

COSM

COMBINED
OTOLARYNGOLOGY
SPRING MEETINGS

Gaylord National Resort & Convention Center

National Harbor, Maryland

APRIL 18 – 22, 2018



PROGRAM GUIDE



Harvest *results*, not patient tissue.¹

The Biodesign® Otologic Repair Graft, indicated for use in tympanoplasty and myringoplasty, is easy to manipulate, allows for improved surgical precision during graft placement, and reduces the need to harvest autologous tissue, which decreases intraoperative time an average of **10 minutes**.²



Biodesign®
OTOLOGIC REPAIR GRAFT

Join us at **#430**
our booth

1. D'Eredità R. Porcine small intestinal submucosa (SIS) myringoplasty in children: a randomized controlled study. *Int J Pediatr Otorhinolaryngol.* 2015;79(7):1085-1089.
2. De Zinis LO, Berlucchi M, Nassif N. Double-handed endoscopic myringoplasty with a holding system in children: preliminary observations. *Int J Pediatr Otorhinolaryngol.* 2017;96:127-130.

Biodesign® Otologic Repair Graft

INTENDED USE: The Cook® Biodesign® Otologic Repair Graft is intended for use as an implant material to aid in surgical repairs and as an adjunct to aid in the natural healing process in various otologic procedures, including but not limited to myringoplasty and tympanoplasty. The device is supplied sterile and is intended for one-time use. **[Rx ONLY]** This symbol means the following: **CAUTION: Federal (U.S.A.) law restricts this device to sale by or on the order of a physician. This product is intended for use by trained medical professionals.** [OTOLOGIC REPAIR GRAFT] This symbol means the following: Otologic Repair Graft

CONTRAINDICATIONS: This device is derived from a porcine source and should not be used for patients with known sensitivity to porcine material.

PRECAUTIONS: This device is designed for single use only. Attempts to reprocess, resterilize, and/or reuse may lead to device failure and/or transmission of disease. • **Do not resterilize.** Discard all open and unused portions of the device. • The device is sterile if the package is dry, unopened and undamaged. Do not use if the package seal is broken. • Discard device if mishandling has caused possible damage or contamination, or if the device is past its expiration date. • Avoid packing external canal with adherent dressings or applying excessive pressure in the ear canal. • Please take care when opening tray packaging to ensure that device remains seated in the tray.

POTENTIAL COMPLICATIONS: The following complications are possible with the use of surgical device materials in otologic procedures: • Abscess formation • Allergic reaction • Calcification • Cholesteatoma • Excessive redness, pain, swelling, or blistering • Fever • Infection • Inflammation (initial application of surgical device materials may be associated with transient, mild, localized inflammation) • Mastoiditis • Migration • Persistence of perforation • Recurrence • Retraction pockets • Seroma • Squamous cysts • Thickening of the tympanic membrane

See instructions for use for full product information.

AB_FP0108-01_REV3



cookmedical.com

DOWNLOAD NOW!

The COSM 2018 Annual Meeting App!

FEATURES INCLUDE:

- Oral presentation & Poster abstracts
- Meeting program and course schedules
- Customizable calendar and itinerary builder
- Social media interaction
- Exhibitor listing with booth map
- Meeting alerts



COSM

COMBINED
OTOLARYNGOLOGY
SPRING MEETINGS

Scan the QR code above, or point the browser on your mobile device to **app.core-apps.com/tristar_cosm**

The COSM 2018 Annual Meeting App is compatible with iPhone, Android, iPad and most tablets.

Table of Contents

Schedule-at-a-Glance.....	4
General Information.....	6

DAILY SCHEDULE

Societies are listed in alphabetical order:

American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS)	12-13, 15-16
American Broncho-Esophagological Association (ABEA).....	9, 20, 27
American Head and Neck Society (AHNS).....	10-12, 17-18
American Laryngological Association (ALA)	14, 19, 26
American Neurotology Society (ANS).....	34-36
American Otological Society (AOS)	27-29
American Rhinologic Society (ARS)	21-24
American Society of Pediatric Otolaryngology (ASPO)...	28, 30-32, 36-37
The Triological Society (TRIO).....	25-26, 32-34
1st Combined Posters (AAFPRS, ABEA, AHNS, ALA, ARS)	38-53
2nd Combined Posters (ANS, AOS, ASPO, TRIO).....	54-65
Business and Social Events	66
Exhibitor Listings.....	67-71
Gaylord National Resort & Convention Center Floorplan	72

COSM Secretaries Liaison Committee



Gregory Grillone, MD, FACS
Chair
COSM Secretaries
Liaison Committee

Theda Kontis, MD

American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS)

Seth Dailey, MD

American Broncho-Esophagological Association (ABEA)

Brian Burkey, MD, MEd, FACS

American Head and Neck Society (AHNS)

Lucian Sulica, MD

American Laryngological Association (ALA)

Brad Kesser, MD

American Neurotology Society (ANS)

Sujana Chandrasekhar, MD, FACS

American Otological Society (AOS)

Pete Batra, MD, FACS

American Rhinologic Society (ARS)

Anna Messner, MD, FACS

American Society of Pediatric Otolaryngology (ASPO)

Myles Pensak, MD, FACS

American Laryngological, Rhinological and Otological Society aka The Triological Society (TRIO)

Connect with Us!

COSM

c/o American College of Surgeons
633 N. Saint Clair Street
Chicago, IL 60611
312-202-5322
cosmsupport@facs.org
www.cosm.md



www.twitter.com/_COSM
#2018COSM

©2018.

TriStar Publishing, Inc.

7285 W.132nd Street, Suite 300
Overland Park, KS 66213
913-491-4200 | www.tristarpub.com

DOWNLOAD THE MEETING APP!



Download the COSM Meeting App for the most up-to-date program and event information!



KEYTRUDA[®]

(pembrolizumab) Injection 100 mg

Visit the Merck Booth and Learn More About KEYTRUDA

- Approved indications
- Resources for health care professionals
- The Merck Access Program
- KEY+YOU Patient Support Program



Schedule-at-a-Glance

	WEDNESDAY APRIL 18	THURSDAY APRIL 19	FRIDAY APRIL 20	SATURDAY APRIL 21	SUNDAY APRIL 22
MORNING	ABEA AHNS C	AAFPRS AHNS C ALA	ARS C TRIO C	AOS ASPO C TRIO	ANS ASPO C
AFTERNOON	AAFPRS AHNS C ALA	ABEA AHNS C ARS	ALA/ABEA AOS ARS ASPO	ANS ASPO C TRIO	
EVENING	ALA R	1st Poster R AAFPRS, ABEA, AHNS, ALA, ARS AHNS R ALA R ARS R	2nd Poster R ANS, AOS, ASPO, TRIO ANS R ASPO R	AOS B ASPO B	

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

COSM SOCIETIES



AAFPRS

American Academy of Facial Plastic and Reconstructive Surgery
www.aafprs.org



ABEA

American Broncho-Esophagological Association
www.abea.net



AHNS

American Head and Neck Society
www.ahns.info



ALA

American Laryngological Association
www.alahns.org



ANS

American Neurotology Society
www.americanneurotologysociety.com



AOS

American Otological Society
www.americanotologicalsociety.org



ARS

American Rhinologic Society
www.american-rhinologic.org



ASPO

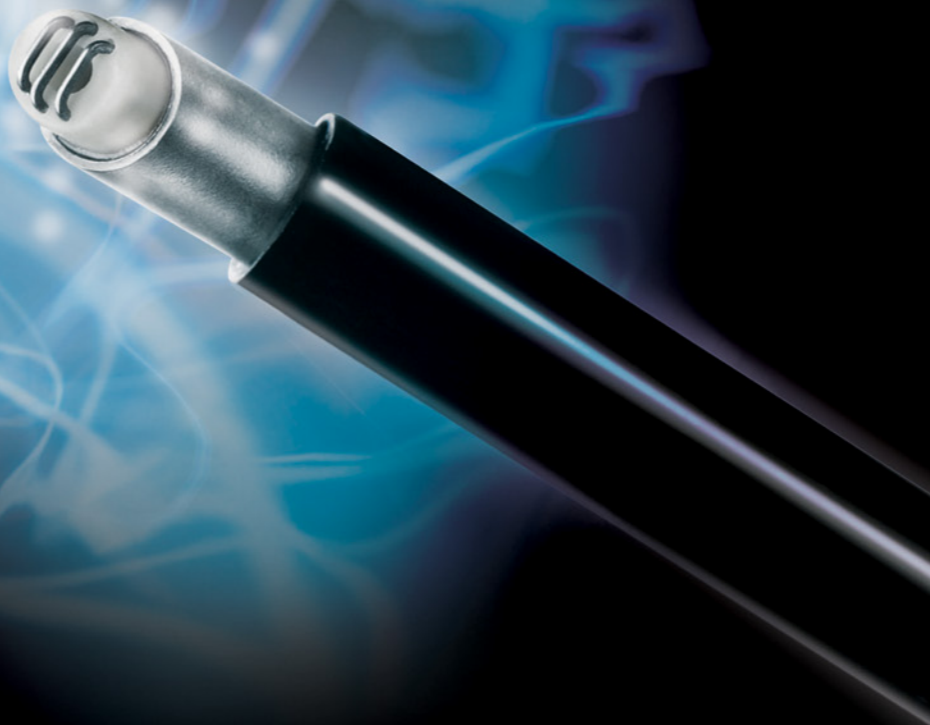
American Society of Pediatric Otolaryngology
www.aspo.us



TRIO

American Laryngological, Rhinological and Otological Society aka The Triological Society
www.triological.org

Less heat means less pain



Low temperature COBLATION Plasma Technology is designed to minimize thermal damage during tonsillectomy, resulting in less pain one day after surgery.¹

Visit booth #323 to learn more.

 **smith&nephew**
COBLATION[®]

Plasma Technology
for Adenotonsillectomy

Supporting healthcare professionals

1. Data on file at Smith & Nephew, report P/N 91999.

Smith & Nephew, Inc.
150 Minuteman Road
Andover, MA 01810 USA

www.smith-nephew.com
T +1 978 749 1000
US Customer Service: +1 800 343 5717

[®]Trademark of Smith & Nephew.
©2018 Smith & Nephew. All rights reserved.
Printed in USA. 14050-2 V1 03/18

General Information

All room locations are located within the Gaylord National Resort & Convention Center, unless otherwise noted.

ADMISSION REQUIREMENTS

A common registration badge is used by participating societies. 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 staffed from 6:00 am to 9:00 pm daily and offers 24 hour self-service printing, copying, and internet access. The business center is located on 2nd floor and can be reached at 301-567-0457.

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 for CME information; CME credits/certificates will be processed by participating Societies.

EMERGENCY INFORMATION

All emergencies or suspicious activities should be reported immediately to Safety Services. Safety Services can be contacted by any house phone or dialing 333 from your guest room phone.

EXHIBIT HALL

The Exhibits are located in the Prince George's Exhibit Hall A. Coffee breaks and lunch daily (Wednesday and Sunday excluded) will be served in the Exhibit Hall.

Thursday, April 19 9:00 am – 4:00 pm
Friday, April 20 9:00 am – 4:00 pm
Saturday, April 21 9:00 am – 4:00 pm

HEADQUARTERS HOTEL

Gaylord National Resort & Convention Center

201 Waterfront Street
National Harbor, MD 20745
301-965-4000

HEADQUARTERS OFFICE

Maryland C Registration Desk Office

Wednesday, April 18 6:30 am – 5:00 pm
Thursday, April 19 7:00 am – 5:00 pm
Friday, April 20 7:00 am – 5:00 pm
Saturday, April 21 7:00 am – 5:00 pm
Sunday, April 22 7:00 am – 12:00 pm

LOST AND FOUND

Security is alerted if a guest is trying to locate an item. There is a voicemail system in place for inquiries. Please contact 301-965-4520, leave a message and a security agent will return your call.

MESSAGES

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

NURSING ROOM

Please contact COSM Headquarters in Maryland C Registration Desk Office to make arrangements.

PARKING

Self Parking:

0-1 Hour \$12
1-2 Hours \$18
2-3 Hours \$22
3- 24 Hours \$30

Valet Parking:

0-2 Hours \$24
2-24 Hours \$43

POSTERS

You may view all Posters via www.cosm.md, the Mobile App, and onsite in Prince George's Exhibit Hall A.

Thursday, April 19 9:00 am – 4:00 pm
Friday, April 20 9:00 am – 4:00 pm
Saturday, April 21 9:00 am – 4:00 pm

Additionally, posters are available for viewing during the Combined Poster Receptions (Prince George's Exhibit Hall A):

1st Poster Reception

(AAFP, ABEA, AHNS, ALA, and ARS)

Thursday, April 19 5:30 – 7:00 pm

2nd Poster Reception

(ANS, AOS, ASPO and TRIO)

Friday, April 20 5:30 – 7:00 pm

PRESS OFFICE

Members of the press may pick up a press badge and kit in the COSM Headquarters Office, Maryland C Registration Desk Office. All interviews must be conducted in the Press Office.

REGISTRATION LOCATION & HOURS:

Maryland Ballroom Foyer

Tuesday, April 17 5:00 – 7:00 pm*
Wednesday, April 18 6:30 am – 5:00 pm
Thursday, April 19 7:00 am – 5:00 pm
Friday, April 20 7:00 am – 5:00 pm
Saturday, April 21 7:00 am – 3:00 pm
Sunday, April 22 7:00 – 10:00 am

*subject to change

SPEAKER READY ROOM

Chesapeake K

Tuesday, April 17 4:00 – 8:00 pm
Wednesday, April 18 6:00 am – 6:00 pm
Thursday, April 19 6:00 am – 6:00 pm
Friday, April 20 6:00 am – 6:00 pm
Saturday, April 21 7:00 am – 6:00 pm
Sunday, April 22 7:00 – 10:00 am

WIFI

Complimentary internet access is available in main lobby and in the atrium. COSM has purchased wifi in the meeting room level Wednesday-Sunday.

Network: **COSM2018** | Password: **cosm2018**

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 subspecialties 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 vials¹

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[®]
ciprofloxacin 0.3% and
fluocinolone acetonide 0.025%

Single. Sterile. Simple.

