluation Does Not Necessarily Imply Lack of Benefit from Endoscopic Sinus Surgery  
Christopher Ito, MD
- D063** Malignancies as a Surprising Result of Fess in an Italian Tertiary Care Center  
Stefano Millarelli, MD
- D064** Management of Epistaxis in Patients with Ventricular Assist Device  
Clifford Brown, MD
- D065** Management of Odontogenic Cysts by Endonasal Endoscopic Techniques: A Systematic Review and Case Series  
Michael Marino, MD
- D066** Management of Pediatric Chronic Rhinosinusitis: Comparisons of Practice Patterns Between the American Rhinologic Society and the American Society of Pediatric Otolaryngology  
Daniel Beswick, MD

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## ARS POSTERS

1<sup>st</sup> COMBINED POSTERS: ABEA • AHNS • ALA • ARS

- D067** Mapping and Comparing Fungal Microbiota in the Sinonasal Cavity of Healthy, Allergic Rhinitis, and CRS Subjects  
Devyani Lal, MD
- D068** Morphometric Analysis of Pyriform Aperture Width and its Correlation with Age, Sex, Race, BMI and Post-Operative Nasal Obstruction Score  
Yue Ma, MD
- D069** Morphometric Analysis of the Orbital Process of the Palatine Bone and its Relationship to Endoscopic Orbital Apex Surgery  
Sarina Mueller, MD
- D070** Mucosal Magnetic Resonance Characteristics in the Post-Tumour Sinonasal Cavity  
Ian Matchett, BMed
- D071** Navigate 1: EDS-FLU (Exhalation Delivery System for Fluticasone) for Symptoms of CRSWNP (Chronic Rhinosinusitis with Nasal Polyps)  
Joseph Han, MD
- D072** Necrotizing Sinonasal Gangrene in a Patient with Intranasal Opioid Abuse  
Matthew Kim, MD
- D073** Neurovascular Sequelae of Invasive Fungal Sinusitis  
Daniel Carlton, MD
- D074** New Insights into Predictors of Survival for Sinonasal Melanoma  
Edward Kuan, MD
- D075** Non-Intestinal Type Sinonasal Adenocarcinoma: A Case Report and Review of the Literature  
Stephen Hernandez, MD
- D076** Nose and Tongue: Bitter Taste Receptor mRNA Expression in Nasal and Fungiform Papillae Biopsy  
Jennifer Douglas, BA
- D077** Nose Blowing After Sinus Surgery Does Not Adversely Affect Outcomes  
Noel Ayoub, BS
- D078** Optimization of Intranasal Drug Deposition in Postoperative Sinuses of Patients with Chronic Rhinosinusitis  
Raewyn Cavubati
- D079** Optimizing Cell Harvest from Nasal Brushings for Determining Local Allergy Responses  
Erin Saricilar, Mr
- D080** Orbital Apex Syndrome Following Expanded Endonasal Resection of Infraselar Craniopharyngioma  
Catherine Lumey, MD
- D081** Orbital Subperiosteal Hematoma, A Rare Complication of Pediatric Acute Rhinosinusitis  
Joseph White, MD
- D082** Outcomes and Algorithms for Contemporary, Endotype-Directed Therapy for Chronic Rhinosinusitis  
Amar Miglani, MD
- D083** Outcomes of Endoscopic Septoplasty without the use of Postoperative Packing or Splinting  
Mary Worthen, MD
- D084** Outcomes of the Endoscopic Modified Lothrop Procedure Following Failure of Primary Functional Endoscopic Sinus Surgery: A Meta-Analysis  
Christina Fang, MD
- D085** Outfracture: Managing the Recalcitrant Turbinate in the Office Based Setting  
Charles Hurbis, MD
- D086** Perception of Empty Nose Syndrome and its Impact on Inferior Turbinate Management: Survey of Attendees of the American Rhinologic Society Meeting at AAO  
Andrew Thamboo, MD, MHSc
- D087** Polypoid Change of the Middle Turbinate and Paranasal Sinus Polyposis are Distinct Entities  
Jacob Brunner, MD
- D088** Posterior Inferior Turbinate Hypertrophy (PITH): A Role in Postnasal Drip  
Edward McCoul, MD, MPH
- D089** Post-Transplant Lymphoproliferative Disorder Presenting as Retropharyngeal Abscess  
Matthew Kim, MD
- D090** Practice Patterns in Office-Based Rhinology: Survey of the American Rhinologic Society  
Jivianne Lee, MD
- D091** Predictors of Unanticipated Admission Within 30 Days of Outpatient Sinonasal Surgery  
Isabelle Gengler, MD, MS
- D092** Prevalence and Burden of Rhinitis Medicamentosa in a Tertiary Rhinology Setting  
Colin Fuller, MD, MS
- D093** Prevalence of Frontal Cells According to the International Frontal Sinus Anatomy Classification (IFAC)  
Garret Choby, MD
- D094** Prevention of Epistaxis and Preservation of Olfactory Function Utilizing Bilateral Mucosal Preserving Nasoseptal Rescue Flap Approach in Skull Base Surgery: Prospective Analysis and Update  
Chester Griffiths, MD

# ARS POSTERS

- D095** Primary Ciliary Dyskinesia: Management of Chronic Rhinosinusitis in the Adult Population  
Jacob Brunner, MD
- D096** Probiotic Sinus Irrigations Side Effects in Patients with Refractory Chronic Rhinosinusitis  
Omar Ahmed, MD
- D097** Quality and Readability of Online Rhinology Information by Internet Source  
Farshad Chowdhury, MD
- D098** Radiologic Phenotype of Chronic Rhinosinusitis with Atopic Predisposition  
Aneeza Hamizan, MD
- D099** Recurrent Nasal Polyposis in Cystic Fibrosis Treated with Propel Implants: A Case Report  
Mark Frilling, MS
- D100** A Rare Sphenoid Sinus Meningioma  
Mark Frilling, MS
- D101** Relationship Between Specific Atopic Diseases and In-Vitro Allergen Tests  
Michael Benninger, MD
- D102** Relationship of Peripheral Blood Eosinophilia to Computed Tomographic Findings of Middle Ear and Sinus Disease in Asthmatic Patients  
Terence Zimmermann, MD
- D103** Research Meteorological Environmental Factors and  $\text{I}\lambda\text{N}^{\text{1}}\text{-4}$  Dna Methylation In  $\text{CD4}^{+}$  Cells from Patients with Ar Children  
Youjin Li, MD
- D104** Retrieval of Displaced Dental Implants from the Maxillary Sinus: Endoscopic vs Open Approach  
Sheran Seneviratne, MBBS
- D105** Sellar Abscess Following Endoscopic Sinus Surgery: A Case Series  
Sanjeet Rangarajan, MD
- D106** Short-Term Morbidity Following Endoscopic Modified Lothrop (DRAF III) Frontal Sinus Surgery Compared To Endoscopic Frontal Sinusotomy (DRAF IIA)  
Aria Jafari, MD
- D107** Silent Sinus Syndrome After Facial Trauma: A Case Report and Systematic Review  
Rakhna Araslanova, MD
- D108** Single Institution Outcomes Following Resection of Skull Base Esthesioneuroblastomas with Extended Follow-Up  
Andrew Holcomb, MD
- D109** Sinonasal Correlates of Infrasellar Giant Pituitary Adenomas  
Karam Badran, MD
- D110** Sinonasal Epithelial-Myoepithelial Carcinoma: A Case Report of a Novel Subsite and Review of the Literature  
Theodore Schuman, MD
- D111** Sinonasal Osteoblastoma: Pre-Operative Radiologic Diagnosis  
Philip Locker, BA
- D112** Sinus Pneumatization in Primary Ciliary Dyskinesia  
Adam Kimple, MD/PhD
- D113** Skull Base Regeneration After Chemoradiation in Nasopharyngeal Carcinoma  
Kelly Moyer, MD
- D114** Strategic Placement of Frontal Sinus Trephination with Endoscopic Treatment for Endonasally Inaccessible Frontal Sinus Mucocoeles  
Thomas McKnight, MD
- D115** Surgical Management of Inferior Turbinate Hypertrophy: An Evidenced-Based Review and Recommendations  
Andrew Thamboo, MD, MHSc
- D116** Surgical Management of Silent Sinus Syndrome: When is Orbital Floor Reconstruction Necessary?  
Jay Agarwal, MD
- D117** Survey of Endoscopic Skull Base Surgery Practice Patterns Among Otolaryngologists  
Todd Wannemuehler, MD
- D118** Synchronous Inverted Papilloma and Recurrent Respiratory Papillomatosis: Case Report and Review of the Literature  
Jeremie Oliver, BA, BS



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## ARS POSTERS

1<sup>st</sup> COMBINED POSTERS: ABEA • AHNS • ALA • ARS

- D119** Synchronously Occurring Exophytic and Inverted Schneiderian Papillomas  
Kevin Choi, MD, MS
- D120** The Condemned Sinus: Natural Disease or Surgical Sequella?  
Edward McCoul, MD, MPH
- D121** The Effectiveness of Topical Silver Colloid in Treating Patients with Recalcitrant Chronic Rhinosinusitis  
John Scott, MD
- D122** The Efficacy of Topical Intranasal Dexamethasone Versus Fluticasone In Patients with Chronic Rhinosinusitis with Nasal Polyps Following Surgery  
Stephanie Cipta, MD
- D123** The Impact of Anti-ige Monoclonal Antibody Therapy in Aspirin Exacerbated Respiratory Disease  
Jonathan Yip, MD
- D124** The Presence of Anatomic Variants are Associated with Worse Sinonasal Symptoms in Patients with Chronic Rhinosinusitis  
Thomas Holmes, BS
- D125** The Role of Sinus Cultures in Children with Blood or Marrow Transplants  
Anatoli Karas, MD
- D126** The Role of Statins in CRS Presentation and Surgical Severity  
Jarrett Walsh, MD, PhD
- D127** The Role of the Osteomeatal Complex in Chronic Rhinosinusitis: An Anatomic Study of Maximal Medical Therapy  
Satyan Sreenath, MD
- D128** The Snot-Nose Assessment in Endoscopic Sinus Surgery  
Charles Riley, MD
- D129** Three Year Review of Chronic Rhinosinusitis Microbiome Using DNA Analysis  
Brittany Dobson, MD
- D130** Time, Not Supply or Resident Involvement, is the Greatest Driver of Cost Variability in Septoplasty with Inferior Turbinate Surgery  
Nicholas Quinn, MD
- D131** Transoral Finger-Retractor for Endonasal Endoscopic Resection of Masseteric and Buccal Space Lesions  
Qasim Husain, MD
- D132** Treatment of Oral Telangiectasia with Sodium Tetradecyl Sulfate – A Novel Use  
Dennis Tang, MD
- D133** Unilateral Abducens Nerve Palsy Secondary to Sphenoid Sinus Fungal Ball  
Caroline Rieger, MD
- D134** Using Fixed Bony Landmarks to Identify the Anterior Aspect of the Olfactory Fossa  
Zaahir Turfe, MD
- D135** Validation of Perfusion-based Human Cadaveric Simulation Training for Carotid Artery Injury in Endoscopic Sinus and Skull Base Surgery  
Jasper Shen, MD





# 2<sup>nd</sup> COMBINED POSTERS

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2<sup>nd</sup> COMBINED POSTER RECEPTION

**AAFPRS • ANS • AOS • TRIO**

Friday, April 28 • 5:30 pm – 7:00 pm

Grand Hall A-D and Grand Hall Foyer

## AAFPRS POSTERS

- E001** Nasal Obstruction in the Veteran Patient – Role for Open Functional Septorhinoplasty  
Julia Toman, MD
- E002** Repair of Nasal Septal Perforation: Our Experience with the Endonasal Approach  
William W Thomas, MD
- E003** Endoscopic Browlift is Safe in Combination with Concurrent Blepharoplasty  
Akshay Sanan, MD
- E004** Motor vs Sensory Nerve Grafts in a Rat Model of Facial Reanimation  
Andrew J Rosko, MD
- E005** The Negative Impact of Thyroid-Associated Orbitopathy on Social Perception  
Andrew W Joseph, MD, MPH
- E006** Transconjunctival Approach for Insertion of Eyelid Weights in the Management of Facial Nerve Paralysis: A Novel Technique  
Ashley J Guthrie, MD
- E007** Management of Concave Lateral Crura Deformity: Stable Reconstruction with the Butterfly Graft  
Brittany Howard, MD
- E008** Motor and Sensory Morbidity Associated with the Anterolateral Thigh Perforator Free Flap  
Christopher W Noel, MD
- E009** Facial Island Flaps in Upper Lip And Nasal Reconstruction  
Conor Devine, MD
- E010** Anterior Septal Transplant: A Durable and Cartilage-efficient Technique for the Modified Extracorporeal Septoplasty  
Deniz Gerecci, MD
- E011** Patient Reported Nasal Obstruction After Septorhinoplasty: How Long Should We Follow the Scores?  
Deniz Gerecci, MD
- E012** Virtual Surgery for the Nasal Airway: A Preliminary Report on Decision Support and Technology Acceptance  
Derek L Vanhille, MD
- E013** Creating High Value in Ambulatory Surgery Centers Through Process Management Automation  
Ellis M Knight, MD, MBA
- E014** Reconstruction of a Full Thickness Oral Commissure Defect Using the Temporoparietal Fascia Flap  
Erik T Interval, MD
- E015** Composite Grafting and Cartilaginous to Cutaneous Ratio in a Rabbit Model  
G Nina Lu, MD
- E016** Facial Trauma Simulation Course: Worth One Year of Residency Experience  
Garth F Essig, Jr, MD
- E017** When Less is More: Reconstruction of Full thickness Nasal Alar Defects with a Delayed Hinge Flap Paired with Helical Root Composite Graft  
Gita M Fleischman, MD
- E018** Caucasians Display Preferential Attention Towards Racially Congruent Faces Regardless of Nasal Deformity  
Halley M Darrach, BS
- E019** Readability of Online Materials Related to Chin Implant  
Hani Rayess, MD
- E020** Search Engine Optimization: What Makes a Top 10 Website on Google?  
Hani Rayess, MD
- E021** Quantitative Analysis of the Anterior, Inferior, and Posterior Nasal Septal Angles and L-Strut Arcs with Their Surgical Implications  
Jared Inman, MD
- E021** The Impact of Rhinoplasty on Social Perceptions: Correcting Nasal Deformity Improves Perceived Attractiveness, Success, and Overall Health  
Jason C Nellis, MD
- E023** Reconstruction of Maxillary Defect Secondary to Intraosseous Hemangioma Resection with Osteofascial Radial Forearm Free Flap  
Jeffrey Johnson, MD
- E024** Otorhinolaryngologic Manifestations of Hartsfield Syndrome: Case Series and Review of Literature  
Jeremie D Oliver, BS, BA
- E025** Telecanthus Repair: A Comparison of Traditional Transnasal Wiring and Plate Reconstructive Techniques to Restore Medial Canthal Position  
Jigar Sitapara, MD
- E026** The MicroRNA Methylome Landscape in Keloid Pathogenesis  
Joanna Kam, MD
- E027** Endoscopic Assisted Repair of Zygomaticomaxillary Complex Fractures Using An Extended Upper Lid Blepharoplasty Approach  
Jonathan C Garneau, MD
- E028** A New Landmark to Assist in Orbital Floor Fracture Repair  
Julian Amin, MD
- E029** Complicated Septorhinoplasty in Fibrous Bony Dysplasia: A Case Report and Literature Review  
Justin Shinn, MD

# 2<sup>nd</sup> COMBINED POSTERS

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**AAFPRS • ANS • AOS • TRIO**

Friday, April 28 • 5:30 pm – 7:00 pm

Grand Hall A-D and Grand Hall Foyer

### AAFPRS POSTERS

- E030** Cleft Palate Width and Correlation with Postoperative Palate Length Following Furlow Double- Opposing Z-Plasty Palatoplasty  
Kathleyn Brandstetter, MD
- E031** Facial Rejuvenation: Society Perceives Benefits Beyond Restoring Youth  
Kristin L Bater, BA
- E032** Societal Valuation Supports Rehabilitative Surgery for Thyroid-Associated Orbitopathy  
Kristin L Bater, BA
- E033** Zygomaticomaxillary Complex-Orbit Fracture Alignment: Comparison of Buccal and Orbital Approach Techniques  
Meryam Shikara, MD
- E034** Open Septorhinoplasty Outcomes in Patients with and without Allergic Rhinitis  
Mofiyinfolu Sokoya, MD
- E035** Reliability of Oral Strength Measurements Using Pressure Instruments and Their Application in the Objective Assessment of Labial Strength in Facial Paralysis  
Monirah Albathi, MD
- E036** WITHDRAWN
- E037** A Rare Case of Isolated Frontal Sinus Fracture in an Adult Male with Osteogenesis Imperfecta  
Patrick Ross Owens, MD
- E038** Dorsal Height Augmentation Utilizing Autologous Pedicled Nasal Tip Fibrofatty Lobule in African American Rhinoplasty  
Pedram Daraei, MD
- E039** Imaging of the Internal Nasal Valve in Rhinoplasty Using Long-Range Fourier Domain Optical Coherence Tomography  
Prem B Tripathi, MD, MPH
- E040** Comparison of the Synthes matrixWAVE System and Erich Arch Bars for Maxillomandibular Fixation  
Rachel Regone, MD
- E041** WITHDRAWN
- E042** Complex Facial Reconstruction in a Refugee Population: One Team's Experience on a Humanitarian Mission to the Syria-Turkey Border  
Robert Deeb, MD
- E043** The Pedicled Split Thickness Skin Graft in Radial Forearm Free Flap Donor Site Closure  
Robert M Brody, MD
- E044** Biomechanics of Orbital Floor Fractures  
Sagar Patel, MD
- E045** Reconstruction of the Nasal Ala with the Composite Lock-In Graft  
Sarah E Hodge, MD
- E046** The Impact of Anterior Septal Reconstruction on Lateral Wall Insufficiency  
Shannon F Rudy, MD
- E047** Grecian Urn Submentoplasty in the Female Patient: Our Experience and a Review of the Literature  
Stephen Nogan, MD
- E048** Validating the PGS Staging System for Revision Rhinoplasty  
Sunthosh Sivam, MD
- E049** Changes in Nasal Rotation over Time: Analysis of the Columellar-Philtral Angle After Rhinoplasty  
Tara E Brennan, MD
- E050** Addressing the Large Nasal Septal Perforation with a Pedicled Temporoparietal Fascia Flap: A Reliable and Aesthetically Appealing Approach to Nasal Reconstruction  
Tara E Brennan, MD
- E051** Radiographic Swallow Evaluation for the Detection of Fistula Formation in Laryngopharyngectomy Reconstruction  
Timothy Ortlip, MD
- E052** Osseous Changes over Time in Free Fibular Flap Reconstruction in the Head and Neck  
Tom Shokri, MD
- E053** Giant Frontal Osteoma  
Tuan Ngo, BS
- E054** Costal Cartilage Lateral Crural Strut Graft for Correction of External Nasal Valve Dysfunction in Primary and Revision Rhinoplasty  
Victoria B Givens, MD
- E055** Reconstruction of the Anterior Plate of the Frontal Sinus with an Alloplastic Biopolymer Implant  
Waleed Ezzat, MD, FACS
- E056** Comprehensive Rehabilitation after Full Face Transplantation: A Case Report  
Matina Balou, PhD, CCC-SLP

2<sup>nd</sup> COMBINED POSTERS: AAFPRS • ANS • AOS • TRIO

# ANS POSTERS

- F001** Cost-Effective MRI Screening for Acoustic Neuromas in Patients with Asymmetric Hearing Loss  
Matthew G Crowson, MD
- F002** Prevalence of Hearing Impairment and Hearing Care Utilization Among Asian Americans  
Janet S Choi, MD, MPH
- F003** WITHDRAWN
- F004** Exclusive Transcanal Endoscopic Ear Surgery for Excision of a Facial Nerve Hemangioma with Interposition Nerve Grafting: A Case Report  
Cameron C Wick, MD
- F005** Dizziness in Vestibular Schwannoma Patients Due to Underlying Comorbidities  
Yarah M Haidar, MD
- F006** The Effect of Citalopram Versus a Placebo on Central Auditory Processing in the Elderly.  
Jose Fernando Polanski, MD
- F007** Use of Positive Airway Pressure following Middle Ear Surgery: A Practice Survey of Otologists  
Douglas S Ruhl, MD
- F008** Epidemiology of Dizzy Patient Population in a Neurotology Clinic and Predictors of Peripheral Etiology  
Thomas Muelleman, MD
- F009** An Analysis of Safety and Adverse Events following Cochlear Implantation in Syndromic Children  
Vijay A Patel, MD
- F010** Publishing Trends in Otology and Neurotology  
Ryan Boerner, MD
- F011** Bilateral Bifurcation of the Vertical Facial Nerve Segments in an Asymptomatic Patient  
Spencer E Lindsey, MD
- F012** Decreased Percutaneous Threshold of Facial Nerve Stimulation Predicts Facial Canal Dehiscence  
Patricia Johnson, MD
- F013** Serum Levels of Prestin in a Mouse Model of Cisplatin Ototoxicity  
Benjamin Liba
- F014** Mastoid and Inner Ear Measurements in Patients with Ménière's Disease  
Eric M Sugihara, DO
- F015** Hearing Preservation after Cochlear Implantation and Administration Different Models Steroid Therapy  
Piotr H Skarzynski, MD, PhD
- F016** Forward Masking of the Speech-Evoked Auditory Brainstem Response  
Sarah E Hodge, MD
- F017** Prevalence of Extracochlear Electrodes: CT Scans, CI Maps, and Operative Reports  
Jourdan T Holder, AuD
- F018** Vestibular Preservation after Cochlear Implantation with Modern Electrode Arrays  
Samuel J Trosman, MD
- F019** Everyday Listening Experience Does Not Improve Osseointegrated Device Performance in Single-Sided Deafened Individuals  
P Cody Buchanan, DO
- F020** Vestibular Rehabilitation Utilizing a Novel Palatal Alternative Sensory Feedback Device  
Benjamin F Erhardt, MD
- F021** Non-Contrast MRI for Monitoring of Patients with Acoustic Neuroma  
Mathieu Forgues, MD
- F022** Stratification of Presentation and Management of Encephaloceles by Etiology  
Maja Svrakic, MD
- F023** Assessment of Disruptive Behavioral Problems in Children with Hearing Loss  
Caitlin E Fiorillo, MD
- F024** Development of Bone Density of the Temporal Bone in Healthy Subjects  
Kuniyuki Takahashi, MD
- F025** Use of an Endoscope for Resection of Acoustic Neuroma through Middle Fossa Craniotomy  
Adam N Master, MD
- F026** The Combined Linguistic and Indexical Speech Perception Assessment (CLISPA): A Novel Measure of Speech Perception for Cochlear Implants  
Chad V Ruffin, MD
- F027** Environmental Sound Awareness Among Cochlear Implant Users and its Relationship to Spectral Resolution and Speech Perception Skills  
Michael S Harris, MD
- F028** Risk Factors of Recurrence in Pediatric Congenital Cholesteatoma  
Yuka Morita, MD, PhD
- F029** Fluoroscopy-Assisted Transnasal Onyx Occlusion of the Eustachian Tube for Lateral Skull Base Cerebrospinal Fluid Fistula Repair  
Neil S Patel, MD
- F030** Heat Shock Proteins in Human Perilymph  
Athanasia Warneke, MD
- F031** Multidisciplinary Management of Head and Neck Malignancies Involving the Lateral Skull Base  
Nauman Manzoor, MD
- F032** Single Stage Removal of Osseointegrated Implant and Insertion of Ipsilateral Cochlear Implant with Myofacial Temporalis Muscle Flap: A Novel Technique  
Michael F Foster, DO
- F033** 3D Reconstruction and Topographical Analysis of Human Cochlear Nucleus: Designing a Better Auditory Brainstem Implant Array  
Vivek V Kanumuri, MD
- F034** Cartilage or Abscess Found Instead of Cholesteatoma in Five Patients who Underwent Tympanomastoidectomy Following False Positive Non-Echo-Planar Diffusion-Weighted MR Imaging  
Alexander Sevy, MD