The ***first and only*** combination ear drop in single-dose vials¹

- **Single-use vials contain 1 premeasured dose each**—dose BID/7 days
- **Every dose is sterile**, precise, and preservative free
- **No drop counting.** No mixing or shaking required
- **Demonstrated efficacy and safety** of ciprofloxacin and fluocinolone acetonide²

Drop by **BOOTH #218** 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 for full Prescribing Information.

 **arbor**
PHARMACEUTICALS, LLC

 **SALVAT**

Otovel is a registered trademark of Laboratorios Salvat, S.A. with the US Patent and Trademark Office and under license by Arbor Pharmaceuticals, LLC.

© 2018 Arbor Pharmaceuticals, LLC.
All rights reserved. Printed in USA. PP-OTO-US-0255

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 January 30, 2018.
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 ¹	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%)

¹ 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 [see *Clinical Pharmacology* (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 [see *Clinical Pharmacology* (12.3)].

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 [see *Indications and Usage* (1) and *Dosage and Administration* (2)].

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.

OTOVEL is:

Distributed by:
Arbor Pharmaceuticals, LLC
Atlanta, GA 30328

Under license of Laboratorios SALVAT, S.A.

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, or call 1-800-FDA-1088.



For more detailed information, see the full prescribing information for Otovel at www.otovel.com or contact Arbor Pharmaceuticals, LLC at 1-866-516-4950.

Wednesday, April 18

ABEA

LOCATION: MARYLAND B (UNLESS OTHERWISE NOTED)

WEDNESDAY, APRIL 18

7:00 am

ABEA Business Meeting

7:30 am

Presidential Welcome,
Introduction of Guests and
Program
James Burns, MD

7:45 am

Guest of Honor Lecture
Steven Zeitels, MD

**Session I: Vocal Fold
Pathology: Diagnosis
and Management**

Moderators:
Elizabeth Guardiani, MD
Lyndsay Madden, MD

8:00 am

Correlating Endoscopic
Appearance of Laryngeal
Lesions with Histopathology
Mursalin Anis, MD, PhD

8:11 am

Comparing Short-Term
Outcomes of Surgery and
Voice Therapy for Patients
with Vocal Fold Polyps
Jay Agarwal, MD

8:17 am

Recurrent Respiratory
Papillomatosis Outcomes
Following an HPV Vaccination
Initiative
Yin Yiu, MD

8:23 am

Apneic Technique in
Laryngotracheal Surgery: A
Retrospective Review
Terence Zimmermann, MD

8:29 am

Prevalence of Incidental Vocal
Fold Pathology in Patients
with and without Recent
Endotracheal Intubation Who
Undergo FEES
Cedric Thiel, BS

8:35 am

Surgical and Conservative
Management of Laryngeal
Contact Granuloma: A Meta-
Analysis and Systematic Review
Shu Wei Tsai, MD

8:41 am

Adverse Events in Recurrent
Respiratory Papillomatosis
Patients Treated Surgically
with or without Adjuvant
Intralesional Cidofovir
Rebecca Hoesli, MD

8:47 am

Discussion
Lucian Sulica, MD

**Session II: ABEA
Horizons: Basic
Science of the Pediatric
Aeordigestive Tract**

Moderators:
David Horn, MD
Jonathan Ida, MD

9:00 am

Protective pH Neutralizing
Esophageal Irrigations as a
Novel Mitigation Strategy
for Button Battery Injury:
A Cadaveric and Live
Animal Model
Rachel Anfang, MA

9:12 am

Feasibility of Shotgun
Metagenomics to Assess
Microbial Ecology of Pediatric
Tracheostomy Tubes
James Wang, MD, PhD

9:18 am

Deglutition and Respiratory
Patterns during Sleep in the
Aged with OSAS
Kiminori Sato, MD

9:24 am

Laser Soldering of a Cartilage
Graft Interposed into a Tracheal
Incision in a Porcine Model
Ari DeRowe, MD

9:30 am

Impact of Balloon Diameter on
Dilation Outcomes in a Rabbit
Subglottic Stenosis Model
Claudia Schweiger, MD, PhD

9:36 am

Discussion
Dana Thompson, MD

9:40 am

Presidential Lecture
R Kim Davis, MD

10:00 am

Coffee with Exhibitors
Maryland Foyer

**Session III: ABEA
Horizons: Basic
Science of the Adult
Aeordigestive Tract**

Moderators:
Simon Best, MD
Gregory Dion, MD

10:30 am

Lubricin, A Lubricating Mucin-
like Glycoprotein, Detected in
the Lamina Propria of the True
Vocal Fold of Humans and 6
Other Mammals
James Kobler, PhD

10:36 am

Laryngeal Sensory Receptor
Mapping in Humans Unveils
the Mechanisms of Laryngeal
Adductor Reflex Control
Catherine Sinclair, MD

10:42 am

Motor Endplate-Expressing
Muscle Implants for the
Treatment of Recurrent
Laryngeal Nerve Injury
Sarah Brookes, DVM

10:48 am

Preliminary Study of a NR4A1
Agonist, a Novel Anti-
Fibrotic Agent, on Vocal Fold
Fibroblasts
Nao Hiwatashi, MD, PhD

10:52 am

Activity of the Swallowing-
Related Neurons in the Dorsal
Medulla in Perfused Rats
Yochiro Sugiyama, MD, PhD

10:58 am

Discussion
Susan Thibeault, MD

11:10 am

Panel I: Decision Making in
Surgery for Dysphagia and
Aspiration: Lessons Learned
Moderator: Gregory Postma
Panelists:
Peter Belafsky
Rebecca Howell
Michael Pitman
*Supported by the Voice Health Institute
Endowment*

12:00 pm

ABEA Member Photograph

12:00 pm

Adjourn/Lunch with Exhibitors
Maryland Foyer

Wednesday, April 18

WEDNESDAY, APRIL 18

AHNS

LOCATION: (UNLESS OTHERWISE NOTED)

GENERAL SESSION/CONCURRENT 1: MARYLAND A | CONCURRENT 2: MARYLAND C

7:00 am

The American Head and Neck Society 2.0: Society Re-Organization and Restructuring
Brian Burkey, MD, Med
Ehab Hanna, MD
Jonathan Irish, MD, MSc, FRCSC

8:00 am

Welcome and Introduction of Guest of Honor
Danny Enepekides, MD, FRCS
D Gregory Farwell, MD
Jonathan Irish, MD, MSc, FRCSC

8:15 am

John Conley Lecture

Stages of Head and Neck Cancer Over the Passage of Time
Brian O'Sullivan, MD
Introduction:
Jonathan Irish, MD, MSc, FRCSC

CONCURRENT 1

MARYLAND A

9:05 am

Panel 1: Implications of AJCC Staging Changes on Clinical Care: The Unknown Primary and Oropharyngeal Cancer
Moderator: William Lydiatt, MD
Panelists:
Umamaheswar Duvvuri, MD, PhD
Carole Fakhry, MD, MPH
Brian O'Sullivan, MD
Jose Zevallos, MD, MPH

CONCURRENT 2

MARYLAND C

SS1: Technology

Moderators:
Sobia Khaja, MD
Daniel Knott, MD
Maie St John, MD, PhD

9:05 am

Computer Vision Using Hyperspectral Imaging & Machine Learning To Classify Tumor, Margin, and Soft-Tissues of the Head and Neck
Shamik Mascharak, MD

9:11 am

Early Results of Methylation Markers with Digital Droplet PCR for the Early Detection of Head and Neck Squamous Cell Carcinoma
Jason Chan, MD

9:17 am

Use of Transcervical Ultrasound for Identification of Primary Site in Patients With Oropharyngeal Cancer
C Burton Wood, MD

9:23 am

Discussion

9:29 am

The Learning Curve for Transoral Endoscopic Thyroid Lobectomy
Christopher R Razavi, MD

9:35 am

A Novel Flexible Robot for the Treatment of Oropharyngeal Carcinoma in Transoral Robotic Surgery
Jason Chan, MD

9:41 am

Combining Fluorescence Imaging with Transoral Robotic Surgery to improve Head and Neck Cancer Detection
Larissa Sweeny, MD

9:47 am

Using a Fluorescent Contrast Agent to Assess Surgical Margins in Head and Neck Cancer Resections
Rebecca W Gao, MS

9:53 am

Discussion

10:00 am

Coffee with Exhibitors
Maryland Foyer

CONCURRENT 1

MARYLAND A

SS2: Reconstruction and Rehabilitation

Moderators:
Scharukh Jalisi, MD
Rahul Seth, MD
Marita Teng, MD

10:30 am

National Variations in Fibula Free Flaps and the Role of Institutional Volume in Costs and Surgical Complication Rates
Rance J Fujiwara, BS

10:36 am

Celecoxib Decreases Acute Postoperative Opioid Requirements after Head and Neck Reconstruction with Free Tissue Transfer: A Matched-Cohort Study
Patrick Carpenter, MD

10:42 am

Infrahyoid Flap for Reconstruction of Head and Neck Defects
Marianne Nakai, MD

10:48 am

Discussion

10:55 am

Patterns of Loss of Venous Flow in Head and Neck Microvascular Surgery with Double Venous Anastomoses
Elliot Morse, BS

11:01 am

Frailty as a Predictor of Morbidity and Mortality in Microvascular Reconstructive Head and Neck Patients
Kelly F Moyer

11:07 am

Mandibular Reconstruction with the Tip of Scapula Free Flap
Jeffrey Blumberg, MD

11:13 am

Discussion

CONCURRENT 2

MARYLAND C

10:30 am

Panel 2: Implementing a Quality Program That Actually Improves Quality
Moderator: Christine Gourin, MD
Panelists:
Carol Lewis, MD, MPH
Lisa E Ishii, MD, MHS
Charles Meltzer, MD

CONCURRENT 1

MARYLAND A

11:30 am

Rapid Fire Session 1: Choosing Wisely and Evidence Based
Moderators:
Vikas Mehta, MD
Richard Wong, MD
Speakers:
Jimmy Brown, MD, DDS
Amy Hessel, MD
Larry Myers, MD
Liana Puscas, MD
Eugene Yu, MD

CONCURRENT 2

MARYLAND C

SS3: Immunotherapy and Adjuvant Therapies

Moderators:
Ellie Maghami, MD
Jonathan Mark, MD

11:30 am

Adjuvant Radiation for Positive Margins in Adult H&N Sarcomas is Associated with Improved Survival: Analysis of the National Cancer Database
Amanda J Kull, MD

11:36 am

PD-L1 May Serve as a Prognostic Biomarker in HPV-associated Head and Neck Cancer Patients
Austin K Mattox, MD

11:42 am

The Addition of Chemotherapy to the Adjuvant Therapy of Late-stage Salivary Squamous Cell Carcinoma is Associated with Improved Patient Survival
Shayan Cheraghloo, BA

11:48 am

Discussion

11:55 am

Adjuvant Radiation for T1-2N1M0 Oral Cavity Cancer is Associated with Improved Survival Outcomes: Analysis of the SEER Database
Hailey M Shepherd, BS

12:01 pm

Does Perioperative Oxandrolone Improve Nutritional Status in Patients with Cachexia Related to Head and Neck Carcinoma?
Angela M Osmolak, MD

12:07 pm

Longitudinal Immune Complexity Analysis Using 29-Biomarker Multiplex Immunohistochemistry in Primary and Recurrent Head and Neck Squamous Cell Carcinoma
Grace L Banik, MD

12:13 pm

Discussion

12:20 pm

AHNS Business Meeting
*Maryland A
Members Only*

12:30 pm

Lunch with Exhibitors
Maryland Foyer

1:30 pm

Keynote Lecture

Transforming Empathy to Empowerment: The 2017 Invictus Games & Lessons for Growing Cancer Awareness and Research
Michael Burns
Introduction by Jonathan Irish, MD, MSc, FRCSC

CONCURRENT 1

MARYLAND A

SS4: Thyroid

Moderators:
Lisa Orloff, MD
Nitin Pagedar, MD

2:20 pm

Voice Outcomes Following Surgery for Thyroid Cancer
Kevin J Kovatch, MD

2:26 pm

Utility of Intraoperative Frozen Section in Large Thyroid Nodules
Craig A Bollig, MD

2:32 pm

Trends in Opioid Prescribing Practices After Endocrine Surgery
Lauren B Moneta, MD

2:38 pm

Discussion

2:45 pm

Parathyroid Hormone Level Alone is Most Accurate Predictor of Intravenous Calcium Administration After Thyroidectomy
Catherine Frenkel, MD

2:51 pm

A Practical Method to Predict the Severity of Hypocalcemia after Parathyroidectomy for Primary Hyperparathyroidism
Changxing Liu, MD, PhD

2:57 pm

The Post-thyroidectomy Voice: The Disconnect Between Patient-perceived Voice Changes and Objective Voice Measures in the First Postoperative Year
Heidi Kletzien, MS

3:03 pm

Discussion

CONCURRENT 2

MARYLAND C

SS5: Larynx/Pharynx

Moderators:
Amit Agrawal, MD
Susan McCammon, MD
Shawn Newlands, MD, PhD

2:20 pm

Staging HPV-Related Oropharyngeal Cancer: Validation of AJCC 8 in a Surgical Cohort
Mathew Geltzeiler, MD

2:26 pm

Towards a Tumor-specific De-intensification Strategy in Oropharyngeal Squamous Cell Carcinomas: Using Tumor Immunophenotypes to Predict Patient Outcomes
Wesley H Stepp, PhD

2:32 pm

Abnormal Microvasculature in Laryngectomy Mucosal Margins Identified on Frozen Section is Associated with Increased Risk of Fistula
Marianne Abouyared, MD

2:38 pm

Discussion

2:45 pm

Occult Contralateral Nodal Disease in Oropharyngeal Squamous Cell Carcinoma Patients Undergoing Primary TORS with Bilateral Neck Dissection
Caitlin McMullen, MD

2:51 pm

The Role of Intravenous Acetaminophen in Post-Operative Pain Control in Head and Neck Cancer Patients
Erin J Smith, MD, MS

2:57 pm

Effect of Treatment Modality on Chronic Opioid Use in Patients with T1/T2 Oropharyngeal Cancer
Craig A Bollig, MD

3:03 pm

Discussion

3:10 pm

Coffee with Exhibitors
Maryland Foyer

CONCURRENT 1

MARYLAND A

3:40 pm

Panel 3: Thyroid Nodule Best Practices and Outcome Optimization
Moderator: Michael Singer, MD
Panelists:
William Armstrong, MD
Kevin Brumund, MD
Amy Chen, MD, MPH
David Goldstein, MD, FRCSC
Jacquie Jonklaas, MD, PhD, MPH
Luc Morris, MD MSc

CONCURRENT 2

MARYLAND C

SS6: Survivorship

Moderators:
Ehab Hanna, MD
Miriam Lango, MD
Russell Smith, MD

3:40 pm

Baseline Cognition Assessment among Oropharyngeal Cancer Patients using PROMIS and NIH Toolbox
Parul Sinha, MBBS

3:46 pm

Chronic Opioid Use in Patients with Oropharyngeal Squamous Cell Carcinoma Treated with Radiotherapy
Justin Dourado, MD

3:52 pm

Impact of Patient Symptoms on Caregiver Task Burden in Locally Advanced Head and Neck Cancer
Emily H Castellanos, MD

3:58 pm

Risk of Developing New Health Disorders Following Head and Neck Cancer Treatment Varies Significantly by Head and Neck Cancer Subsite: An Analysis of the Utah Head and Neck Cancer Survivor's Study
Marcus M Monroe, MD

Wednesday, April 18

WEDNESDAY, APRIL 18

AHNS CONT.

LOCATION: (UNLESS OTHERWISE NOTED)

GENERAL SESSION/CONCURRENT 1: MARYLAND A | CONCURRENT 2: MARYLAND C

4:04 pm

Discussion

4:10 pm

Racial Disparities and HPV Status in Oropharyngeal Cancer
Nicholas Lenze, BS

4:16 pm

Geographic Distance to Treatment Is Not Associated with Overall Survival
Douglas Farquhar, MD

4:22 pm

Neck Disability and Health-Related Quality of Life among Head and Neck Cancer Survivors Following Surgical and Non-surgical Treatment
Marci L Nilsen, PhD, RN

4:28 pm

Symptom Burden Associated With Late Lower Cranial Neuropathy in Long-Term Oropharyngeal Cancer Survivors
Puja Aggarwal, BDS, MPH

4:34 pm

Discussion

CONCURRENT 1

MARYLAND A

4:50 pm

Panel 4: Best Practices and Optimizing Outcomes in Parathyroid Disease
Moderator: Alfred Simental, MD
Panelists:
Kenneth Burman, MD
Maisie Shindo, MD
Brendan Stack, MD
David Terris, MD, FACE

CONCURRENT 2

MARYLAND C

4:50 pm

Panel 5: Sinonasal Malignancies
Moderator:
Ian Witterick, MD, MSc, FRCSC
Panelists:
Ehab Hanna, MD
Michael Moore, MD
Shirley Su, MBBS
Adam Zanation, MD

CONCURRENT 1

MARYLAND A

6:00 pm

Endocrine Section Business Meeting

CONCURRENT 2

CHESAPEAKE C

6:00 pm

Fellowship Information Session

7:00 pm

International AHNS Endocrine Meeting
Maryland A

AAFPRS

LOCATION: MARYLAND D (UNLESS OTHERWISE NOTED)

1:00 pm

Welcome and Introduction:
2 Cases

Sydney C Butts, MD
Travis T Tollefson, MD, MPH

Craniomaxillofacial Trauma – Podium Presentations

Moderator: Sydney C Butts, MD

1:03 pm

Cost-Analysis of Orbital Floor Implants in the Post-Traumatic Setting
Mark M Mims, MD

1:10 pm

Pediatric Mandible Fracture Management at a Tertiary Care Center: A 7-Year Experience of 150 Cases
Richard Kao, MD

1:17 pm

Mandible Fracture Outcomes at a High Volume Tertiary Trauma Center
Tsung-yen Hsieh, MD
Work Supported by AAFPRS Clinic Investigation Research Award

1:24 pm

Analysis of Preoperative Risk Factors for Post-Operative Complications in Facial Fracture Repair
Brandon Wachal, MD

1:31 pm

Discussion

1:37 pm

Panel

Frontal Sinus Fractures: Shifts Toward Sinus Preservation

Moderators:

Sydney C Butts, MD
Travis T Tollefson, MD, MPH

Panelists:

Oneida Arosarena, MD
Neal D Futran, MD, DMD
David Poetker, MD
Brad Strong, MD
Bradford A Woodworth, MD

Craniomaxillofacial Trauma – Show & Tell

2:10 pm

Show and Tell Session Introduction
Moderator: Sydney C Butts, MD

2:11 pm

Exophthalmometry in Orbital Reconstruction: A Pilot Study
Sarah R Akkina, MD

2:15 pm

Endoscopic Assisted Cranioplasty for Repair of an Isolated Anterior Table Frontal Sinus Fracture: Case Report and Review of Management Options
P Vairavan Manickam, MD

2:19 pm

Etiology and Management of Nasal Bone Fractures Presenting to the Emergency Department of a Tertiary Care Hospital
Mark A Arnold, MD

2:23 pm

Assessment of Oral Health-Related Quality of Life Outcomes in Patients with Mandible Fractures Using the GOHAI Questionnaire
John Hamblin, MD

2:27 pm

Discussion

2:30 pm

Membership in AAFPRS
Travis T Tollefson, MD, MPH

2:30 pm

Coffee with Exhibitors
Maryland Foyer

Facial Reanimation – Podium Presentations

Moderator:
Travis T Tollefson, MD, MPH

2:55 pm

Patient-Oriented Assessment of Online Facial Reanimation Resources
Andrew H Lee, MD

3:02 pm

Treatment Patterns and Outcomes in Botox Therapy for Patients with Facial Synkinesis
Justin Shinn, MD

3:09 pm

Impact of Early Eyelid Weight Implantation on the Development of Synkinesis and Recovery in Patients With Incomplete Recovery of Idiopathic Facial Palsy
Keon Parsa

3:16 pm

The Effects of Combinatorial Treatments on Recovery from Facial Nerve Injury
Morgan Sandelski, BS

3:23 pm

Multi-Institutional Outcomes from Lateral Eyelid Coupling for Facial Paralysis: The Hybrid Tarsconjunctival Flap
Raj Dedhia, MD
Work Supported by AAFPRS Clinic Investigation Research Award

3:30 pm

Discussion

Reconstruction – Podium Presentations

Moderator:
Travis T Tollefson, MD, MPH

3:32 pm

Activation of Hedgehog (Hh) Signaling Pathway Enhances the Bone Regeneration Mediated by the Delivery of VEGF and BMP-6 Tethered to a Novel Polysaccharide Scaffold in a Critical-sized Rat Mandibular Defect
Matthew Q Miller, MD
AAFP RS Bernstein Grant winner

3:39 pm

Functional Outcomes of TMJ Reconstruction with Vascularized Tissue
Nikolaus S Hjelm, MD

3:46 pm

Mohs Reconstruction Patient Reported Outcome Measure
Jared Christophel, MD, MPH

3:53 pm

The Pedicled Temporoparietal Fascia Flap for Nasal Lining Reconstruction in Subtotal Rhinectomy Defects
Elizabeth A Hobbs, MD

4:00 pm

Discussion

4:04 pm

Keynote
The Social Dimension of Facial Paralysis
Sofia Lyford-Pike, MD

Facial Reanimation – Show & Tell

Moderator:
Travis T Tollefson, MD, MPH
4:20 pm

Incongruity Between Patient Self-Perception and FACE Questionnaire: Social Function Scores in Facial Paralysis Patients
Jennifer R White

4:24 pm

Objectively Assessing Outcomes of Facial Defect Reconstruction Using Eye-Tracking
Jacob K Dey, MD

4:28 pm

The Health Utility Following Rhinectomy, Total Nasal Reconstruction and Prosthetic Nasal Rehabilitation
Olivia Quatela, BS

4:32 pm

Versatility of the DAOM Flap for Full-Thickness Upper and Lower Lip Defects
Taylor R Manton, MD

4:36 pm

Discussion

Reconstruction – Show & Tell

Moderator:
Travis T Tollefson, MD, MPH
4:40 pm

The Grecian Urn Necklift–Disc“URN”ing When It’s Indicated
Ashley L Miller, MD

4:44 pm

Anatomic Relationship of the Nerve to the Master Muscle: A Cadaveric Study
Adrian A Ong, MD

4:48 pm

Comparing Postoperative Outcomes of Free Flap Patients in a Specialty Step-down Unit versus Non-Specialty Intensive Care Unit
Shiayin F Yang, MD

4:52 pm

The Anterior Lateral Thigh Flap: Exploring the Versatility of a Workhorse
LCDR J Marshall Green III, DDS

4:56 pm

Costal Cartilage Grafting for Maxillary Augmentation in Binder’s Syndrome–Nasomaxillary Hypoplasia: A Review of Two Cases
Mark Armeni, MD

5:00 pm

Adjourn

5:30 pm

Essentials Course

Chesapeake DEF

Introduction and Welcome/
Stephen Park, MD

Cutaneous Lesions & Skin Flaps/
Stephen Park, MD

Head & Neck Reconstruction/
Facial Paralysis/ Terry A Day, MD

Rhinoplasty/ Robin Lindsay, MD

Facial Rejuvenation/
Edward H Farrior, MD

Maxillofacial & Soft Tissue Trauma/ John Frodel, MD

EXHIBITOR EVENTS!

Checkpoint Surgical An Alternative to Conventional Monitoring in Head & Neck Procedures

Wednesday, April 18
6:00 – 7:00 pm
Chesapeake 4–6

Cook Medical In-Office Sialendoscopy: Various Challenges & Keys to Success

Thursday, April 19
6:30 – 8:00 am
Chesapeake 10

Wednesday, April 18

WEDNESDAY, APRIL 18

ALA

LOCATION: MARYLAND B (UNLESS OTHERWISE NOTED)

1:00 pm

Welcome
Gady Har-El, MD

President's Address

From Laryngeal Oncology to
Oncologic Laryngology - The
ALA and Laryngeal Cancer
Gady Har-El, MD

Introduction of the Guest of
Honor
Peak Woo, MD

Presentation of Presidential
Citations
Dinesh Chhetri, MD
Maxine Cunningham, MBA
The New York Laryngological
Society

Recognition of the Program
Committee
Dinesh Chhetri, MD
Yolanda Heman-Ackah, MD
Natasha Mirza, MD
Michael Pitman, MD
Susan Thibeault, PhD
VyVy N Young, MD

Scientific Session I: Vocal Fold Paralysis

Moderators:
Randal C Paniello, MD, PhD
Sunil Verma, MD

1:31 pm

Resident Research Award
Vocal Motor Control and
Central Auditory Impairments
in Unilateral Vocal Fold
Paralysis
Molly Naunheim, MD

1:37 pm

Positive Effect of Nimodipine
on Vocal Fold and Facial
Motion Recovery Following
Injury - A Systematic Review
and Meta-Analysis
R Jun Lin, MD, MSc

1:43 pm

Dynamic Voice CT Scan
Improves Surgical Decision
Making for Complex Airway
Patients Undergoing
Reconstructive Voice Surgery
Mathieu Bergeron, MD, BPharm

1:49 pm

Prevalence and
Otolaryngology Resource
Utilization for Vocal Fold
Paralysis/Paresis after
Esophagectomy
Matthew G Crowson, MD

1:55 pm

Voice Outcomes following
Medialization Laryngoplasty
with and without Arytenoid
Adduction
Terence Zimmermann, MD, MPH

2:01 pm

Discussion

Scientific Session II: Airway Stenosis and Injury

Moderators:
Alexander T Hillel, MD
Michael Pitman, MD

2:11 pm

Nationwide Estimations of
Tracheal Stenosis Due to
Tracheostomies
Romaine F Johnson, MD, MPH

2:17 pm

Healthcare Costs and
Cost-effectiveness of
Laryngotracheal Stenosis
Linda X Yin, MD

2:23 pm

Drug Eluting Laryngeal
Stents in a Mouse Model of
Laryngeal Stenosis
Jason L Yu, MD

2:29 pm

Early Surgical Management of
Thermal Airway Injury: A Case
Series
Asitha Jayawardena, MD, MPH

2:35 pm

Discussion

2:45 pm

Coffee with Exhibitors
Maryland Foyer

Scientific Session III: Injury and Healing

Moderators:
Jennifer L Long, MD, PhD
Susan Thibeault, PhD, CCC-SLP

3:15 pm

Nanoparticle Delivery of
RNA-Based Therapeutics
to Alter the Local Vocal Fold
Response to Injury
Ryan C Branski, PhD

3:21 pm

The Ability of Conditioned
Media from Human Nasal
Inferior Turbinate-derived
Mesenchymal Stem Cells to
Repair Vocal Fold Injuries
Choung-Soo Kim, MD

3:27 pm

Wound Healing after Transoral
Angiolytic Laser Surgery for
Early Glottic Carcinoma
Lauren F Tracy, MD

3:33 pm

Investigation of Surgical
Adhesives for Vocal Fold
Wound Closure
Karen M Kost, MD

3:39 pm

Expression of Trophic
Factors Receptors during
Reinnervation after Recurrent
Laryngeal Nerve Injury
Ignacio Hernandez-Morato, PhD

3:45 pm

Laryngeal Adductor Function
Following KTP Laser Welding
of the Recurrent Laryngeal
Nerve
Neel K Bhatt, MD

3:51 pm

Discussion

4:00 pm

American Laryngological
Association Award
Eiji Yanagisawa, MD

4:05 pm

Gabriel F. Tucker, MD Award
Noel Garabédian, MD

4:10 pm

Panel Discussion
LEMG: What's All the Fuss?
Moderator: Allen Hillel, MD
Panelists:
Yolanda Heman-Ackah, MD
Allen Hillel, MD
Clark A Rosen, MD
Peak Woo, MD