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### ANS POSTERS

- F035** Duration of Eligibility Prior to Cochlear Implantation: Have We Made Any Progress?  
Eric N Appelbaum, MD
- F036** WITHDRAWN
- F037** Hearing Outcomes After Stereotactic Radiosurgery for Glomus Jugulare Tumors  
Neil S Patel, MD
- F038** Endoscopic Infracochlear Approach for Drainage of Petrous Apex Cholesterol Granulomas: A Case Series  
Cameron C Wick, MD
- F039** The Effect of Materials Used for Superior Canal Dehiscence Repair on Inner-ear Pressures  
Deepa J Galaiya, MD
- F040** A Report of Two Distal AICA Aneurysms Presenting as IAC Masses. A Review of the Literature and Characteristic Radiologic Features  
Michael F Foster, DO
- F041** Safety of Intratympanic Fludrocortisone Injection in a Mouse Model  
George Kurien, MD
- F042** Ultra Long-Term Audiometric Outcomes in the Treatment of Vestibular Schwannoma with the Middle Cranial Fossa Approach  
Joseph P Roche, MD
- F043** Validation of a Subjective Visual Vertical Test App  
George Kurien, MD
- F044** Middle Ear Cancer in the American College of Surgeon's National Cancer Database  
Jason A Brant, MD
- F045** Radiosurgery of Glomus Tumors of Temporal Bone: a Meta-Analysis  
Omid Moshtaghi, BS
- F046** Vestibular Schwannoma Resection via Keyhole Retrosigmoid Craniotomy Approach  
Spencer Falcon, BS
- F047** Ultra-High Resolution MRI Aids in Treatment of Audiovestibular Symptoms in Patients with Acoustic Neuroma and Endolymphatic Hydrops  
Roxana Moayer, MD
- F048** Quantifying the Hair Cell and Neural Sources of ECochG Signals Recorded in Patients with ANSD Receiving a Cochlear Implant  
Tatyana E Fontenot, MD
- F049** The Pattern of Hearing Outcome Following Surgeries of the Semicircular Canals  
Amit Wolfovitz, MD
- F050** Recurrent Vestibular Migraine Vertigo Attacks Associated with the Development of Profound Bilateral Vestibulopathy: A Case Series  
Jacob L Wester, MD

### AOS POSTERS

- G001** Tumor-Penetrating Nanocomplexes for Delivery of Sirna Therapeutics to Human Vestibular Schwannomas  
Yin Ren, MD, PhD
- G002** Cochlear Implant Encoding Implications of Simulated Spiral Ganglion Neuron Pathology  
Jesse M Resnick
- G003** AzBio Speech Understanding Performance in Quiet and Noise in High Performing Cochlear Implant Users  
Jason A Brant, MD
- G004** Optimizing Auditory Performances and Programming Parameters with Scala Vestibuli Cochlear Implantation in Partially Ossified Cochleae  
Mathieu Trudel, MD
- G005** Do Adaptive Dual-Microphone Beamformers Improve Understanding Speech in Noise for Cochlear Implant Recipients and Bimodal Listeners?  
Richard K Gurgel, MD
- G006** Failure Rate in Pediatric Cochlear Implantation, and Hearing Results following Revision Surgery  
Philip Gardner, MD
- G007** Verbal Learning and Memory Abilities in Adults with Cochlear Implants  
Arthur Broadstock, BS
- G008** Sentence Recognition in Noise and Two-Talker Speech: Effects of Listener Age and Semantic Context  
Sarah E Hodge, MD

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# AOS POSTERS

- G009** Development and Preliminary Validation of the Speech Enjoyment Instrument (SEI): A Tool to Assess Speech Quality  
Stephanie Y Chen, BM
- G010** First Impressions Matter in Ménière's Disease: Observation from Early vs Late Head Thrusts  
Nicole T Jiam, BA
- G011** Heat Generated During Temporal Bone Drilling: Is the Facial Nerve at Risk?  
M Geraldine Zuniga, MD
- G012** Delineating Hearing Loss at Radiographic Diagnosis in EVAS (Enlarged Vestibular Aqueduct Syndrome)  
Nauman Manzoor, MD
- G013** Preoperative Imaging Findings and Cost in Adults with Postlingual Deafness Prior to Cochlear Implant  
C Scott Brown, MD
- G014** Evaluation of Trainee Drill Motion Patterns During Temporal Bone Simulation with 3D Printed Models  
Katrice E S Kazmerik, BScEng, BScMed
- G015** High-Fidelity 3-Dimensional Middle Ear Model for Stapedectomy Simulation  
Steven A Zuniga Jr, MD
- G016** Quality of Life following the Management of Paragangliomas of the Head and Neck  
Sean S Evans, MD
- G017** High-Fidelity Surgical Middle Ear Simulator: A Pilot Study  
Joshua P Wiedermann, MD
- G018** Anatomical Relationship of the Middle Cranial Fossa Dura to Surface Landmarks of the Temporal Bone  
Mohamed A Alhussaini, MD
- G019** Electrode Length and Long Term Hearing Preservation in Cochlear Implantation  
Joshua M Sappington, MD
- G020** Development and Validation of a Low-Cost Modular Endoscopic Ear Surgery Skills Trainer  
Matthew M Dedmon, MD, PhD
- G021** Self-Reported Executive Functioning and Sentence Recognition Skills in Postlingually Deafened Adult Cochlear Implant Users  
Tirth Patel, BS
- G022** How Often Do Cochlear Implants Move after Implantation?  
Yiyuan Zhao, MS
- G023** Hearing Impairment in Children with Congenital Hypothyroidism  
Kathryn L Kreicher, BA
- G024** Endolymphatic Sac Decompression with Intra-Sac Dexamethasone Injection in Meniere's Disease  
Dennis I Bojrab II, MD
- G025** Audiologic Findings in Patients with CT Evidence of Cavitory Cochlear Otosclerosis  
Thomas J Muelleman, MD
- G026** Longitudinal Analysis of Sound Exposure and Usage in Cochlear Implant Subjects Using Objective Data Logs: A Multicentered Study  
Justin S Golub, MD
- G027** Characterization of Patients Participating in a Staged Tinnitus Habituation Therapy Protocol  
Saikrishna C Gourishetti, BS
- G028** The Genetic Basis of Deafness in Populations of African Descent  
Jason R Rudman, MD
- G029** Does Intracochlear Electrocochleography during CI Electrode Insertion Predict Changes in Residual Hearing  
Brendan P O'Connell, MD
- G030** Impact of Patient Customized Cochlear Implant Insertion Plans on Final Intracochlear Position  
Robert F Labadie, MD, PhD
- G031** Effect of Total Malleus Removal on Cholesteatoma Recurrence and Hearing Outcomes  
Scott Shapiro, MD
- G032** WITHDRAWN
- G033** Expanding Indications for Bone Anchored Hearing Systems in Patients with Single-Sided Deafness  
Matthew M Dedmon, MD, PhD
- G034** Outpatient Management of Cholesteatoma with Canal Wall Reconstruction Tympanomastoidectomy  
Richard Kao, MD
- G035** Validity of Predicting Ossiculoplasty Prosthesis Size from High-Resolution CT and Cone Beam CT  
Brandon Kamrava
- G036** Resolution of Post-Stapedotomy Dizziness with Migraine Prophylactic Medication  
Hossein Mahboubi, MD
- G037** Results of Cochlear Implants for Acetaminophen Toxicity  
Jeffrey T Vrabc, MD
- G038** Longitudinal Tracking and Prediction of Sound Exposure and Usage in Hearing Aid Wearers Using Objective Data Logs  
John B Doyle, BA
- G039** Sequential Imaging in Patients with Suspected Meniere's Disease Demonstrates Endolymphatic Sac Tumors  
Elliott D Kozin, MD
- G040** A Systematic Review of the Sequelae of Antibiotics with or without Myringotomy versus Antibiotics and Mastoidectomy as Initial Treatment for Acute Mastoiditis  
Christian M Eisert, MD, MPH

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## TRIO POSTERS

### Allergy/Rhinology

- H001** Invasive Fungal Sinusitis in a Patient with Intranasal Opiate Abuse  
Suhyla Alam, MD
- H002** Prevalence of Clinically Significant Worsening After Endoscopic Sinus Surgery  
Adam S DeConde, MD
- H003** The Effects of Chronic Rhinosinusitis on Sniff Inspiratory Muscle Strength  
Dennis O Frank-Ito, PhD
- H004** Recovery in a Grave Case of Rhinocerebral Mucormycosis  
Edmund B Haywood, MD
- H005** Primitive Neuroectodermal Tumors (PNETs) of the Nose: A Case Report and a Literature Review  
Ahmed Awad Hussein, MD
- H006** Management Strategies for Recurrent Acute Rhinosinusitis  
Jiahui Lin, MD
- H007** A Multicenter Study on Endoscopic Management of Esthesioneuroblastoma  
Takayuki Nakagawa, MD, PhD
- H008** Seasonal Variation of Baseline Chronic Rhinosinusitis Symptomatology  
Katie M Phillips, MD
- H009** Malignant Fibrosarcoma of the Maxillary Sinus Masquerading as an Angioectatic Nasal Polyp: Case Report and Review of the Literature  
Jordan W Rawl, MD
- H010** Endoscopic Balloon Eustachian Tuboplasty (BET) for Treatment of Otitis Media with Effusion (OME) in Radiated Patients  
Reza Vaezeafshar, MD