5:00 pm

**Neurolaryngology Study
Group**
Spasmodic Dysphonia: Past,
Present and Future
Christy Ludlow, PhD

Thursday, April 19

AAFPRS

LOCATION: MARYLAND D (UNLESS OTHERWISE NOTED)

8:00 am

Welcome and Introduction:
2 Cases

Sydney C Butts, MD
Travis Tollefson, MD

Rhinoplasty – Podium Presentations

Moderator:
Travis T Tollefson, MD, MPH

8:05 am

Comparison of Primary and
Secondary Anterior Septal
Reconstruction: A Cohort
Study
Emily Spataro, MD

8:12 am

Characterization of a Moldable
Chondroitin Sulfate-Based
Diced Cartilage Graft for Use
in Rhinoplasty
Andrew H Lee, MD

8:19 am

Preoperative Expectation and
Postoperative Satisfaction
in Rhinoplasty Patients: A
Correlation Study
Cherian Kandathil, MD

8:25 am

Discussion

8:30 am

Panel

A Debate: The Rhinoplasty
Clinical Practice Guidelines

Moderator:
Travis T Tollefson, MD, MPH

Pain Management with
Nonnarcotics

Panelist: Sydney Butts MD

Patient Reported Outcome
Measures

Panelist: Sam P Most MD

Antibiotics

Panelist: Lisa E Ishii, MD, MHS

Nasal Packing and Stents

Panelist: Stephen Park, MD

Rhinoplasty – Show & Tell

Moderator:
Travis T Tollefson, MD, MPH

9:01 am

Endoscopic Pericranial Flap
for Nasal Septal Perforation
Repair
Candace Waters, MD

9:05 am

Differences in Lateral Wall
Insufficiency Grading and
their Correlation to Patient
Reported Nasal Obstruction
Measures
Shannon Flynn Rudy

9:09 am

Liposomal Bupivacaine
Does Not Increase Cost of
Rhinoplasty with Rib Cartilage
Graft
Andrew W Logeman, MD

9:13 am

Rhinoplasty Surgical Planning:
Visualization of Nasal Cartilage
on MicroCT and Clinical CT
Protocols
Rajeev C Saxena, MD, MBA

9:17 am

The Effect of Sociodemo-
graphic Factors on Functional
Rhinoplasty Outcomes of Na-
sal Obstruction and Revision
Surgery
Brian A Nuyen, MD

9:21 am

Discussion

9:25 am

Short- and Long-Term
Improvement in Sleep-
Disordered Breathing
Outcomes after Functional
Septorhinoplasty
Robin Lindsay, MD

9:29 am

Reconstruction of the
Nasal Framework with an
Osseocartilaginous Rib Graft
L-Strut
Peter J Ciolek, MD

9:33 am

The Rodent Costal Cartilage
Reconstructive Model
Karam W Badran, MD

9:37 am

Rhinoplasty Publications
Trends: What the Literature
Tells us About the Innovation in
Surgery and Scope of Practice
Cameron M Heilbronn

9:41 am

Latinos Display Same-Race
Initial Gaze Preference When
Viewing Latino and Caucasian
Rhinoplasty Patients
Michelle C Juarez, BS

9:45 am

Discussion

9:50 am

Membership in AAFPRS
Sydney C Butts, MD

9:51 am

Coffee with Exhibitors
Prince George's Exhibit Hall A

Emerging Technology & Techniques – Podium Presentations

Moderator: Sydney C Butts, MD

10:21 am

Mobile Applications in Facial
Plastics and Reconstructive
Surgery
Albert H Zhou, BS

10:28 am

Perception of Neck Scars After
Thyroid Surgery: Is There Social
Value in Avoiding a Neck Scar?
Jason C Nellis, MD

10:35 am

Do Trainee and Faculty
Surgeons Agree About What
Happens in the Operating
Room During Septoplasty
Procedures?
Anand Malpani, PhD

10:42 am

Measuring Flap Partial
Pressure of Oxygen Using
Electron Paramagnetic
Resonance Oximetry
Marc Alexander Polacco, MD

10:49 am

Utility of Laser Speckle
Contrast Analysis in
Measuring Tissue Perfusion in
a Rat Model
Mofiyinfolu Sokoya, MD

10:56 am

Discussion

11:00 am

Keynote

Computer Aided Surgery in
Maxillofacial Reconstruction
E Bradley Strong MD

Emerging Technology & Techniques – Show & Tell

Moderator: Sydney C Butts, MD

11:18 am

Hair Loss Significantly
Decreases Health Utility in
Males and Females and Is
Improved Following Hair
Transplant Surgery
Olivia E Quatela, BS

THURSDAY, APRIL 19

Thursday, April 19

AAFPRS CONT.

LOCATION: MARYLAND D (UNLESS OTHERWISE NOTED)

11:22 am

New Methods and Materials in Scaffold-Assisted Artificial Hair Implantation in a Rat Model

Roxana Moayer

Work supported by previous AAFPRS Resident Research Grants

11:26 am

A New Affordable Protocol for 3-Dimensional Models as an Aid for Orbital and Midface Reconstruction

Dominick J Gadaleta, MD

11:30 am

Using WhatsApp to Complement Teaching in a Facial Reconstruction Training Module in Haiti

Natalie Justicz, MD

11:34 am

Discussion

11:38 am

Readability of Online Materials Related to Facial Rejuvenation

Amar Gupta, MD

11:42 am

Non-invasive Video Monitoring of Blood Flow Validated Using Pulse Oximetry and the Allen Test

Annika Meyer, MD

11:46 am

Post-Thyroidectomy Neck Scars Lead to Attentional Distraction: An Objective Measurement of Social Attention Using Eye-Tracking

Michelle C Juarez, BS

11:50 am

Free Flap Monitoring Using Thermal Imaging

Annika Meyer, MD

11:54 am

Identifying At Risk Surgical Patient Populations For Medical Mission Trips To Colombia

Collin Rozanski, BA

11:58 am

Discussion

12:00 pm

Adjourn/ Closing Remarks/ Lunch with Exhibitors

Prince George's Exhibit Hall A

THURSDAY, APRIL 19



JOIN US!

1ST COMBINED POSTER RECEPTION
AAFPRS • ABEA • AHNS • ALA • ARS

Thursday, April 19, 5:30 – 7:00 pm
Prince George's Exhibit Hall A

2ND COMBINED POSTER RECEPTION
ANS • AOS • ASPO • TRIO

Friday, April 20: 5:30 – 7:00 pm
Prince George's Exhibit Hall A

6:30 am

AHNS Networking Breakfast

Sponsored by the Women in AHNS Committee, Diversity Task Force and Young AHNS Members Task Force Chesapeake 7-9

CONCURRENT 1

MARYLAND A

SS7: Skin Cancer

Moderators:

Babak Givi, MD
Kevin McLoughlin Higgins, MD, FRCS
Aru Panwar, MD

7:30 am

The Impact of Immunosuppression on Head & Neck Cutaneous Squamous Cell Carcinoma Prognosis: A Systematic Review of the Literature with Meta-Analysis
Alhasan N Elghouche, MD, MS

7:36 am

Outcomes of Biopsy Techniques Prior to Sentinel Lymph Node Biopsy for Primary Cutaneous Melanoma of the Head and Neck
Matthew May, MD

7:42 am

Oncologic Outcomes Following Primary Surgical Therapy for Advanced Basal Cell Carcinoma of the Head and Neck
Amarbir S Gill, MD

7:48 am

Discussion

7:55 am

Auriculotemporal Nerve Involvement in Parotid Bed Malignancy
James D Thompson, MD

8:01 am

Patient-specific Three-dimensional Printed Tissue-equivalent Bolus for Radiotherapy of Head and Neck Malignancies Involving Skin
Brandon A Dyer, MD

8:07 am

Infratemporal Fossa Resections in Patients with Advanced Cutaneous Non-melanoma Malignancies of the Head and Neck: A Retrospective Analysis of Surgical Cases at a Single, Tertiary Referral Center
Patrick F Morgan, MD

8:13 am

Discussion

CONCURRENT 2

MARYLAND C

7:30 am

Panel 6: Reconstruction - Cutting Guides vs. Cutting Costs: The Value of 3D Modelling and Virtual Surgical Planning
Moderator:
Danny Enepekides, MD, FRCS
Panelists:
Trinitia Cannon, MD
Douglas Chepeha, MD
Brett Miles, MD
Urjeet Patel, MD
Matthew Spector, MD

CONCURRENT 1

MARYLAND A

8:30 am

Hayes Martin Lecture

Connecting Health Systems Research and Health System Improvement. The Role of Governance and Policy
Adalsteinn Brown, AB, DPhil
Introduction by Jonathan Irish, MD, MSc, FRCS

9:15 am

AHNS Research Awards

9:30 am

Coffee with Exhibitors
Prince George's Exhibit Hall A

10:00 am

Presidential Address

Reflections
Jonathan Irish, MD, MSc, FRCS
Introduction by Ehab Hanna, MD

11:00 am

Jatin Shah Symposium: Personalized Medicine - Can We Afford It?
Moderator: David Eisele, MD
Speakers:
John de Almeida, MD, MSc
Robert Ferris, MD, PhD
James Rocco, MD, PhD
Ashok Shaha, MD

12:00 pm

Lunch with Exhibitors
Prince George's Exhibit Hall A

CONCURRENT 1

MARYLAND A

SS8: Best Papers of AHNS 2018

Moderators:

Peter Dziegielewska, MD, FRCS
Tanya Fancy, MD
Benjamin Judson, MD

1:00 pm

The Impact of the Affordable Care Act on Insurance Coverage for Head and Neck Cancer: A Population-Based Analysis
Richard B Cannon, MD

1:06 pm

Occult Nodal Disease and Occult Extranodal Extension in Oropharyngeal Squamous Cell Carcinoma Patients Undergoing Primary TORS with Neck Dissection
Caitlin McMullen, MD

1:12 pm

Perioperative Gabapentin use Among Head and Neck Surgical Patients
Melanie E Townsend, MD

1:18 pm

Discussion

1:25 pm

Differences in Opioid Utilization after Major Head and Neck Procedures: A Comparison of Institutions in Hong Kong and the United States
Ryan J Li, MD

1:31 pm

Delays During Treatment for Laryngeal Squamous Cell Carcinoma: An Analysis of the National Cancer Database
Elliot Morse, BS

1:37 pm

The Role of TRAF3/CYLD Mutations in the Etiology of Human Papillomavirus-driven Cancers of the Head and Neck
Tejas S Sathe

1:43 pm

Discussion

CONCURRENT 2

MARYLAND C

1:00 pm

Panel 7: Focus on Function - Maximizing Survivorship and Quality of Life After Treatment
Moderator:
Rosemary Martino, MSc, PhD
Panelists:
Liza Blumenfeld, MA, CCC-SLP, BCS-S
Timothy McCulloch, MD
Barbara Messing, MA, CCC-SLP
Bevan Yueh, MD

CONCURRENT 1

MARYLAND A

2:00 pm

Rapid Fire Session 2: Choosing Wisely and Evidence Based
Moderators:
Vikas Mehta, MD
Richard Wong, MD
Panelists:
Antoine Eskander, MD, ScM, FRCS
Becky Massey, MD
Cherie-Ann Nathan, MD
Cecelia Schmalbach, MD, MS
Catherine Sinclair, MD, FRACS

Thursday, April 19

AHNS CONT.

LOCATION: (UNLESS OTHERWISE NOTED)

CONCURRENT 1: MARYLAND A | CONCURRENT 2: MARYLAND C

CONCURRENT 2

MARYLAND C

SS9: Oral Cavity

Moderators:

Caitlin McMullen, MD, BS
Jeremy Richmon, MD
John Yoo, MD, FRCSC

2:00 pm

Prognostic Performance of the AJCC 8th Edition Staging System in Patients with Early Oral Tongue Cancer
Moran Amit, MD

2:06 pm

Is Oral Cavity Cancer in Young Non-smokers Biologically Distinct?
Kathryn M Vorwald, DDS, MD

2:12 pm

Comprehensive Analysis of Minor Salivary Gland Malignancies of the Head and Neck
Jamie Oliver

2:18 pm

Discussion

2:30 pm

Analysis of Risk Factors Associated with Unplanned Reoperation Following Major Cancer Operations of the Head and Neck
Neel R Sangal, BA

2:36 pm

Transcriptomic Profile of Squamous Cell Carcinoma of the Tonsil is Unique Compared to other Head and Neck Neoplasms
Shijun Sung, PhD

2:42 pm

Depth of Invasion as a Predictor of Nodal Disease and Survival in Patients with Oral Tongue Squamous Cell Carcinoma
Samantha Tam, MD

2:48 pm

Discussion

3:00 pm

Coffee with Exhibitors
Prince George's Exhibit Hall A

CONCURRENT 1

MARYLAND A

3:30 pm

Panel 8: Advances in Skin Cancer Management
Moderator: Kevin Emerick, MD
Panelists:
Peter Ahn
Arnaud Bewley, MD
Geoffrey Gibney
Samir Khariwala, MD
Kelly Malloy, MD

CONCURRENT 2

MARYLAND C

SS10: Quality Engineering and Pathways

Moderators:

Marc Cohen, MD, MPH
Vasu Divi, MD
Kristen Pytynia, MD, MPH

3:30 pm

Effectiveness of Non-opioid/Non-narcotic Postoperative Pain Management Regimen for Patients Undergoing Thyroidectomy and/or Parathyroidectomy
James R Biery, PAC

3:36 pm

Utility of the LACE index in Predicting 30-day Readmission Rate in Head and Neck Free Flap Microvascular Reconstruction Patients
Ashley M Bauer, MD

3:42 pm

Value of Intensive Care Unit-Based Management for Microvascular Free Flap Reconstruction in Head and Neck Surgery
Pratyusha Yalamanchi

3:48 pm

An Analysis of Processes of Care Measures Related to Delayed Postoperative Radiation Therapy in Patients with Surgically-Treated Head and Neck Cancer
Tyler A Janz, BS

3:54 pm

Discussion

4:00 pm

Identifying Predictors of Depression Development in Head and Neck Cancer Patients
Aru Panwar, MD

4:06 pm

Treatment Delays in Primarily-Resected Oropharyngeal Squamous Cell Carcinoma: An Analysis of the National Cancer Database
Elliot Morse

4:12 pm

Development of Multimodal Analgesia Pathway in Outpatient Thyroid Surgery is Associated with Dramatic Reduction in Opioid Use
Aru Panwar, MD

4:18 pm

Impact of Facility Head and Neck Cancer Resection Volume On Positive Margin Rate
Cheryl C Nocon, MD

4:24 pm

Discussion

CONCURRENT 1

MARYLAND A

4:30 pm

Panel 9: The Importance of Gender Equality in Lifting All Boats

Moderator:

Catherine Sinclair, MD, FRACS

Panelists:

Marion Couch, MD, PhD
Eben Rosenthal, MD
Ozlem Tulunay, MD

CONCURRENT 2

MARYLAND C

4:30 pm

Panel 10: Head and Neck Cancer Cooperative Group Clinical Trials: Updates and New Trial Concepts
Moderator: Steve Chang, MD

Panelists:

Steve Chang, MD
Robert Ferris, MD, PhD
Katherine Hutcheson, MD
Rosemary Martino, MSc, PhD
John Ridge, MD, PhD

5:30 pm

AHNS Poster Tours
Prince George's Exhibit Hall A

7:30 pm

AHNS President's Reception
National Harbor 11

**Scientific Session IV:
Cancer and Dysphagia**

Moderators:
Peter Belafsky, MD, PhD
Joel Blumin, MD

8:00 am

Molecular and Immunologic
Analysis of Tumors from
Non-smokers with Laryngeal
Squamous Cell Carcinoma
Ian-James Malm, MD

8:06 am

Outcomes of
Tracheoesophageal Puncture
in Twice-Radiated Patients
Kate Clancy, MD

8:12 am

Trans-Oral Tubed
Supraglottoplasty:
A New Approach to
Intracatable Aspiration
Yue Ma, MD

8:18 am

Airway Closure Delay: The
Predominant Pathophysiology
in Reflux-Associated Dysphagia
Katherine A Kendall, MD

8:24 am

Does Dysphagia Improve
Following Laryngeal
Reinnervation for Treatment
of Hoarseness in Vocal Fold
Paralysis?
Simon Brisebois, MD, MSc

8:30 am

Discussion

**Scientific Session
V: Hyerfunction and
Presbylarynx**

Moderators:
Michael M Johns III, MD
VyVy N Young, MD

8:40 am

Auditory-Perceptual and
Acoustic Evaluation of
the Effects of Deep Brain
Stimulation on Voice in
Dystonia Patients
Lyndsay L Madden, DO

8:46 am

Laryngeal Botulinum Toxin
Injection for Vocal Tremor:
The Utility of Concurrent Strap
Muscle Injection
Rebecca C Nelson, MD

8:52 am

Casselberry Award
Rejuvenation of Aged Larynx
with Alginate/Hyaluronic Acid
Hydrogel Which Release Basic
Fibroblast Growth Factor
(bFGF) Slowly
Seong Keun Kwon, MD, PhD

8:58 am

Geriatric Dysphonia: Different
Diagnoses in Different Cohorts
of Older Adults in a Specialty
Voice Clinic
Lee Akst, MD

9:04 am

Discussion

9:13 am

Introduction of State of the Art
Lecturer
Gady Har-El, MD

9:17 am

State of the Art Lecture
The State of the Art in
Managing Conflicts and
Disruptive Behavior in Surgery
Melina Kibbe, MD

9:45 am

Coffee with Exhibitors
Prince George's Exhibit Hall A

**Scientific Session VI:
Physiology**

Moderators:
Dinesh Chhetri, MD
Sid Khosla, MD

10:15 am

High-Resolution in Vivo
Coronal Cross-Sectional
Imaging of the Vocal Fold
during Phonation Using Long-
Range Optical Coherence
Tomography: First Report
of a Novel Diagnostic Tool
to Evaluate Vocal Fold
Morphometry and Kinematics
Giriraj K Sharma, MD, MS

10:22 am**Young Faculty/
Practitioner Award**

Unearthing a Consistent
Bilateral R1 Component of
the Laryngeal Adductor Reflex
in Awake Humans: A Stride
Forward in Our Understanding
of Laryngeal Pathophysiology
Catherine F Sinclair, MD

10:29 am

Chemical Receptors of the
Larynx: A Comparison of
Human and Mouse
Marie Jette, PhD

10:36 am

A Novel Means of Evaluating
Laryngeal Myoelectric Activity
Through High Density Surface
Electromyography: An Intuitive
Visualization Method of
Laryngeal Muscle Activity
David Bracken, MD

10:43 am

Premeability and Weibel-
Palade Bodies of the Blood
Vessels in the Human Vocal
Fold Mucosa
Kiminori Sato, MD, PhD

10:50 am

Discussion

11:00 am**Panel Discussion**

Innovation in Laryngology:
Update, Challenges, and
Future Directions
Moderator: Mark S Courey
Panelists:
Martin Burchell, MD
Alexander Gelbard, MD
Timothy McCullough, MD
Zhaoyan Zhang, PhD

11:50 am

ALA Research Grant Award

11:53 am

ALA Poster Presentation Awards

11:55 am

Introduction of the ALA 2019
President

12:00 pm

Ajourn / Lunch with Exhibitors
Prince George's Exhibit Hall A

12:05 pm

Group Photo (Members Only)
Maryland Ballroom FOyer

Thursday, April 19

ABEA

LOCATION: MARYLAND B (UNLESS OTHERWISE NOTED)

THURSDAY, APRIL 19

1:00 pm

Welcome
Poster Award Presentations
Chevalier Jackson Award
Presentation
James Burns, MD

Session IV: Dysphagia: Pathophysiology and Treatment

Moderators:
Brianna Crawley, MD
Rebecca Howell, MD

1:10 pm

Modified Transoral Resection
of Diverticula for Zenker's
Diverticulum
Attapon Junlapan, MD

1:16 pm

The Effects of Concurrent
Chemoradiation Therapy to
the Base of Tongue in a Pre-
Clinical Model
Peter Benedict, BA

1:22 pm

Pressure Abnormalities
in Patients with Zenker's
Diverticulum using Pharyngeal
High-Resolution Manometry
Sarah Rosen, MD

1:28 pm

Zenker's Diverticulum Repair: A
Comparative Look at Change
in Swallowing Function
Parth Shah, MD

1:34 pm

The Pill-5 Questionnaire:
Validation of a Pill Dysphagia
Symptom Assessment Tool
Nogah Nativ-Zeltzer, PhD

1:40 pm

Efficacy and Safety of
Esophageal Self-Dilation in
Patients with an Intact Larynx
Karla O'Dell, MD

1:46 pm

Discussion
Peter Belafsky, MD

1:55 pm

Chevalier Q. Jackson Lecture
Ambulatory Monitoring and
Biofeedback for Assessing
and Treating Voice Disorders
Robert Hillman, PhD

Session V: Pediatrics

Moderators:
Julina Ongkasuwan, MD
Doug Sidell, MD

2:15 pm

Outcomes of Prophylactic
Epiglottic Petiole Suspension
at the Time of Complete
Laryngofissure
Mathieu Bergeron, BPharm, MD,
FRCSC

2:21 pm

Utilization of Electronic
Medical Record-Based Tools
to Improve Timeliness of Care
in Patients Presenting with
Coin-Shaped Foreign Body
Ingestion
Jennifer Lavin, MD, MS

2:27 pm

Aspiration in Children with
Unilateral Vocal Fold Paralysis
Alexandria Itrace, MD

2:33 pm

Influence of Preoperative Voice
Assessment on Treatment Plan
Prior To Airway Surgery
Mathieu Bergeron, BPharm, MD,
FRCSC

2:39 pm

The OPPS/Cost Method: A Pilot
Study Assessing Value of Care
and Quality Improvement in
Pediatric Aerodigestive Disease
Steve Coppess, JD, MBA

2:46 pm

Age-Based Demographics of
Aspirated Foreign Bodies
Jill D'Souza, MD

2:52 pm

Discussion
Jill D'Souza, MD

3:00 pm

Coffee with Exhibitors
Prince George's Exhibit Hall A

3:30 pm

**Jamie Koufman Annual
Lecture**
The Unusual Breadth of Effect
of Whole Food Plant-Based
Nutrition on a Wide Variety of
Diseases, both as a Means of
Treatment and Prevention
T Colin Campbell, PhD

3:55 pm

**Panel II: Trach Lore:
Options, Management and
Modifications of Airway
Prosthesis**
Moderator: Paul C Bryson
Panelists:
James Daniero
Alexander Gelbard
Harry Hoffman
Christopher Wooten

4:40 pm

**Ellen M. Friedman Foreign
Body Case Presentations**
Limits of Endoscopy: A Case
of Treacherous Aerodigestive
Foreign Body
Rachel Kaye, MD

4:43 pm

The Fork in the Road:
A Laryngeal Filter Airway
Foreign Body
Jacob Kuperstock, MD

4:46 pm

**Ellen M. Friedman Foreign
Body Case Presentation and
Award**
Real Steak Knives of
Cincinnati: Repeated Foreign
Body Ingestion with Novel
Endoscopic Removal
Erin Harvey

5:00 pm

Adjourn

1:00 pm**Panel**

How to Use the New Sinus Codes

Moderator: Seth Brown, MD

Panelists:
Trisha Crishock
Peter Manes, MD

Session I

Moderators:
Spencer Payne, MD
Kevin Welch, MD

1:30 pm

Budesonide Irrigation with Olfactory Training Significantly Increases Chances for Improvement In Patients with Olfactory Loss Over Olfactory Training Alone

Teresa P Nguyen, BS

1:38 pm

Productivity Changes Following Medical and Surgical Treatment of Chronic Rhinosinusitis by Symptom Domain

Daniel M Beswick, MD

1:46 pm

Glucocorticoid Receptor Isoform Expression in Peripheral Blood Mononuclear Leukocytes of Patients with Chronic Rhinosinusitis

Robert J Taylor, MD

1:54 pm

Q&A

Session II

Moderators:
Michael Kohanski, MD
Murray Ramanathan, MD

2:00 pm

The Role of Quinine-responsive T2rs in Airway Immune Defense and Chronic Rhinosinusitis

Alan D Workman, BA

2:08 pm

Red Ginseng Improves Markers of Mucociliary Clearance and Reduces Pseudomonas Aeruginosa Biofilm Formation

Do-Yeon Cho, MD

2:16 pm

Nitric Oxide Releasing Nanoparticles as a Potent Antimicrobial Therapeutic Against Chronic Rhinosinusitis Bacterial Isolates

Waleed M Abuzeid, MD

2:24 pm

Discussion and Award Presentation

2:30 pm

Coffee with Exhibitors
Prince George's Exhibit Hall A

3:00 pm**Panel**

Basic Research in Rhinology: Perspective from the Bedside and the Bench

Moderator: Andrew Lane, MD

3:45 pm

Q&A

Session III

Moderators:
Stella Lee, MD
William Yao, MD

3:50 pm

Solitary Chemosensory Cells Producing IL-25 and Group-2 Innate Lymphoid Cells are Enriched in Chronic Rhinosinusitis with Nasal Polyps

Neil N Patel, BA, BS

3:58 pm

Highly Multiplexed Proteomic Analysis Reveals Significant Tissue and Exosomal Coagulation Pathway Derangement in Chronic Rhinosinusitis with Nasal Polyps

Sarina K Mueller, MD

4:06 pm

Ivacaftor Reverses Airway Surface Liquid Depletion Caused by Pseudomonas Aeruginosa-induced Acquired Cftr Dysfunction in Rabbit Nasal Epithelia

Bradford A Woodworth, MD

4:14 pm

Resveratrol and Ivacaftor Are Synergistic Cftr Channel Potentiators: Therapeutic Implications for Cf Sinus Disease

Do-Yeon Cho, MD
Presented by Jessica Grayson, MD

4:22 pm

Q&A

Session IV

Moderators:
Henry Barham, MD
Richard Lebowitz, MD

4:30 pm

Exosome Swarming Mediates Innate Immunity in Nasal Mucosa via no Associated Antimicrobial Activity and Passive Epithelial Immunoprotection

Angela L Nocera, MS

4:38 pm

Total Intravenous Anesthesia Improves Intraoperative Visualization During Surgery for High-grade Chronic Rhinosinusitis: A Double-blind Randomized Controlled Trial

Jacob P Brunner, MD

4:46 pm

Total Intravenous Anesthesia vs Inhaled Anesthetic for Intraoperative Visualization During Endoscopic Sinus Surgery: A Double Blind Randomized Controlled Trial

Michael J Little, MD

4:54 pm

Q&A & Adjourn

5:30 pm

ARS Poster Reception
Prince George's Exhibit Hall A

6:30 pm

ARS Welcome Reception
National Harbor 3



Friday, April 20

ARS

LOCATION: (UNLESS OTHERWISE NOTED)

CONCURRENT 1: MARYLAND B | CONCURRENT 2: MARYLAND D

CONCURRENT I

MARYLAND B

Session V

Moderators:

Thomas Higgins, MD

Stephanie Joe, MD

8:00 am

Automated Classification of Radiographic Osteomeatal Complex Inflammation Using Convolutional Neural Networks

Naweed Chowdhury, MD

8:07 am

Transorbital Neuroendoscopic Surgery Using the Superior Eyelid Approach – Trajectory Mapping and Outcomes

Parth V Shah, MD

8:14 am

Impact of High versus Low Risk Genotype on Sinonasal Development and Radiographic Disease in Cystic Fibrosis

Ashleigh A Halderman, MD

8:21 am

Sinus Surgery is Associated with Less Frequent Antibiotic Use in Cystic Fibrosis Patients with Lung Transplant

Tracy Z Cheng, AB

8:28 am

Q&A

CONCURRENT II

MARYLAND D

Session VI

Moderators:

Oswaldo Henriquez, MD

Monica Patadia, MD

8:00 am

A Multi-institutional Review of Outcomes in Biopsy-proven Acute Invasive Fungal Sinusitis