- H011** Progression of a Frontal Sinus Pneumocele in a Patient with Recurrent Nasal Polyps  
Jason L Yu, MD

### Clinical Fundamentals/General

- H012** Allometric Quantification of Respiratory Minute Ventilation for Chronic Rhinosinusitis Subjects Using Body Mass  
Saikat Basu, PhD
- H013** The Use of Smartphone Adapters in Otolaryngology Residencies: A Survey of Program Directors  
Johnny P Mai, MD
- H014** Penetrating Pharyngeal Trauma: A Unique Case Presentation  
Carolyn A Brydon, MD
- H015** Quality of Preclinical Medical Student Otolaryngology Shadowing Experiences in the Operating Room  
Yi Cai, AB
- H016** MRSA Bacterial Laryngitis: A Chronic Problem  
Patrick S Carpenter, MD
- H017** A Diagnostic Dilemma: Sinonasal Intestinal Type Adenocarcinoma in a Patient with Peutz-Jeghers Syndrome  
Divya Aditi Chari, MD
- H018** Community Acquired Methicillin Resistant Staphylococcus Aureus Abscesses of the Head and Neck: Comparing Populations  
Wesley L Davison, MD
- H019** Patient Positioning During In-Office Otologic Procedures Impacts Physician Ergonomics  
William M DeMayo, BS
- H020** Zitches vs. Stitches in a Rodent Model  
Benjamin F Erhardt, MD

- H021** Standardized Recommendation Letters for OTO-HNS Residency: A Review  
Yaser Ghavami, MD

- H022** Validity of the Hum Test in Predicting Hearing Loss  
Yaser Ghavami, MD

- H023** WITHDRAWN

- H024** ANCA Positive Leukocytoclastic Vasculitis Presenting as Hypopharyngeal Mass  
Jessica B Howell, MD

- H025** Impact of a Novel Social Network Application to Enhance Resident Education in Otolaryngology  
Wayne D Hsueh, MD

- H026** Macrolide Associated Sensorineural Hearing Loss: A Systemic Review  
Anthony A Prince, MD

- H027** Impact of Humanitarian Experiences on Otolaryngology Trainees  
Aria H Jafari, MD

- H028** Fine Needle Aspiration Utilization in the Community Hospital Setting: A Quality Improvement Study  
Christopher R Kieliszak, DO

- H029** Survival for Lip Cancer: Europe vs. United States  
Sarah S Kilic, MA

- H030** Survival for Major Salivary Gland Cancer: Europe vs. United States  
Suat Kilic, BA

- H031** Cholesteatomas Arising from Misplaced Tympanomeatal Flap During Tympanoplasty  
Garrett D Locketz, MD

- H032** Survival for Thyroid Cancer in the 21st Century: Europe vs. United States  
Zachary S Mendelson, BS

# TRIO POSTERS

- H033** Intranasal Tissue Necrosis Associated with Oxycodone Abuse: A Case Report and Systematic Review  
Danielle A Morrison, BA
- H034** Two Cases of Unusual Cholesteatomas Involving the Facial Nerve  
Omid Moshtaghi, BS
- H035** Evaluating the Readability of Spanish Patient Education Materials in Otolaryngology  
Samih J Nassif, BS
- H036** Diagnosis of Bleeding Disorder After Ventilation Tube Placement  
Ashley P O'Connell Ferster, MD
- H037** Gastroesophageal Reflux as a Precursor to Nasopharyngeal Carcinoma and Sinonasal Malignancy in the United States  
Charles A Riley, MD
- H038** Trends in Ambulatory Otolaryngologic Surgery in the Era of the Affordable Care Act 2011-2015  
Joshua E Romero, MD
- H039** Management of Candida Parotitis with Abscess Formation Using VAC Therapy: A Rare Case and Review of the Literature  
Isaac L Schmale, MD
- H040** Pemphigus Vulgaris of the Upper Aerodigestive Tract  
Marissa A. Schwartz, MD
- H041** Sensitivity of Emergency Medicine Residents in Triage of Airway Pathology on Flexible Laryngoscopy  
Manan Udayan Shah, MD
- H042** Smartphone Telemedical ER Consults for BPPV: Proof of Concept and Cost Saving Potential  
Manan U Shah, MD
- H043** Elective Tracheostomy in a Second Trimester Pregnant Female with Subglottic Stenosis  
Karthik S Shastri, MD

- H044** Post-Obstructive Pulmonary Edema (POPE) and Negative Pressure Pulmonary Edema (NPPE) After Upper Airway Surgery: A Systematic Review and Meta-Analysis  
Sungjin A Song, MD
- H045** Migration of Broken Dental Needle Through the Internal Jugular Vein in the Parapharyngeal Space  
Jeffrey C Teixeira, MD
- H046** Competitiveness of Otolaryngology Applicants without a Home Program  
James C Wang, MD, PhD
- H047** Opioid Associated Bilateral Sudden Sensorineural Hearing Loss: A Case Report and Literature Review  
Yin Yiu, MD

## Facial Plastic & Reconstructive

- H048** The Role of Gli1+ Mesenchymal Stem Cells in Facial Nerve Regeneration  
Gabriela L Bobarnac Dogaru, BS
- H049** First Case of Pyoderma Gangrenosum After Submental Kybella (Deoxycholic Acid) Injection  
Shumon I Dhar, MD
- H050** Repair of Nasal Mucocutaneous Fistula and Scarring Caused by Leishmaniasis Through Excision, Local Tissue Advancement, and Alar Rim Grafting  
Yula A Indeyeva, MD
- H051** Endoscopic and Transcervical Approach for Free Flap Reconstruction of Nasopharyngeal and Clival Defects  
Natalie A Krane, MD
- H052** Alaeque Nasi Myocutaneous Flap: A Novel Approach for Reconstruction of Through and Through Nasal Defects  
Richard W Thompson, MD

## Head & Neck

- H053** Online Reviews of 526 Otolaryngologists  
Mai M G Al Khadem, MBBCh
- H054** Magnesium Disorders and Hypocalcemia After Total Thyroidectomy in Commercially Insured Patients  
Monirah M Albathi, MBBS
- H055** 3D Printed Tracheoesophageal Puncture and Prosthesis Placement Simulator  
Samuel R Barber, MS
- H056** The Futility of Intraoperative Frozen Section in the Evaluation of Follicular Thyroid Lesions  
Craig A Bollig, MD
- H057** Fibrin Sealant and Parotidectomy Wound Complications  
Stephen R Chorney, MD, MPH
- H058** Online Referral for Endocrine Surgical Pathology Within Institutions  
Vaninder K Dhillon, MD
- H059** Trends of Patients by Age Undergoing Thyroidectomy: An Analysis of Inpatient Data in the U.S. from 2005-2011  
Kristen A Echanique, BS
- H060** Accuracy of Preoperative Ultrasound for Characterizing the Size of Obstructive Salivary Ductal Calculi  
Arjun S Joshi, MD
- H061** Sonolocation During Submandibular Gland Sialolithotomy  
Andrew R Fuson, MD
- H062** Ultrasound Characteristics of Sublingual Calculi  
Andrew R Fuson, MD
- H063** Application of a Novel Vibrating Device for Fine Needle Aspiration Cytology  
Ryusuke Hori, MD, PhD
- H064** Destructive Lesion of Temporomandibular Joint: A Rare Case of Tophaceous Pseudogout  
Jessica B Howell, MD

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## TRIO POSTERS

- H065** Follicular Dendritic Cell Sarcoma: Case Report and Review of Literature  
Natalie A Kim-Orden, MD
- H066** Differences in Predictors for Oral Tongue Squamous Cell Carcinoma Survival as Stratified by Age and Sex: A SEER Analysis  
Edward C Kuan, MD
- H067** Characteristics of Head and Neck Cancer Patients Seen in Multidisciplinary Tumor Clinic  
Anisha R Kumar, MD
- H068** Survival of Renal Cell Carcinoma Metastatic to Non-Thyroid Head and Neck Regions  
Tzyy-Nong Liou, MD
- H069** Preoperative Assessment of Benign Parotid Masses: Further Imaging and when?  
Bernard Mendis, BSc
- H070** Identifying Preoperative Variables and Ultrasound Data to Better Predict Operative Times in Thyroidectomy Surgeries  
Jeremy A Mock, MD
- H071** Management of T1 and T2 Oropharyngeal Malignancies – Geographic Trends and Outcomes – An Analysis of the SEER Database  
Hani M Rayess, MD
- H072** Oropharyngeal Adenoid Cystic Carcinoma – A Population Based Analysis of Trends and Outcomes  
Hani M Rayess, MD
- H073** Robotic Facelift Thyroidectomy: A Case Series  
Jonathan O Russell, MD
- H074** A New Nasoseptal Flap for Skull Base Reconstruction  
Saurav Sarkar, MBBS, FACS
- H075** Association of Diabetes with Head and Neck Malignancies  
Saurav Sarkar, MBBS, FACS

- H076** Amyloidoma of the Carotid Body: A Rare Presentation of Head and Neck Amyloidosis  
Ameer T Shah, MD
- H077** Lacrimal Sac and Nasolacrimal Duct Non-Keratinizing Squamous Cell Carcinoma: Diagnostic Challenge  
Jeffrey C Teixeira, MD
- H078** Diagnosis of Double Hit Diffuse Large B Cell Lymphoma  
Olivia Twu, MD, PhD
- H079** Experience of First Bite Syndrome During Chemotherapy for Hodgkin's Lymphoma: A Case Report  
Carla V Valenzuela, MD

### Laryngology/ Bronchoesophagology/ Sleep Medicine

- H080** Improving Residents' Education for Sleep Disordered Breathing  
Muhammad Abbas Abid, MD
- H081** Transcervical Ultrasound Guided Needle Decompression of Combined Laryngocele Presenting as Acute Airway Obstruction – A Novel Approach to a Rare Condition  
James R Biery, PA-C
- H082** Trends in Sleep Studies Performed for Medicare Beneficiaries  
Whitney Chiao, BA
- H083** Improved Cardiac Function After Upper Airway Stimulation Therapy: A Case Report  
David W Chou, BS
- H084** The Effects of Vibrotactile Stimulation on Spasmodic Dysphonia, a Crossover Trial  
Shumon I Dhar, MD

- H085** Pyogenic Granuloma of the Larynx: A Rare Cause of Hemoptysis  
Andrea L Hanick, MD
- H086** Selective Upper Airway Stimulation for Obstructive Sleep Apnea in Obese Patients  
Colin Huntley, MD
- H087** Upper Airway Stimulation Can Successfully Treat Obstructive Sleep Apnea in Patients with a BMI Greater than 32  
Colin T Huntley, MD
- H088** Upper Airway Stimulator Implantation Is Safe to Perform on Systemically Anticoagulated Patients  
Colin T Huntley, MD
- H089** Nasal Septal Deviation among Patients with and without Obstructive Sleep Apnea: A Pilot Study  
Yoseph A Kram, MD
- H090** Upper Esophageal Sphincter Assist Device Effectiveness in Treating Aspiration Due to Radiation and Surgically Induced Patulous Upper Esophageal Sphincters  
Phong T Le, MD
- H091** Vocal Cord Injection Augmentation: An Option for Temporary Pitch Elevation for the Male-to-Female Transgender Voice  
Brian A Nuyen, MD
- H092** Morbidity and Mortality in Children Undergoing Bronchoscopy for Foreign Body Removal  
Christopher A Roberts, BS