Grace Wandell, MD, MS

8:07 am

The Role of Galactomannan Aspergillus Antigen in Diagnosing Acute Invasive Fungal Sinusitis

Clelie C Melancon, MD

8:14 am

Size of Septectomy Does Not Affect Distribution of Nasal Irrigation Following Endoscopic Modified Lothrop Procedure

Dennis Tang, MD

8:21 am

Draf lib with Superior Septectomy vs Draf III: Comparison of Irrigant Penetration

Vidur Bhalla, MD

8:28 am

Q&A

CONCURRENT I

MARYLAND B

Session VII

Moderators:

Holly Boyer, MD

Anthony Del Signore, MD

8:32 am

Relationship Between Specific Atopic Diseases and In-vitro Allergen Tests

Kevin T Grafmiller, MD

8:39 am

Association Between Allergic Rhinitis, Increased Sleep Latency and Obstructive Sleep Apnea in United States Adults

Christopher R Roxbury, MD

8:46 am

Understanding the Propensity for Chronic Sinusitis in Patients on Immunosuppressive Therapy

Peter Papagiannopoulos, MD

8:53 am

Comparison of Outcomes Following the Use of Culture-directed Versus Non-culture Directed Antibiotics in Treatment of Chronic Rhinosinusitis

Carol H Yan, MD

9:00 am

Efficacy of Empiric Antimicrobial Prophylaxis After Fess

Harrison G Bartels, MD

9:07 am

Q&A

CONCURRENT II

MARYLAND D

8:32 am

Panel

ICAR: Allergic Rhinitis - What We Know and What We Don't

Panelists:

Sandra Lin, MD

Elina Toskala, MD

Session VIII

Moderators:

Ian Humphreys, MD

Charles Ebert, MD

9:04 am

Activation of the Rat Olfactory Bulb by Direct Ventral Stimulation Following Nerve Transection

Leandro Socolovsky, BS

9:11 am

Establishing the Minimal Clinically Important Difference for the Questionnaire of Olfactory Disorders

Jose L Mattos, MD, MPH

9:18 am

Olfactory Outcomes After Frontal Sinus Surgery and Stent Placement

Lauren C Williams, BA

9:25 am

Voxel Based Brain Perfusion Analysis for Olfactory Assessment in Patients with Dizziness and Dementia: Insights From Functional Spect Neuroimaging

Reza Nemati, MD

Presented by Zaman Afrasiabi, MD, MSc

9:32 am

Q&A

CONCURRENT I

MARYLAND B

9:15 am

Panel

Regional Variations in Chronic Rhinosinusitis

Moderator: James Palmer, MD

Panelists:

Alexander Chiu, MD

Martin Desrosiers, MD

Robert Kern, MD

Gretchen Oakley, MD

Rodney Schlosser, MD

CONCURRENT II

MARYLAND D

Session IX

Moderators:

Waleed Abuzeid, MD

Justin Turner, MD

9:36 am

Effects of Sinupret on Mucociliary Clearance and Airway Surface Liquid Height of Sinonasal Epithelial Cultures

Alan D Workman, BA

9:43 am

Ciliostimulatory Properties Of Broncho-vaxom® Soluble Components

Vasiliki Triantafyllou, BS

9:50 am

Cox-2 Overexpression in Schneiderian Papillomas

Kevin Hur, MD

9:57 am

Q&A

10:00 am

Break with Exhibitors
Prince George's Exhibit Hall A

CONCURRENT I

MARYLAND B

Session X

Moderators:
Andrew Goldberg, MD
Jivianne Lee, MD

10:30 am

The Sinonasal Microbiota,
Neural Signaling, and
Depression in Chronic
Rhinosinusitis
Michael Hoggard, BSc

10:37 am

Relative Abundance of
Nasal Microbiota in Chronic
Rhinosinusitis by Structured
Histopathology
Hannah N Kuhar, BA

10:44 am

Analysis of the Sinonasal
Microbiome in Exacerbations
of Chronic Rhinosinusitis
Subgroups
Laura J Vandelaar, MD

10:51 am

Predictive Measure of Sellar
Tumor Morphology for
Transsphenoidal Surgery
Andrew T Heffernan, MD

10:58 am

Discussion

CONCURRENT II

MARYLAND D

Session XI

Moderators:
John Lee, MD
Troy Woodard, MD

10:30 am

The Benefits of High Volume
Pituitary Centers: An Analysis
of Socioeconomic and
Morbidity Outcomes
Sean McKee, BS

10:37 am

Nationwide Analysis
of Uplanned 30-day
Readmissions After
Transsphenoidal Pituitary
Surgery
Zain H Rizvi, MD

10:44 am

Role of a Laser Sintered
Model to Train Endoscopic
Surgeons How to Manage a
Catastrophic Internal Carotid
Artery Injury
Guillermo Maza, MD

10:51 am

5-year Outcomes of
Salvage Endoscopic
Nasopharyngectomy for
Recurrent Nasopharyngeal
Carcinoma
Andrew Thamboo, MD, MHSc

10:58 am

Is There a Connection
Between Endoscopic
Endonasal Skull Base Surgery
and Empty Nose Syndrome?
A Pilot Cfd Study
Guillermo Maza, MD

11:05 am

Impact of Endoscopic
Craniofacial Resection on
Simulated Nasal Airflow and
Heat Transport
Parth Shah, MD
Presented by Lauren Tracy, MD

11:12 am

Discussion

CONCURRENT I

MARYLAND B

Session XII

Moderators:
Zachary Soler, MD
Jarrett Walsh, MD

11:02 am

Skills Transfer to Sinus
Surgery via a Low-cost
Simulation-based Curriculum
Richard A Harbison, MD, MS

11:09 am

Blinded Evaluation of Endo-
scopic Skill and Instructability
After Implementation of an En-
doscopic Simulation Experience
Elizabeth D Stephenson, BA

11:16 am

Double-blinded Randomized
Controlled Trial to Evaluate
a Novel Digital Platform to
Improve Patient Satisfaction
After Functional Endoscopic
Sinus Surgery (FESS)
Yu Ma, MD

11:23 am

Faculty Attitudes Towards
Rhinology Training: A Survey of
Rhinology Fellowship Programs
Charles A Riley, MD

11:30 am

Discussion

CONCURRENT II

MARYLAND D

11:15 am

Panel

Endoscopic Skull Base
Challenges

Moderator: Adam Zanation, MD

Panelists:
Nithin Adappa, MD
Dana Crosby, MD
Richard Harvey, MD
Bradford Woodworth, MD

CONCURRENT I

MARYLAND B

Session XIII

Moderators:
Anne Getz, MD
Sammy Khalili, MD

11:32 am

Gender-related Quality of
Life Assessments in Chronic
Rhinosinusitis
Gretchen M Oakley, MD

11:39 am

Deviations from Appropriate-
ness "Criteria" in the Manage-
ment of Chronic Rhinosinusitis
and Effect on Outcomes
Andrew Thamboo, MD
Presented by Zara Patel, MD

11:46 am

Quality Indicators for the
Management of Chronic
Rhinosinusitis
Justin Cottrell, MD

11:53 am

Analysis of Absorbable
Hemostatic Packing
Compared to Physiologic
Hemostasis in "Real World"
Sinus Surgery
Brett T Comer, MD

12:00 pm

Discussion

12:05 pm

Lunch with Exhibitors
Prince George's Exhibit Hall A

Session XIV

Moderators:
Erin O'Brien, MD
J Pablo Stolzovitzky, MD

1:00 pm

The Price of Pain in Chronic
Rhinosinusitis
Kristine A Smith, MD

1:07 pm

Postoperative Pain
Management After Sinus
Surgery: A Survey of the
American Rhinologic Society
Mingyang L Gray, MD, MPH

1:14 pm

Incidence and Predictive
Factors for Additional Opiate
Prescription After Endoscopic
Sinus Surgery
Aria Jafari, MD

1:21 pm

Predictive Value of Baseline
and Post-operative
Snot-22 on Additional
Opiate Prescriptions After
Endoscopic Sinus Surgery
Sarek A Shen, BS

1:28 pm

Q&A

Friday, April 20

ARS CONT.

LOCATION: (UNLESS OTHERWISE NOTED)

CONCURRENT 1: MARYLAND B | CONCURRENT 2: MARYLAND D

Session XV

Moderators:

Philip Chen, MD
Joshua Levy, MD**1:32 pm**Early Life Risk Factors for Chronic Sinusitis: A Longitudinal Birth Cohort Study
Eugene H Chang, MD**1:39 pm**Impact of Bitter Taste Phenotype Upon Clinical Presentation in Crs
Nicholas R Rowan, MD**1:46 pm**Mucus Th2 Biomarkers Predict Chronic Rhinosinusitis Disease Severity and Need for Revision Surgery
Justin H Turner, MD, PhD**1:53 pm**Shortcomings in the Diagnosis of Chronic Rhinosinusitis: Evaluating Accuracy by Otolaryngologists Versus Primary Care Physicians
Christopher C Xiao, MD**2:00 pm**

Q&A

2:05 pm

Business Meeting

Session XVI

Moderators:

Jose Gurrola, MD
Edward Kuan, MD**2:15 pm**Factors Associated with Revision Surgery After Balloon Sinuplasty
Matthew W Cooper, MD**2:22 pm**Operative Time and Cost Variability in Endoscopic Sinus Surgery
Andrew J Thomas, MD**2:29 pm**Randomized Controlled Trial Comparing the Laryngeal Mask Airway to use of an Endotracheal Tube in Sinonasal Surgery
Justin Turner, MD
Presented by Todd Wannemuehler, MD**2:39 pm**The Endocannabinoid Receptor Cb2r is Significantly Over-expressed in Aspirin Exacerbated Respiratory Disease
Joshua M Levy, MD, MPH**2:46 pm**Alcohol-induced Respiratory Symptoms Improve After Aspirin Desensitization in Patients with Aspirin Exacerbated Respiratory Disease
Jordan T Glicksman, MD, MPH**2:53 pm**The Presence of Tissue Eosinophil Aggregates Correlates with Increased Prednisone Requirement After Sinus Surgery to Control Mucosal Inflammation
Bobby A Tajudeen, MD**3:00 pm**

Q&A

3:03 pmCoffee with Exhibitors
Prince George's Exhibit Hall A

Session XVII

Moderators:

Jonathan Ting, MD
Adam DeConde, MD**3:30 pm**Cell Culture Alters the Basal and Progenitor Cell Populations of Human Sinonasal Epithelium
Syed M Khalil, MSPH, PhD**3:37 pm**Do Mucin Degrading Microbes Contribute to the Pathogenesis of Chronic Rhinosinusitis?
Do-Yeon Cho, MD**3:44 pm**Expression of Iron-regulatory Hormone Heparin, and Iron Transporters Ferroportin and Zip8 in Sinus Mucosa of Patients With and Without Chronic Rhinosinusitis
David Hsu, MD**3:51 pm**Nasal Transcriptome Analysis Reveals Nrf2 Pathway Associated Genes Are Down-regulated in Chronic Air Pollutant-induced Rhinosinusitis in Mice
Nyal London, Jr, MD, PhD**3:58 pm**Fibroblast Wnt Signaling Influences Ciliary Differentiation in Chronic Rhinosinusitis with Nasal Polyps
Alex Dobzanski, BA**4:05 pm**

Q&A

4:15 pm

Panel

Residency Training Council
Moderator: David Poetker, MD
Panelists:
Ara Chalian, MD
Michael Stewart, MD

7:00 am**Business Meeting /
New Fellow Ceremony
and Reception****7:55 am**

Welcome & Opening Remarks
by President
Mark S Persky, MD

Presidential Citations by Mark
S Persky, MD

Recipients:
Sujana S Chandrasekhar, MD
Stanley M Shapshay, MD
My Residents – Past and Present

8:05 am**Presidential Address**

Patient Trust - Entitled or
Earned?
Mark S Persky, MD

8:25 am**Introduction of Guest of
Honor and Joseph H Ogura,
MD Annual Lecturer**

Inspiring Change from Within
Dana M Thompson, MD, FACS
Open to all COSM registrants

9:05 am

Introduction of 2018 Thesis
Award Presenters
Dana M Thompson, MD

9:07 am**2018 Harris P Mosher Award
for Clinical Research – Thesis
Presentation**

How Does Aging Affect
Recognition of Spectrally
Degraded Speech?
Aaron C Moberly, MD

9:14 am**2018 Edmund Prince Fowler
Award for Basic Research -
Thesis Presentation**

Disruption of Sinonasal
Epithelial Nrf2 Enhances
Susceptibility to Rhinosinusitis
in a Mouse Model
Murugappan Ramanathan, MD

9:21 am**2018 Maureen Hannley
Award for Alternative Science
- Thesis Presentation**

A Comprehensive Look at
Chronic Rhinosinusitis Using a
Claims Database
James C Denny, MD

9:28 am

Q&A

9:33 am

Coffee with Exhibitors /
View Posters

*Prince George's Exhibit Hall A***CONCURRENT 1****MARYLAND A****9:55 am****Head and Neck Panel
Survivorship: A Critical
Program for Cancer Patients**

Moderator: Jonas T Johnson, MD
Panelists:
Susan George, PT, DPT, MS
Leila Mady, MD, PhD, MPH
Marci L Nilsen, PhD, RN
Tamara Wasserman, MS, CCC-
SLP

**Head & Neck and
Laryngology**

Moderators:
Miriam Lango, MD
Giovana R Thomas, MD

10:35 am

Spinal Accessory Nerve
Neural Mapping Reduces
Shoulder Syndrome in Neck
Dissection
Robert L Witt, MD

10:40 am

Outcomes and Prognostic
Factors for p16 Positive
Oropharyngeal Carcinoma: A
Long Term Analysis
Parul Sinha, MBBS

10:45 am

Racial Differences in Oral
Human Papillomavirus
Infection and Sexual
Behaviors in the United States
Janet S Choi, MD, MPH

10:50 am

Long Term Quality of Life in
Patients Receiving Definitive
Multimodality Treatment
for Sinonasal Skull Base
Malignancies
Matthew A Tyler, MD

10:55 am

Postoperative Analgesic
Requirement and Pain
Perceptions after Minor Head
and Neck Surgery
Elizabeth D Stephenson, BA