# TRIO POSTERS

## Otology/Neurotology

- H093** Utility of Intraoperative Imaging in Cochlear Implantation: A Systematic Review  
Swathi Appachi, MD
- H094** Middle Ear Tuberculosis as the Initial Manifestation of Miliary Tuberculosis in a Non-Endemic Region  
Amy P Bansal, MD
- H095** Cochlear Implantation Outcomes Evaluated Using Health Related Quality of Life  
Michael J Bauschard, MD, MS
- H096** Can Oxidation in the Ear Be Controlled?  
Brian W Blakley, MD, PhD
- H097** Inpatient Mastoidectomy: An Analysis of Patient Comorbidities, Complications, Procedure Type, and Diagnosis  
Meghan M Crippen, MS
- H098** Hearing Loss on Social Media: Who is Winning Hearts and Minds?  
Matthew G Crowson, MD
- H099** Osteoblastoma of the Temporal Bone in a Young Child  
Micah M Gibson, BS
- H100** Improvement in Tinnitus Handicap Inventory Measures in Patients Participating in a Staged Tinnitus Habituation Therapy Protocol  
Saikrishna C Gourishetti, BS
- H101** An Analysis of Patient Characteristics and 30 Day Postoperative Adverse Events in Adult Otologic Surgery  
Aparna Govindan, BA
- H102** The Role of Computed Tomography Angiography in Temporal Bone Fractures  
Yarah M Haidar, MD
- H103** Radiographic Variations of Surgically Relevant Middle Cranial Fossa Anatomy in Three Neurotologic Disorders  
Kiefer D Hock, BS
- H104** Tinnitus Prevalence, Characteristics and Relationship with Cardiometabolic Risk in an African American Cohort  
Laura K House, MD

- H105** Novel Use of Visual Biofeedback for Binocular Microscopy/Otoscopy in the Otolaryngology Office  
Wayne Daniel Hsueh, MD
- H106** Ear Preference and Interaural Asymmetry  
Camille M Huwyler, BS
- H107** Location of Small Intracanalicular Vestibular Schwannomas Based on Magnetic Resonance Imaging  
Elliott D Kozin, MD
- H108** Assessment of the Prognosis for the Outcome of Delayed Transmastoid Facial Nerve Decompression Surgery  
Yoshihiko Kumai, MD, PhD
- H109** Functional Gait Assessment as an Objective Metric for Outcome After Cartilage Cap Surgery for Superior Canal Dehiscence  
Larry B Lundy, MD
- H110** New Bone Formation over Dehiscent Superior Semicircular Canals After Cartilage Cap Resurfacing Surgery  
Larry B Lundy, MD
- H111** Overcoming High Frequency Limitations of Air Conduction Hearing Aids Using a Light Driven Contact Hearing Aid: A Comparative Self-Controlled Study  
John T McElveen Jr, MD
- H112** Effect of Rituximab on AAV Related Otitis Media Case  
Koshi Otsuki, MD, PhD
- H113** Improved Autologous Cortical Bone Harvest and Viability with 2Flute Otologic Burs  
Adam A Roth, BS
- H114** The Effects of Positive Airway Pressure on the Middle Ear: Systematic Review and Meta-Analysis  
Douglas S Ruhl, MD, MSPH
- H115** Wegener's Granulomatosis Presenting with Otological Manifestations  
Ronald Sahyouni, BA

- H116** The Transpetrosal/Transtentorial (TPTT) Approach for the Placement of an Auditory Brainstem Implant  
Ravi N Samy, MD
- H117** 30 Day Morbidity and Mortality Following Otologic/Neurotologic Surgery: Analysis of the NSQIP  
Zachary G Schwam, MD
- H118** The Effect of Subway Station Noise Exposure on Commuter Hearing  
Ravi R Shah, MD
- H119** Relationship of Stroke Risk and Hearing Loss in African Americans  
Jonathan E Sorrel, MD
- H120** Position of the Vertical Portion of the Facial Nerve in Adult Cranial Specimens with Big Versus Small Mastoids  
Norman Wendell Todd, MD, MPH
- H121** Cochlear Implantation in a Patient with Osteopetrosis  
Andrew G Tritter, MD
- H122** Exclusive Endoscopic Transcanal Transpromontorial Approach: Defining the Surgical Corridor  
Cameron C Wick, MD
- H123** Application of Augmented Reality for Preoperative Planning in Lateral Skull Base Surgery  
Kevin Wong, BA
- H124** Pediatric Auditory Brainstem Implant Surgery: Effect of Anesthesia on Electrically Evoked Auditory Brainstem Responses  
Kevin Wong, BA

## Pediatric Otolaryngology

- H125** An Analysis of Risk Factors in Unilateral Versus Bilateral Hearing Loss Identified Through Universal Newborn Hearing Screening  
Eric N Appelbaum, MD
- H126** Case Report: Duodenal Ulcer, an Unusual Presentation of Pediatric Post-Tonsillectomy Hematemesis  
Carolyn A Brydon, MD
- H127** The Role of the Otolaryngologist in the Zika Epidemic  
Si Chen, MD

# 2<sup>nd</sup> COMBINED POSTERS

JOIN US!

2<sup>nd</sup> COMBINED POSTER RECEPTION

**AAFPRS • ANS • AOS • TRIO**

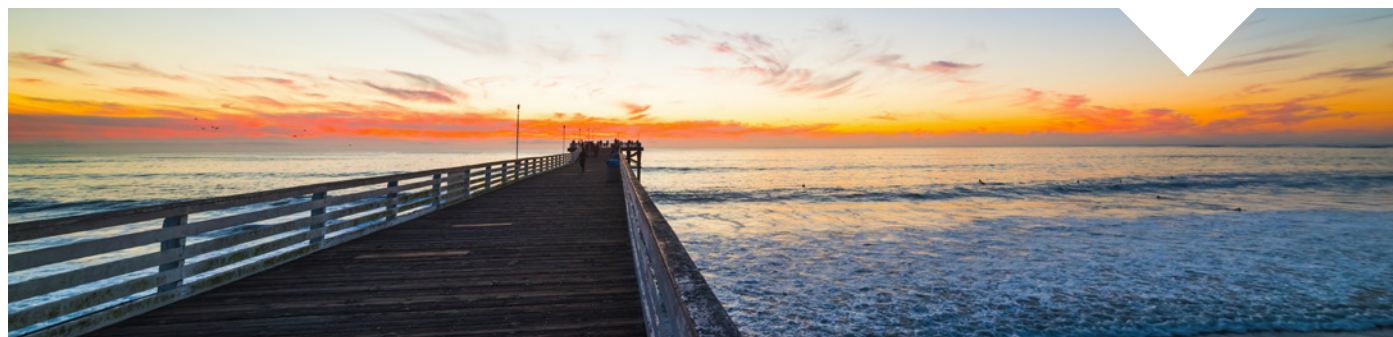
Friday, April 28 • 5:30 pm – 7:00 pm

Grand Hall A-D and Grand Hall Foyer

## TRIO POSTERS

- H128** Comprehensive Pediatric Vestibular Testing: Identifying Factors Predictive of Successful Testing  
Peter J Ciolek, MD
- H129** Peritonsillar Abscesses in Children  
Christine M Clark, BA
- H130** Salivary Cotinine Levels in Children with Otolaryngological Disorders  
Christine M Clark, BA
- H131** Type 1 Laryngeal Cleft Repair Through a Novel Transoral, Non-Endoscopic Approach  
Austin N DeHart, MD
- H132** Modified Minerva Cervical Thoracic Orthosis for the Postoperative Management of Cricotracheal Resection: A Single Institutional Review  
Jennifer F Ha, MBBS, FRACS
- H133** Consulting Dr. Google: Quality of Online Resources About Tympanostomy Tube Placement  
Vandra C Harris, MD
- H134** Pediatric Outpatient Tonsillectomy: Safe in Children Under Three  
Claire M Lawlor, MD
- H135** Efficacy of a Decision Aid Prototype for Treatment of Pediatric Sleep Disordered Breathing: A Pilot Study  
Jeremy D Meier, MD
- H136** Congenital Nasal Obstruction in Infants  
Vijay A Patel, MD
- H137** Pediatric Tracheostomy Knowledge Among Pediatric Residents  
Vijay A Patel, MD
- H138** Morbidity of Thyroglossal Duct Cyst Excision in Children Under Two Years: Analysis of NSQIP 30 Day Outcomes  
Christopher D Pool, MD
- H139** Decisional Regret Following Ventilation Tube Insertion  
Michele M Carr, DDS, MD, PhD
- H140** Examining Outcomes and Costs in the Management of Pediatric Lateral Neck Infections  
Nicholas A Quinn, MD
- H141** Invasive Fungal Pharyngitis in a Pediatric Bone Marrow Transplant Patient  
Charles M Myer IV, MD
- H142** Outcome Predictors for Cervical Abscesses in the Pediatric Population  
Christopher A Roberts, BS
- H143** Conservative Management of a Trans-Spatial Infantile Subglottic Hemangioma  
Marissa A Schwartz, MD
- H144** Hemoptysis in Pediatric Tracheostomy Patients  
Rishabh Sethia, BS
- H145** Pediatric Facial Kaposiform Hemangioendothelioma: A Case Report and Review of the Literature  
Rishabh Sethia, BS
- H146** Current Management and Referral Patterns of Pediatricians for Acute Otitis Media  
Shivani U Shah-Becker, MD
- H147** Tracheocutaneous Fistula Closure: Outcomes and Complications in the Pediatric Population  
Blaine D Smith, BS
- H148** The Effect of Strontium Citrate on Bone Consolidation during Mandibular Distraction Osteogenesis in a Rabbit Model  
Benjamin A Taylor, MD
- H149** Effect of Race and Ethnicity on Pediatric Adenotonsillectomy Outcomes for OSA: A Systematic Review  
Justin M Wei, MD

2<sup>nd</sup> COMBINED POSTERS: AAFPRS • ANS • AOS • TRIO



# BUSINESS & SOCIAL EVENTS

## TUESDAY, APRIL 25

AHNS UltraSound Course  
7:00 am – 12:50 pm • Gaslamp A-D

ALA Council Meeting  
12:00 pm – 5:00 pm • Old Town A

AHNS UltraSound Course – Hands On  
1:00 pm – 4:35 pm • Balboa A-C

AHNS Residents Course  
1:15 pm – 5:15 pm • Gaslamp A-D

## WEDNESDAY, APRIL 26

AHNS Foundation/Centurion Club Lounge  
7:45 am – 6:00 pm • Bankers Hill

ALA President's Reception  
7:00 pm – 10:00 pm • Coronado DE

## THURSDAY, APRIL 27

ALA Post Graduate Symposium  
6:00 am – 7:00 am • Old Town AB

AOS Council Meeting  
6:30 am – 9:30 am • Balboa B

AHNS Foundation/Centurion Club Lounge  
7:45 am – 6:00 pm • Pier

ANS Executive Council Meeting  
9:30 am – 12:45 pm • Balboa A

AOS/ANS Joint Council Luncheon  
1:00 pm – 3:00 pm • Balboa BC

TRIO Executive Committee  
and Council Meetings  
1:00 pm – 5:00 pm • Cortez Hill AB

ARS Development Committee Meeting  
5:00 pm – 5:30 pm • Balboa C

AADO Business Meeting  
5:00 pm – 6:00 pm • Old Town AB

ACS-Otolaryngology Head & Neck  
Surgery Advisory Council Meeting  
5:00 pm – 7:00 pm • Hillcrest A

COSM SLC Meeting  
5:15 pm – 7:00 pm • Hillcrest CD

ALA Former Laryngology Fellows  
Reception (Invitation Only)  
6:30 pm – 8:00 pm • America's Cup Foyer and  
Terrace

ABEA Centennial Gala  
7:30 pm – 10:30 pm • Coronado Foyer/Terrace

## Pilling® Garrett-Ossoff-Pilling Laryngoscope

**Garrett-Ossoff-Pilling Laryngoscope**  
The new Garrett-Ossoff-Pilling Laryngoscope helps surgeons focus on critical anatomy during procedures in a range of patient sizes, and is designed for patients with a greater distance between their teeth and vocal cords.