11:00 am

HPV+ Oropharyngeal Cancer:
Do You Really Know Your
Patients?
Annika M Meyer, MD

11:05 am

Utilization of Post-Acute
Care Following Major Head
and Neck Oncologic Surgery
with Free Flap Microvascular
Reconstruction
Harman S Parhar, MD

11:10 am

Q&A

11:15 am**Laryngology Panel
State of the Art**

Moderator:
Julina Ongkasuwan, MD
Panelists:
Jonathan M Bock, MD –
Objective Reflux Testing
Tanya K Meyer, MD –
Injection Augmentation
Marshall E Smith, MD –
Reinnervation Revisited
Karen B Zur, MD –
Pediatric Voice

12:00 pm

Adjourn

CONCURRENT 2**MARYLAND C****Otology/Neurotology
and Pediatric
Otolaryngology**

Moderators:
Joni K Doherty, MD PhD
Michael Hoa, MD

9:55 am

Policy vs. Patient Safety and
the Annulment of Medical
Clearance Exams for Hearing
Aids: Are We Closing the
Book too Soon?
Tedeon K Green, MD

10:00 am

Twelve Month Outcomes of
Eustachian Tube Procedures
for Management of Patulous
Eustachian Tube Dysfunction
Bryan K Ward, MD

10:05 am

Development of a Novel Aug-
mented Reality (AR) Platform
for Lateral Skull Base Anatomy
Pawina Jiramongkolchai, MD

10:10 am

Temporal Bone CT Scan
for Middle Ear Ligaments
Assessment
Davood K Hosseini, MD

10:15 am

Human Caudate Nucleus Sub-
divisions in Tinnitus Modulation
Philip L Perez, MD

10:20 am

Otosyphilis: Resurgence of
an Old Disease with a New
Presentation
Hailey A Theeuwes, BS

10:25 am

Over the Counter Tinnitus
Cures: Hucksters' Promises
Do Not Ring True
Varun Vendra, MD

10:30 am

Radiographic Findings in
Young Adults with Asymmetric
Sensorineural Hearing Loss
Catherine Y Park, MS

Friday, April 20

TRIO CONT.

LOCATION: (UNLESS OTHERWISE NOTED)

GENERAL SESSION/CONCURRENT 1: MARYLAND A | CONCURRENT 2: MARYLAND C

10:35 am

Shifting Trends in Management of Vestibular Schwannoma – A National Cancer Database Analysis
Bassel A Bashjawish, BA

10:40 am

Q&A

10:45 am

Otology/Neurotology Panel
Is the Eustachian Tube the Key?

Moderator: Joseph G Feghali, MD

Panelists:

Sujana S Chandrasekhar, MD
Dennis S Poe, MD, PhD
William H Slatery III, MD
Eric E Smouha, MD

Pediatric Otolaryngology

Moderators:

Diego A Preciado, MD, PhD
Jeffrey P Simons, MD

11:30 am

Pediatric HIV and Otolaryngologic Manifestations: An Analysis of Hospital Admissions from 1997-2012
Aparna Govindan, BA

11:35 am

Age Stratified Differences in Management and Outcomes of Pediatric Cervical Abscesses
Jonathan A Harounian, MD

11:40 am

Validating Peritonsillar Abscess Surgical Drainage Rates among Pediatric Patients Using the Pediatric Hospital Information System (PHIS) Data
Allison G Ordemann, MD

11:45 am

Increased Rate of Bleeding with Ibuprofen Use after Tonsillectomy: A Meta-Analysis
William A Stokes, MD

11:50 am

Are Zika Exposed Infants at Risk? Early Swallow and Hearing Outcomes One Year after the Outbreak
Si Chen, MD

11:55 am

Evaluation of a Magnetic Resonance Imaging Only Protocol in the Assessment of Children Prior to Cochlear Implantation
Jennifer M Siu, MD

12:00 pm

Cervical Abscess Outcomes in Children under 2 Years
Jonathan A Harounian, MD

12:05 pm

Q&A

12:10 pm

Adjourn

5:30 pm

TRIO Meet the Authors Poster Reception

ALA

LOCATION: MARYLAND D (UNLESS OTHERWISE NOTED)

1:00 pm

Introduction
Daniel C. Baker MD Lecture
Marshall Smith, MD

1:02 pm

Daniel C. Baker MD Lecture
Truth, Hersey and Paradigm Shifts
Gayle E Woodson, MD

Scientific Session VII: Laryngeal Surgery

Moderators:

Thomas Carroll, MD
C Blake Simpson, MD

2:03 pm

Anesthesia and Ventilation Options for Flex Robotic Assisted Laryngopharyngeal Surgery
Yosef Krespi, MD

2:10 pm

Are Perioperative Antibiotics Necessary during Direct Microlaryngoscopy?
Sunil Verma, MD

2:17 pm

The Glottis is not Round: A Novel, Anatomically Appropriate Dilatation Method for the Treatment of Early Posterior Glottic Stenosis
Daniel J Cates, MD

2:24 pm

Anatomic Considerations for a Posterior Endoscopic Approach to the Cricothyroid Joint
Michael Z Lerner, MD

2:31 pm

Surgical Treatment of Glottic Web using Butterfly Mucosal Flap Technique: Experience on 12 Patients
Taner Yilmaz, MD

2:38 pm

Discussion

4:00 pm

Panel Discussion

R.I.P. RRP: What Lies Ahead for Advanced RRP

Moderator:

Gaelyn Garrett, MD, MMHA

Panelists:

Clint Allen, MD
Craig Derkay, MD
Gaelyn Garrett, MD
Alexander Gelbard, MD
Richard Schiegel, MD, PhD

5:00 pm

Adjournment

1:00 pm

ALA's Daniel C. Baker, Jr., MD
Lecture

Session VI: Airway/ Head & Neck Surgery I

Moderators:
Nazaneen Grant, MD
Laura Dominguez, MD

1:25 pm

Treatment of Idiopathic
Subglottic Stenosis with Serial
Awake Steroid Injections:
A Case Series
Melissa Bender, MD

1:31 pm

Evaluating the Influence of
Cardiopulmonary Function on
Complications Among Patients
Mahmoud Awad, MD

1:37 pm

Real-time Robotic Airway
Measurement: An Additional
Benefit of a Novel Steady-hand
Robotic Platform
Christopher Razavi, MD

1:43 pm

The Application of
Computational Fluid
Dynamics in the Evaluation of
Laryngotracheal Stenosis
Eric Mason, MD

1:49 pm

Vocal Fold Botulinum Toxin
Injection for Refractory
Paradoxical Vocal Fold Motion
Disorder
Brad deSilva, MD

1:55 pm

Discussion
Robert Buckmire

2:03 pm

ALA Podium Papers

2:45 pm

Coffee with Exhibitors
Prince George's Exhibit Hall A

Session VII: Airway/ Head & Neck Surgery II

Moderators:
Jim Daniero, MD
Robbi Kupfer, MD

3:15 pm

Functional Outcomes Following
Stapler-Assisted Laryngectomy
Compared to Laryngectomy
with Manual Suture Closure of
the Neopharynx
Richard Heyes, MRCS

3:21 pm

Comparing Outcomes in
Functional Total Laryngectomy
to Oncologic Total
Laryngectomy
Scott Hall, MD

3:27 pm

Cervical Slide Tracheoplasty in
Adults with Tracheal Stenosis
Andrew Redmann, MD

3:33 pm

Trends in Tracheal Stenosis in
the United States
Romaine Johnson, MD

3:39 pm

Recurrent Angioedema –
Incidence, Etiology, Treatment,
and Outcomes
Suraj Kedarisetty, MD

3:45 pm

Endoscopic Silastic
Medialization for Unilateral
Vocal Fold Paralysis
Ihab Atallah, MD, PhD

3:51 pm

Discussion
Jim Netterville

4:00 pm

Panel III: Joint ABEA / ALA
Panel

R.I.P. RRP: What Lies Ahead
for Advanced RRP

Moderator: C Gaelyn Garrett, MD

Panelists:

Clint Allen, MD
Craig Derkay, MD
Richard Schlegel, MD, PhD

5:00 pm

Adjourn

1:00 pm

Business Meeting

New Member Introductions
Members Only

Scientific Session

1:30 pm

Welcome & Opening Remarks
by the President
Roberto A Cueva, MD

1:30 pm

Presidential Citations

Paul E Bernstein, MD
Michael E Glasscock, III, MD
Jeffrey P Harris, MD, PhD
Bill Mastrodimos, MD

1:40 pm

Guest of Honor Lecture

A Framework for Personalized
Diagnosis and Therapy of
Sensorineural Hearing Loss
Konstantina M Stankovic, MD,
PhD, Massachusetts Eye and Ear
Infirmary/Harvard Medical School

2:10 pm

Resident Research Travel Award

Vestibular Function and
Hippocampal Volume in the
Baltimore Longitudinal Study
of Aging (BLSA)
Rebecca J Kamil, MD

2:18 pm

Cognitive Predictors of
Cochlear Implant Outcomes
in Adults
Aaron C Moberly, MD

2:26 pm

Nonverbal Reasoning as
a Contributor to Speech
Recognition Outcomes in
Adults with Cochlear Implants
Jameson K Mattingly, MD

2:34 pm

Hearing Loss Predicts Brain
Activity in Patients with
Alzheimer's Disease Dementia
Richard K Gurgel, MD

2:42 pm

Discussion

2:45 pm

Coffee with Exhibitors
Prince George's Exhibit Hall A

3:15 pm

Long-term Outcomes of
Ossiculoplasty with and
without an Intact Malleus
Joshua C Page, MD

3:23 pm

Variation in Tympanoplasty
Cost in a Multihospital
Network
Geoffrey C Casazza, MD

3:31 pm

BAHA Skin Complications
in the Pediatric Population:
Systematic Review with Meta-
Analysis
Scott Shapiro, MD

Friday, April 20

AOS CONT.

LOCATION: MARYLAND C (UNLESS OTHERWISE NOTED)

3:39 pm

Cell Proliferation Patterns in the Healing Mouse Tympanic Membrane

Divya A Chari, MD

3:47 pm

Treatment of Ciprofloxacin-Resistant Ear Infections

Kathryn Y Noonan, MD

3:55 pm

AOS Clinician Scientist Award Presentation

Multi-Sensory Modulation of Tinnitus Correlates in Primary Auditory Cortex

Gregory J Basura, MD, PhD
University of Michigan

4:10 pm

Discussion

4:15 pm

Panel

Management of Vestibular Schwannoma in the Only Hearing Ear

Moderator: Roberto A Cueva, MD

Panelists:

Erika A Woodson, MD
Rick A Friedman, MD, PhD
Derald E Brackmann, MD
John P Leonetti, MD

5:00 pm

Announcement of AOS/ANS Poster Awards

Carol A Bauer, MD –
AOS Education Director
Craig A Buchman, MD –
ANS Education Director

5:05 pm

Adjourn

ASPO

LOCATION: MARYLAND A (UNLESS OTHERWISE NOTED)

1:00 pm

KEY01: Welcome and Bluestone Lecture

Surgical Ethics and the Future of Surgical Practice

Peter Angelos, MD, PhD

GS01: Updates in Education and Clinical Practice

2:00 pm

Can We Learn Faster? A Pilot Study on the Use of Surgical Videos and Tonsillectomy OSATS

Miranda Colletta, MD

2:07 pm

Multi-Center Inter-Rater Reliability in The Endoscopic Assessment of Velopharyngeal Function using a Video Instruction Tool

Craig Miller, MD

2:14 pm

Consent in Flexible Laryngoscopy – A Survey of ASPO Members

Romaine Johnson, MD

2:21 pm

Q&A

2:30 pm

Coffee with Exhibitors

Prince George's Exhibit Hall A

GS02: Airway

3:00 pm

The Wound Healing Capacity of Undifferentiated and Differentiated Airway Epithelial Cells In Vitro

Cynthia Schwartz, MS

3:07 pm

Loss of Mesenchymal Tsc2 Expression Leads to Tracheal Stenosis Formation

Christian Hocstim, MD, PhD

3:14 pm

Growth and Management of Repaired Complete Tracheal Rings after Slide Tracheoplasty

Lyndy Wilcox, MD

3:21 pm

Innovative Management of Severe Tracheobronchomalacia using Anterior and Posterior Tracheobronchopexy

Claire Lawlor, MD

3:28 pm

Q&A

GS03: Otitis Media / Otology

3:40 pm

Clinical Practice Guideline Adherence in Tympanostomy Tube Placement for Treatment of Recurrent Acute Otitis Media

Sierra Gaffney, BS

3:47 pm

Congenital Cytomegalovirus and Hearing Loss: How Much Do Otolologists and Pediatric Otolaryngologists Know?

Kavita Dedhia, MD

3:54 pm

An Innovative Cell Culture Approach for the Study of Neutrophil Migration and MUC5B Expression in Chronic Otitis Media

Stéphanie Val, PhD

4:01 pm

Q&A

4:10 pm

Cotton-Fitton Panel:
P01: Educating in the 21st Century: How Can We Adapt to Face the Challenges of a Changing Student – Teacher Dyad?