**Come see the new  
Garrett-Ossoff-Pilling Laryngoscope  
at Teleflex Booth #303**



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# BUSINESS & SOCIAL EVENTS

## THURSDAY, APRIL 27, cont.

AHNS President's Reception  
7:30 pm – 8:30 pm • Coronado ABC

## FRIDAY, APRIL 28

ANS Education Council Meeting  
7:00 am – 8:15 am • Balboa A

TRIO Annual Business Meeting/  
New Fellows Ceremony  
7:00 am – 8:00 am • Seaport FGH

ARS Board of Directors Meeting  
8:00 am – 12:00 pm • Cortez Hill ABC

COSM Exhibitor Meet and Greet  
8:00 am – 8:30 am • Balboa BC

O&N Board of Directors  
8:30 am – 9:45 am • Balboa A

ARS SSS Directors Meeting  
12:00 pm – 1:00pm • Old Town A

TRIO Nominating Committee  
12:00 pm – 1:00 pm • Gaslamp C

TRIO (Laryngoscope) BP Meeting  
12:00 pm – 1:00 pm • Hillcrest A-D

ANS Business Meeting  
1:00 pm – 1:30 pm • Seaport DE

ANS Annual President's Reception  
7:00 pm – 8:30 pm • Coronado DE

## SATURDAY, APRIL 29

ANS Business Meeting  
7:00 am – 7:30 am • Seaport DE

TRIO Annual Business Meeting  
7:00 am – 8:00 am • Seaport FGH

TRIO (Laryngoscope) AE/SE Meeting  
12:00 pm - 1:00 pm • Old Town A

AOS Business Meeting  
1:00 pm – 1:20 pm • Seaport DE

AOS President's Reception & Banquet  
6:30 pm – 11:00 pm • Hotel Del Coronado

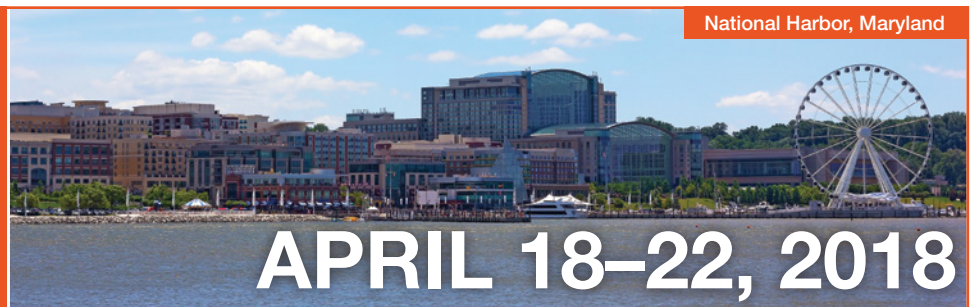
## SUNDAY, APRIL 30

AOS Business Meeting  
7:00 am – 7:30 am • Seaport DE

SAVE  
THE  
DATES

**COSM**  
COMBINED  
OTOLARYNGOLOGY  
SPRING MEETINGS

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# EXHIBITOR LISTINGS

0 – 9

## 3D Systems 903

3D Systems is a pioneer for healthcare solutions with expertise in virtual surgical planning and anatomical modeling which can provide improved accuracy and surgical outcomes benefiting patients & surgeons.

A

## A.R.C. Laser GmbH 912

A.R.C. Laser develops, engineers and manufactures high class lasers with a focus on ENT. We offer a wide range of Green, TruBlue and Diode lasers as well as CO2 lasers.

## Acclarent, Part of the Johnson & Johnson Family of Companies 612

Acclarent, Inc., our singular focus is to free patients to live better lives by designing, developing and commercializing medical devices that address conditions affecting the ear, nose, and throat.

## Advanced Bionics 600

Advanced Bionics, a Sonova Company, is a global leader in developing cochlear implant systems, a technology that restores hearing to those with severe-to-profound hearing loss.

## Alma Lasers 709

Alma Lasers is a global innovator of laser, light-based, radiofrequency and ultrasound solutions for the aesthetic and surgical markets.

## Arbor Pharmaceuticals, Inc. 101

Arbor Pharmaceuticals, a specialty pharmaceutical company focused on the treatment of diseases & disorders affecting pediatric patients including ADHD, acute otitis media with tympanostomy tubes & head lice.

## Atmos Inc. 713

Established in 1888, ATMOS provides a broad portfolio of innovative products, technologies and services for ENT specialists that have helped to shape today's advanced level of patient care.

## Audigy Medical 405

Audigy Medical is the industry's preeminent, data-driven ENT and otology business-management group. We focus on creating the processes and efficiencies for ENT and otology practices.

## Auditory Implant Initiative 206

The Auditory Implant Initiative is a non-profit organization dedicated to improving access to high-quality cochlear implant care through aggregate data analytics.

## AxoGen, Inc. 711

AxoGen is a leading medical technology company dedicated to peripheral nerve repair. AxoGen's portfolio of regenerative medicine products have applications in extremity, ENT and OMF surgeries.

B

## Bassett Healthcare Network 207

Bassett Healthcare Network, a major teaching affiliate of Columbia University, is seeking a hospital-employed, full-time BC/BE Otolaryngologist to join their busy expanding Central NY OHNS practice.

## Bien-Air Surgery 812

Bien-Air is the leading Swiss manufacturer of electric drill systems, facial plastic microsaws, microdebrider and handpieces for small bone surgery.

## Biologica Technologies 100

Our first aesthetic product Allofill is an adipose-based filler containing naturally occurring growth factors. Allofill can be used to fill soft-tissue defects as a noninvasive alternative to AFG.

## Boston Medical Products, Inc. 301

Nasal packs, splints, stents, buttons, epistaxis catheters; T-tubes, stoma buttons, speaking valves; laryngeal stents/keels; esophageal tubes; thyroplasty implant system, tracheostomy tubes.

## Boston Scientific 808

The Aura XP™ Laser Therapy System is a 15W, 532 nm wavelength KTP laser with StarPulse™ Technology for ENT surgical applications. The system uses multiple Aura XP fibers and accessories.

# EXHIBITOR LISTINGS

**BR Surgical LLC 706**

BR Surgical offers surgical instruments and equipment for ENT including procedure chairs, treatment cabinets, headlights, microscopes, HD stroboscopes, rigid & flexible endoscopes, and video systems.

**Bristol-Myers Squibb 309**

Bristol-Myers Squibb is a global BioPharma company whose mission is to discover, develop and deliver innovative medicines that help patients prevail over serious diseases.

**Bryan Medical, Inc. 813**

Bryan Medical, Inc. Will be introducing a new balloon dilation catheter, Aeris, for airway stenosis. aeris features a non slip design intended to improve outcomes.

**C**

**Carestream 801**

For over 100 years, Carestream has delivered medical imaging technology that improves your practice's workflow & bottom line.

**Carl Zeiss Meditec, Inc. 611**

Carl Zeiss Meditec ([www.zeiss.com/us](http://www.zeiss.com/us)) is one of the worlds leading medical technology companies that is dedicated to helping healthcare professionals enhance patient care.

**Checkpoint Surgical, Inc. 204**

The CHECKPOINT® Stimulator/Locator provides the surgeon with a reliable method of applying electrical stimulation to exposed motor nerves and muscle to evaluate nerves during surgery.

**Cochlear Americas 700**

Cochlear is the global leader in implantable hearing solutions. Visit us at booth #700 to learn more about our latest products and updates. For more information, visit [Cochlear.com/us](http://Cochlear.com/us).

**Cook Medical 710**

Cook Medical's areas of focus are sinonasal, otologic and dural soft tissue repair, as well as sialendoscopy access and intervention products for the treatment of obstructive salivary gland disease.

**Cumberland Pharmaceuticals 510**

Cumberland Pharmaceuticals is a specialty pharmaceutical company that acquires, develops and commercializes branded prescription products designed to improve quality of care and unmet medical needs.

**D**

**DePuy Synthes 208**

DePuy Synthes offers an unparalleled breadth of products, services and programs that are designed to advance patient care and deliver clinical and economic value to health care systems worldwide.

**Designs For Vision, Inc. 609**

Just See It™ with the finest Telescopes and brightest L.E.D. Headlights exclusively from Designs for Vision, Inc.

**E**

**Elsevier 113**

A world-leading provider of information solutions that enhance the performance of science, health, and technology professionals, empowering them to make better decisions, and deliver better care.

**ENT - Ear Nose & Throat Journal 209**

Ear Nose and Throat Journal provides practical peer-reviewed, original scientific and clinical articles and case reports serving the needs of practicing otolaryngologists and ENT professionals.

**Entellus Medical 311**

Entellus Medical is focused on products for the minimally invasive treatment of patients in the physician office setting or operating room who are suffering from chronic sinusitis.

**Ethicon US, LLC 203**

Ethicon US LLC, a Johnson & Johnson company, commercializes a broad range of innovative surgical products, solutions and technologies used to treat some of today's most prevalent medical issues.

**F**

**Fiagon 407**

The Fiagon Navigation System integrates into any endoscopic system to provide the utmost safety for your sinus, ear or plastic reconstruction procedures.

**Fuel Medical Group 605**

Fuel Medical Group creates custom business programs and solutions for patient focused, growth minded medical practices.

**Fyzical Balance & Dizziness Centers 307**

FYZICAL is the only balance franchise in the U.S. that can both save lives and expand patient care, while tapping into a near \$68 billion industry, creating wealth for you and your practice.

**G**

**Geisinger Health System 811**

**Grace Medical, Inc. 511**

Grace Medical provides innovative product solutions for the ENT surgeon, including Titanium and HA adjustable implants, Nitinol Stapes and Malleus Pistons, Ventilation Tubes and Instrumentation.

**Griffin Laboratories Inc. 112**

We have the TruTone® ElectroLarynx that stands out from the competition offering significantly increased intelligibility & emotion. We also have voice amplifiers, voice monitors & alerting devices.

**H**

**Haag-Streit USA 411**

Our otorhinolaryngology microscopes are designed and engineered specifically for the ENT physician. Get the mobility, precise positioning, and superior depth of field you need to get optimal results.

**Hemostasis LLC 308**

Hemostasis is committed to developing innovative bleeding control technologies. Our (NexStat®, BleedArrestER® and PosiSep®) are designed to optimize usability and efficacy for ENT procedures.

**Hood Laboratories, Inc. 704**

Hood Laboratories is proud to announce New Salivary Management Products, the Schaitkin Salivary Duct Cannula & the Walvekar Salivary Stent.

**I**

**InHealth Technologies 406**

InHealth Technologies offers ENT Products and Blom-Singer® Systems – global leader in post-laryngectomy tracheoesophageal voice restoration for over 38 years. [www.inhealth.com](http://www.inhealth.com)

# EXHIBITOR LISTINGS

## Inspire Medical Systems, Inc. 408

Inspire Medical Systems, Inc. is the leading developer of implantable neurostimulation systems to treat Obstructive Sleep Apnea (OSA).

## Instrumentarium 413

The Instrumentarium brand: the standard of excellence in ear, laryngeal and sinus instruments; product of exceptional know-how. La différence... that makes the difference.

## Integra LifeSciences 114

Integra LifeSciences, a world leader in medical technology, is dedicated to limiting uncertainty for surgeons, so they can concentrate on providing the best patient care.

## Intuitive Surgical 909

Intuitive Surgical, Inc. designs, manufactures and distributes the da Vinci® Surgical System – technology designed to allow surgeons to perform many complex procedures minimally invasively.

## J

## J. Morita USA, Inc. 509

J. Morita USA services North American medical professionals on behalf of one of the world's largest manufacturers/distributors, J. Morita Corporation.

## JAMA Network (The) 201

Building on a tradition of editorial excellence, The JAMA Network brings JAMA together with 11 specialty journals. JAMA Cardiology, a new peer-reviewed journal, launched in 2016.

## JEDMED Instrument Company 512

JEDMED is an employee-owned company that has been serving the medical community for over 36 years. We carry almost everything that would be needed in setting up an ENT practice.

## K

## KARL STORZ Endoscopy-America, Inc. 400

KARL STORZ, the industry-leading otorhinolaryngology and video imaging solutions provider for hospital and office use, is renowned for its precision craftsmanship complemented by exceptional service.

## KURZ Medical, Inc. 402

Kurz Medical, a worldwide leader in passive middle ear implant technology, offers a full range of titanium implants including the celebrated CliP and Ball-joint designs.

## L

## Leica Microsystems 800

Come see Leica Microsystems' latest microscope for surgeries of the head and neck, the Leica M530 OHX, along with the entire family of Leica microscopes for ENT. Learn more at booth #800.

## LUMENIS 701

Challenging Cases Helped by Duo Modality: CO2 Laser Scanning Micro-manipulator and Flexible Fiber

## M

## MED-EL Corporation 500

MED-EL is the premier developer of hearing-implant technology, connecting people in every walk of life to the rich arena of sound. For more information, visit [www.medel.com](http://www.medel.com) or call 1-888-633-3524.

## Mediana USA Inc. 310

MEDIANA USA INC. is located in Redmond, Seattle and we have been doing our business more than 20 years. Main products are ENT camera systems, Vital signs monitor.

## MediCapture Inc. 506

MediCapture Inc. designs and manufactures the medical industry's most advanced video recorders. MediCapture's true HD recorders are compatible with surgical and endoscopic cameras.

## Medtronic 803

Medtronic ENT is a leading developer, manufacturer and marketer of products for use by the ENT specialists, Otolaryngologists, and Head & Neck surgeons.

## Meniett AG 409

Meniett Micropressure Therapy. A minimally invasive therapy for the vertigo symptoms of Meniere's Disease. Come see us in booth #409.

## Merck & Co., Inc. 901

For 125 years, Merck has been a global health care leader working to help the world be well.

## Alliance between Merck KGaA, Darmstadt, Germany, and Pfizer 900

The alliance is focused on developing high-priority clinical programs to investigate avelumab as a monotherapy, as well as in combination regimens, and is striving to find new ways to treat cancer.

## Mirror Me 3D 410

MirrorMe3D creates patient-specific 3D printed models for the operating room and office. Our models can be used in the OR as a reference tool or to showcase your best results as a 3D office display.

## N

## NeilMed Pharmaceuticals 300

Our mission is to create and maintain safe, affordable and effective products to sustain long-term growth and create drug free and effective nasal, ear and wound care devices for adults and children.

## NIDCD National Temporal Bone Registry 205

NIDCD National Temporal Bone Registry is a nonprofit organization established to provide information about temporal bone donation and research.

## O

## Olympus America Inc. 505

Olympus is a precision technology leader in designing and delivering imaging solutions in healthcare, life science and photography.

## OmniGuide Surgical 807

OmniGuide is an advanced surgical energy company providing solutions for otolaryngology, including Head & Neck Cancer, Laryngology, Pediatric ENT, Otolaryngology and Neurotology.



# EXHIBITOR LISTINGS

**OptiNose 702**

OptiNose is an ENT/Allergy Biopharmaceutical Company, which developed and out-licensed Onzetra™Xsail™ and is has completed phase 3 trials for an Exhalation Delivery System for CRS with nasal polyps.

**Oticon Medical LLC 404**

Oticon Medical is the manufacturer of the Ponto bone conduction implant system, which can be implanted with the Minimally Invasive Ponto Surgery (MIPS). Visit us on the web at [www.oticonmedical.com/US](http://www.oticonmedical.com/US).

**Otonomy, Inc. 212**

Otonomy is a biopharmaceutical company focused on development and commercialization of innovative therapeutics for diseases and disorders of the ear.

**Ototronix 312**

Ototronix designs and manufactures advanced hearing technologies for the restoration of hearing, including MAXUM, the minimally invasive middle ear implant.

**P**

**PENTAX Medical 601**

Through leading-edge R&D and manufacturing, PENTAX Medical provides advanced and clinically relevant speech, voice and swallowing instrumentation.

**Plural Publishing, Inc. 302**

Plural Publishing produces leading academic, scientific and clinical publications in the fields of otolaryngology, speech pathology, and audiology. Stop by for a 20% discount! [www.PluralPublishing.com](http://www.PluralPublishing.com)

**PolypVac Microdebrider 304**

PolypVac by Laurimed LLC; 500 Arguello St., Suite 100 Redwood City, CA 94063; Customer Service: 1-406-763-5984; US Toll Free: 1-855-522-3123; EFax: 1-888-215-9883; Fax: 1-406-556-1322; [www.polypvac.com](http://www.polypvac.com)

**R**

**Reliance Medical Products 401**

Reliance offers a complete line of full power and manual examination and procedure chairs, surgical and exam stools and state of the art cabinets that are second to none in quality and craftsmanship.

**S**

**Scopis GmbH 211**

Scopis® develops and manufactures surgical planning and navigation systems for ENT. Our Target Guided Surgery and Augmented Reality features are the next generation solution for navigated FESS.

**Smith & Nephew 501**

Smith & Nephew provides surgical solutions trusted by healthcare professionals. Our line of Coblation wands, sinus access devices, & nasal dressings help surgeons improve the lives of their patients.

**Somna Therapeutics 306**

Somna Therapeutics is a medical device company introducing the Reza Band UES Assist Device, a non-medicine, wearable device used for treatment of LPR symptoms and acid reflux into the throat & lungs.

**Stryker 606**

Stryker is one of the world's leading medical technology companies and together with our customers, we are driven to make healthcare better. Please contact us for more information at [www.stryker.com](http://www.stryker.com).

**Sutter Medical Technologies USA, Inc. 604**

Sutter Medical USA is the leader in electrosurgery products focused in Neurosurgery and ENT. Come see our top products: the CURIS® RF generator, Calvan Endopen®, and Non-Stick Bipolars.

**Synovis Micro Companies Alliance 202**

**T**

**Tactile Medical 607**

Tactile Medical is a leader in developing and marketing at-home therapy devices that treat lymphedema and venous ulcers.

**Teleflex 303**

Teleflex is the home of Arrow, Deknatel, Hudson RCI, LMA, Pilling, Rüsck and Weck - trusted brands united by a common sense of purpose.

**U**

**Ultralight Optics, Inc. 200**

Ultralight Featherlight is the award-winning, smallest, and lightest LED loupe-light with over 100 customized attachments to fit on all loupes, safety glasses, everything!

**V**

**Veracyte 213**

The Afirma® Thyroid FNA Analysis, a comprehensive thyroid nodule management solution helps physicians reduce the number of thyroid surgeries and make a decision about thyroid surgery from the 1st FNA.

**W**

**Wiley 210**

Wiley, a global company, helps people and organizations develop the skills and knowledge they need to succeed.

**Wolters Kluwer 804**

Wolters Kluwer Health is a leading global provider of information and point of care solutions for the healthcare industry. Our solutions help to build clinical competency and improve practice.

**X**

**Xenosys USA 806**

Xenosys USA serve the surgical community with innovative products: portable next-gen LED surgical headlights, full range of custom TTL surgical loupes, Wireless full-HD surgical camera system

**Xoran Technologies, LLC 412**

Thousands of doctors have chosen to trust Xoran—the leader in medical point-of-care imaging. The new MiniCAT IQ & xCAT have raised the bar for image quality & efficiency. Stop by #412 to learn more!

**Z**

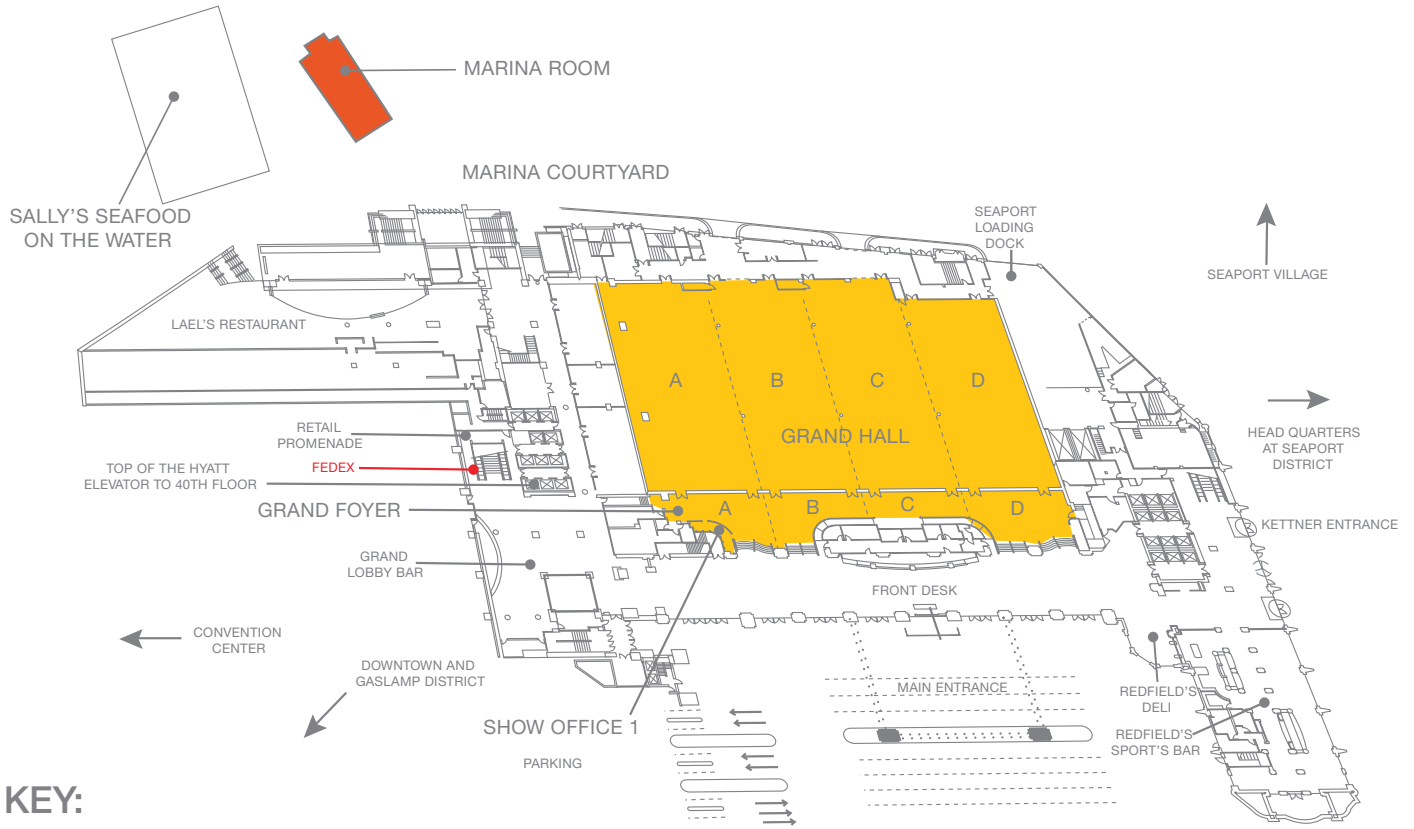
**Zimmer Biomet 810**

Founded in 1927 and headquartered in Warsaw, Indiana, Zimmer Biomet is a global leader in musculoskeletal healthcare. With operations in more than 25 countries around the world.



# FLOORPLAN

## MANCHESTER GRAND HYATT, LOBBY LEVEL



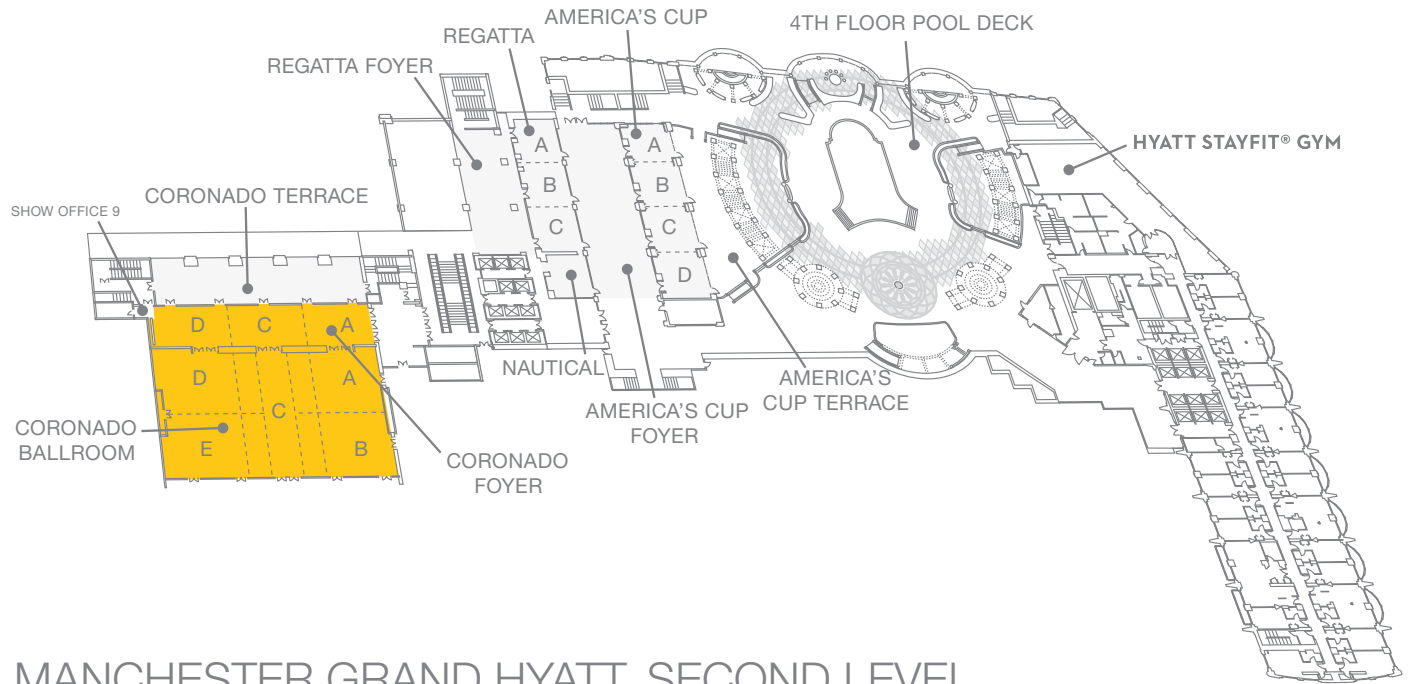
### KEY:

- Business Center: FedEx
- Exhibit Hall: Grand Hall A-D
- Posters: Grand Hall A-D and Grand Hall Foyer
- Spouse/Guest Hospitality: Marina Room

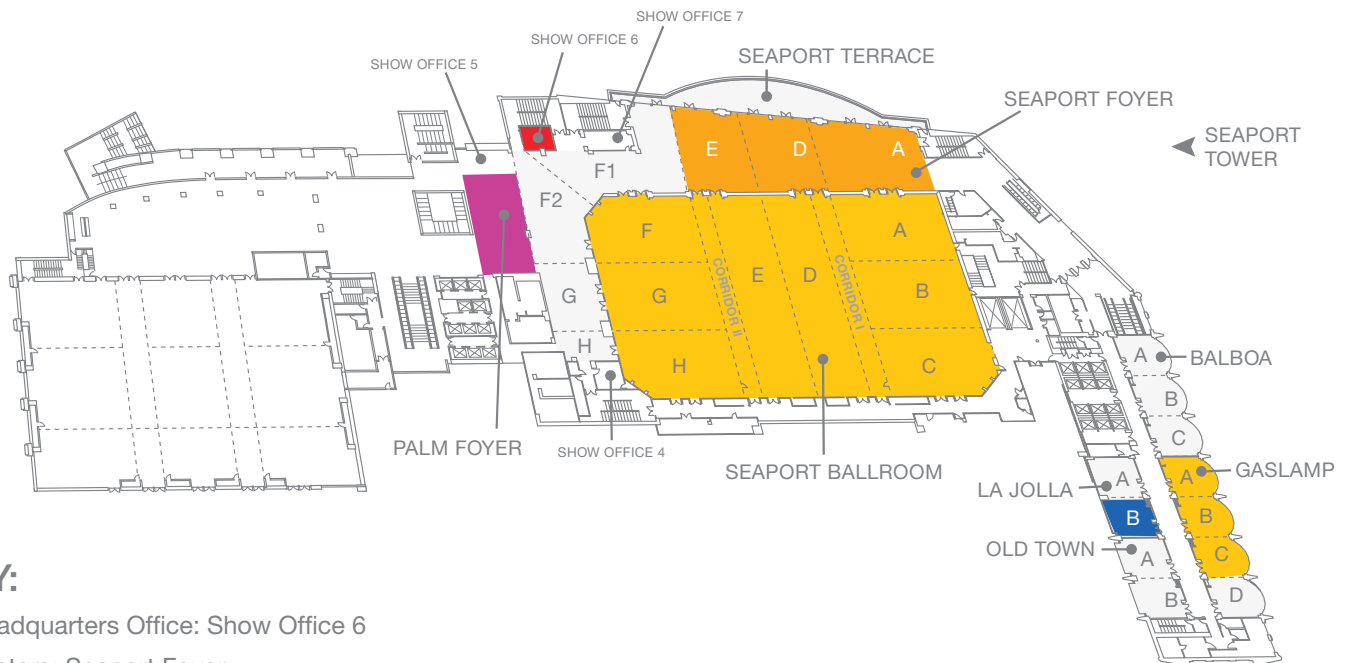


# FLOORPLANS

## MANCHESTER GRAND HYATT, FOURTH LEVEL



## MANCHESTER GRAND HYATT, SECOND LEVEL



**KEY:**

- Headquarters Office: Show Office 6
- Posters: Seaport Foyer
- Registration: Palm Foyer
- Scientific Sessions: Seaport Ballroom, Gaslamp ABC, and Coronado AB
- Speaker Ready Room: La Jolla B

# Nasal Septal Perforation Prosthesis

**Blom-Singer®**

The voice of experience since 1978

*The new two-piece magnetically coupled solution for non-surgical closure*



Oval



Round



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# Amplified **precision**

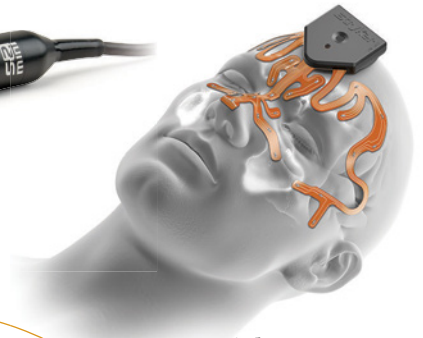
New from Stryker



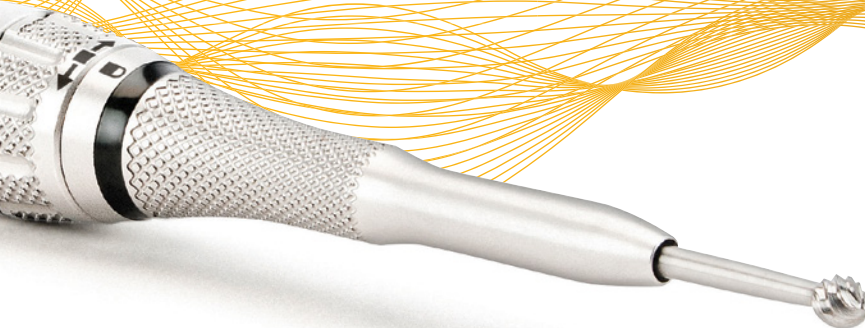
C2 NerveMonitor



S2 Mini Drill System



CranialMap 3.0  
CranialMask



Elite carbide  
cutting accessories



Precision Thin  
Reciprocating Blade  
0.010in

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