Moderator:
Eric Gantwerker, MD, MS, MMSc, MEd

Panelists:

Gi Soo Lee, MD, MEd
Michael McCormick, MD
Gresham Richter, MD
Soham Roy, MD

5:30 pm

ASPO Poster Session

Prince George's Exhibit Hall A

Saturday, April 21

AOS

LOCATION: MARYLAND C (UNLESS OTHERWISE NOTED)

7:00 am

Business Meeting

Committee Reports

Members Only

Scientific Session

7:30 am

Welcome & Opening Remarks
by the President

Roberto A Cueva, MD

7:35 am

Acute Otitis Media and
Associated Complications
in United States Emergency
Departments

Yin Ren, MD, PhD

7:43 am

Assessing Cochlear Implant
Performance in Older Adults
Using a Single, Universal
Outcome Measure Created
Via Imputation in a National
Web-Based Database

Rahul K Sharma, BS

7:51 am

Adolescent Obesity is an
Independent Risk Factor
for Sensorineural Hearing
Loss: Results from the
National Health and Nutrition
Examination Survey (NHANES)
2005-2010

Gavriel D Kohlberg, MD

7:59 am

Feasibility of a Direct-to-Patient
Electronic Survey for the
Diagnosis of BPPV

David R Friedland, MD, PhD

8:07 am

Risk of Sensorineural
Hearing Loss with Short-term
Azithromycin Therapy:
A Retrospective Cohort Study

Adel Alrwan, PhD

8:15 am

Resident Research Travel Award

Idiopathic Sudden
Sensorineural Hearing Loss is
Not a Sentinel Event for Acute
Myocardial Infarction

Matthew G Crowson, MD

8:23 am

Discussion/Introduction

8:30 am

Saumil N. Merchant Memorial Lecture

Music for Deaf Ears: Cochlear
Implants, Music and the Brain

Charles J Limb, MD
University of California San
Francisco School of Medicine

9:00 am

Rational Cochlear Implant
Electrode Design Based
upon Temporal Bone
Histopathology

Akira Ishiyama, MD

9:08 am

Safety and Outcomes of
Children Implanted under 36
Months

Stephen R Hoff, MD

9:16 am

Beyond Sentence Recognition
in Quiet for Older Adults:
Implications for Cochlear
Implant Candidacy

Emily Zhang, BA

9:24 am

Further Evidence of the
Relationship Between
Cochlear Implant Electrode
Positioning and Hearing
Outcome

Jack H Noble, PhD (Primary)
Robert F Labadie, MD, PhD,
MMHC (presenter)

9:32 am

Earphone and Aided Word
Recognition Differences in
Cochlear Implant Evaluations

Theodore R McRackan, MD,
MSCR

9:40 am

Discussion

9:45 am

Coffee with Exhibitors

Prince George's Exhibit Hall A

10:15 am

Inappropriate Use of Systemic
Antibiotics for Acute Otitis
Externa: Impact of the 2006
Clinical Practice Guideline

Xi Wang, MPH

10:23 am

A Case-Control Study of
Hearing Outcomes between
Middle Fossa Craniotomy
and Transmastoid Approach
for Surgical Repair of
Superior Semicircular Canal
Dehiscence Syndrome

Lisa Zhang, BS

10:31 am

Next-Generation Sequencing
of Sporadic Vestibular
Schwannoma: Necessity of
the Two-Hit Mechanism and
Implications of Accessory
Non-NF2 Alterations

Matthew L Carlson, MD

10:39 am

Immunolocalization of the
Amiloride-Sensitive Epithelium
Sodium Channel Beta Subunit
(ENaC β) in Human Vestibular
End Organs in Normative and
Meniere's Disease

Michele M Gandolfi, MD

10:47 am

Perceptions from Adult
Individuals with Hearing Loss
when Communicating in the
Healthcare Setting

Madelyn N Stevens, BA

10:55 am

Flat Panel Computed
Tomography in the Diagnosis
of Superior Canal Dehiscence
Syndrome

Alexandra E Tunkel

11:03 am

Discussion

11:08 am

Panel

Current Management of Single
Sided Deafness: Options and
Controversies

Moderator: Anil K Lalwani, MD

Panelists:

Kevin D Brown, MD, PhD

Joni K Doherty, MD, PhD

Samuel P Gubbels, MD

Marlan R Hansen, MD

Craig A Buchman, MD

12:00 pm

Adjourn /

Lunch with Exhibitors

Prince George's Exhibit Hall A

SATURDAY, APRIL 21

Saturday, April 21

ASPO

LOCATION: (UNLESS OTHERWISE NOTED)

GENERAL SESSION/CONCURRENT 1: MARYLAND A | CONCURRENT 2: MARYLAND D

7:30 am

ASPO Business Meeting and Awards Ceremony

8:40 am

KEY02: Invited Lecture

Clinician Advocacy: Improving Child Health Through Public Policy

Mark Del Monte, JD

9:30 am

Coffee with Exhibitors

Prince George's Exhibit Hall A

CONCURRENT 1

MARYLAND A

10:00 am

P02: Anesthetic Neurotoxicity Risk: FDA Warnings and Impact on Future Surgical Decision-Making in Pediatric Otolaryngology?

Moderator: Kris Jatana, MD

Panelists:

Raeford Brown, MD

Ron Mitchell, MD

Lisa Wise-Faberowski, MD

CONCURRENT 2

MARYLAND D

10:00 am

P03: Airway Tissue Engineering: Challenges Faced in Clinical Translation

Moderator: Tendy Chiang, MD

Panelists:

James Dennis, PhD

Christian Hochstim, MD

Jed Johnson, PhD

CONCURRENT 1

MARYLAND A

CS01: Tonsils & Adenoids

10:50 am

Preventing Unnecessary Intensive Care Unit Admissions in Children with Severe Obstructive Sleep Apnea after Adenotonsillectomy

Zachary Zimmerman, MD

10:57 am

Drug Induced Sleep Endoscopy for Targeted Pediatric Sleep Surgery

Suzanne Forman, DO

11:04 am

Impact of Child Life Services versus Benzodiazepine Pre-medication on Postoperative Throughput for Ambulatory Pediatric Adenotonsillectomy

Sophie Shay, MD

11:11 am

Intra-operative Ketorolac Does Not Increase the Risk of Post-Tonsillectomy Hemorrhage and Decreases Use of Narcotics in Children

Cyrus Rabbani, MD

11:18 am

Q&A

CONCURRENT 2

MARYLAND D

CS02: Voice

10:50 am

Multi-Institutional Evaluation of Radiologic Findings Associated with Congenital Idiopathic Pediatric Bilateral Vocal Fold Dysfunction

James Ruda, MD

10:57 am

Surgical Decision Making Algorithm for Unilateral Vocal Fold Paralysis: When Should We Perform Ansa-RLN Reanastomosis?

Sarah Bouhabel, MD

11:04 am

The Nerve to Thyrohyoid Muscle as a Novel Donor Nerve for Laryngeal Reinnervation

M Elise Graham, MD, FRCSC

11:11 am

3D Dynamic Computer Modeling of RLN Injury During Birth

Maryssa Mercer, MS

11:18 am

Q&A

CONCURRENT 1

MARYLAND A

CS03: Sleep

11:30 am

Modified Epworth Sleepiness Scale versus Pediatric Sleep Questionnaire for the Prediction of Polysomnographic Indices

Meryam Shikara, BA

11:37 am

Clinical Outcomes after Shared Decision Making Tools with Families of Children with OSA without Tonsillar Hypertrophy

Mathieu Bergeron, MD, BPharm, FRCSC

11:44 am

Use of a Visual Analog Scale as a Global Measure of Sleep-Related Quality of Life in Children with Obstructive Sleep Apnea

Rula Mualla, MD

11:51 am

Q&A

CONCURRENT 2

MARYLAND D

CS04: Rhinology / Head & Neck

11:30 am

Association of Twenty One GWAS-Identified Common Variants to Allergic Rhinitis and Interaction with Early Environmental Exposure in Chinese Children

Youjin Li, MD, PhD

11:37 am

Long-Term Outcomes of Pediatric Inferior Turbinate Reduction

Rachel Whelan, MD

11:44 am

Exome Sequencing of Surgically Resected Extracranial Arteriovenous Malformations

Jonathan Perkins, DO

11:51 am

Q&A

12:00 pm

Lunch with Exhibitors

Prince George's Exhibit Hall A

CONCURRENT 1

MARYLAND A

1:00 pm

P04: How We Think About Patients, and How Patients Think About Us: Cognitive and Implicit Bias in Clinical Interactions

Moderator:

Ellis Arjmand, MD, MMM, PhD

Panelists:

Karthik Balakrishnan, MD, MPH

Emily Boss, MD, MPH

Dana Thompson, MD

CONCURRENT 2

MARYLAND D

1:00 pm

P05: Using Value Based Care Models to Develop, Refine, and Negotiate for Interdisciplinary Clinics: Lessons from a Multi-Institutional Experience

Moderator:

Christopher Hartnick, MD

Panelists:

Kaalan Johnson, MD

Jeremy Praeger, MD

Mahek Shah, MD, MBA

Christopher Wootten, MD

CONCURRENT 1

MARYLAND A

V01: PedsVideoto

1:50 pm

A series of short videos will be presented.

CONCURRENT 2

MARYLAND D

QS01: Quality, Policy, and Outcomes

1:50 pm

Health-related Quality of Life in Children with Complex Aerodigestive Disorders
Catherine Hart, MD

1:54 pm

Quality of Life in Children with Velopharyngeal Insufficiency at Time of Diagnosis
Emily Kay-Rivest, MD

1:58 pm

Does Handedness Affect Side of Post-Tonsillectomy Hemorrhage: A New Potential Risk Factor
Shiva Daram, MD, MBA

2:02 pm

Mobile Phone or Paper: Trends in Patient Preference for Healthcare Information
Ankita Patro, MS

2:06 pm

Modest Benefit of Frenotomy for Infants with Ankyloglossia and Breastfeeding Difficulties
Nour Bundogji, BA

2:10 pm

Instituting Perioperative Opioid Consent: Improving Quality of Postoperative Care and Documentation
Spencer Lindsey, MD

2:14 pm

Opioid Prescribing Patterns and Post-Operative Outcomes Following Implementation of Mandated Opioid Consent Forms
Rachel Whelan, MD

2:18 pm

Impacts of Multidisciplinary Evaluation of Pediatric Aerodigestive Disorders with Dedicated Team Anesthesiologists
Jay Bhatt, MD

2:22 pm

Parental Satisfaction with Otolaryngology Advanced Practice Provider Clinics
Jonelle Chir, PA-C

2:26 pm

Creating a Voluntary Multisource Feedback Tool for Physicians: Challenges from Design to Implementation
Emily Kay-Rivest, MD

2:30 pm

Coffee with Exhibitors
Prince George's Exhibit Hall A

CONCURRENT 1

MARYLAND A

3:00 pm

P06: Microcystic Lymphatic Malformations of the Tongue: An Update and Best Practice

Moderator: Bob Chun, MD

Panelists:

Nancy Bauman, MD

Steve Goudy, MD

Jon Perkins, DO

CONCURRENT 2

MARYLAND D

3:00 pm

P07: Posterior Glottic Stenosis: An International Roundtable on the Future of Surgery

Moderator: Sanjay Parikh, MD

Panelists:

Andrew Inglis, MD

Michael Kuo, MbChB, PhD

Richard Nicollas, MD

Michael Rutter, MD

CONCURRENT 1

MARYLAND A

CS05: Obstructive Sleep Apnea

3:40 pm

Drug-Induced Sleep Endoscopy-Directed Surgery Improves Polysomnography Measures in Overweight and Obese Children with Obstructive Sleep Apnea
Natalia Filipek, BSc

3:47 pm

Correlation between Pediatric OSA Severity and Urinary Cotinine Levels
Cristina Baldassari, MD

3:54 pm

Drug Induced Sleep Endoscopy Improves Polysomnography Outcomes in Complex and Refractory Pediatric Sleep Apnea
Erin Kirkham, MD, MPH

4:01 pm

A Standardized Clinical Assessment and Management Plan (SCAMP) to Optimize Treatment for Children with Obstructive Sleep Apnea
Nithin Pedireddy, BS

4:09 pm

The Impact of Pediatric Obstructive Sleep Apnea on Family Finances: A Case-Control Study
Mathieu Bergeron, MD, BPharm, FRCSC

4:16 pm

Q&A

CONCURRENT 2

MARYLAND D

CS06: Laryngology / Airway

3:40 pm

Injection Laryngoplasty in Patients Less than 3 Months of Age with Type I Laryngeal Cleft
Elisabeth Cole, MD

3:47 pm

Aspiration in Children with Laryngomalacia
Alexandria Irace, BA

3:54 pm

Role of Supraglottoplasty in Recurrent Croup: Clinical Outcomes and Long Term Follow-Up
Patrick Munson, MD

4:01 pm

Management, Outcomes, and Complications of Button Batteries in the Upper Aerodigestive Tract: A Multi-Institutional Study
Jeffrey Simons, MD

4:09 pm

Comparing the Effectiveness, Safety, and Cost of Anesthetic Chose Undergoing a Drainage for Peritonsillar Abscess (PTA)
Abigail Neal, BS

4:16 pm

Q&A

CONCURRENT 1

MARYLAND A

CS07: Otolology

4:30 pm

Evaluating Diagnostic Yield of Computed Tomography (CT) and Magnetic Resonance Imaging (MRI) in Pediatric Unilateral Sensorineural Hearing Loss
Janki Shah, MD

Saturday, April 21

ASPO CONT.

LOCATION: (UNLESS OTHERWISE NOTED)

GENERAL SESSION/CONCURRENT 1: MARYLAND A 1-3 | CONCURRENT 2: MARYLAND D

4:37 pm

Long-Term Hearing Outcomes of Symptomatic CMV Infected Children Treated with Valganciclovir
Hilary McCrary, MD, MPH

4:44 pm

Auditory Comprehension Outcomes in Children Receiving Cochlear Implantation at Early Age
Ryan Mitchell, MD, PhD

4:51 pm

Incidence of Straight Cochlear Implant Electrode Migration may be Diminished by Proximal Fixation
Faisal Zawawi, MD

4:58 pm

Task Deconstruction and Instructional Scaffolding for Teaching Pediatric Mastoidectomy Using 3D Printing Technology
Monika Freiser, MD, MPH

5:05 pm

Q&A

CONCURRENT 2

MARYLAND D

CS08: Dysphagia, Swallowing, and Laryngeal Cleft

4:30 pm

Oropharyngeal Dysphagia in Neurologically Normal Infants – Is there a Natural Course for Improvement?
Geoffrey Casazza, MD

4:37 pm

Standardizing Laryngeal Cleft Evaluations: Feasibility & Reliability of the Inter-Arytenoid Assessment Protocol
Steven Coppess, JD, MBA

4:44 pm

Pediatric Dysphagia: Is Inter-Arytenoid Mucosal Height Significant?
Reema Padia, MD

4:51 pm

Injection Laryngoplasty may Liberalize Diets in Young Pediatric Patients
Kara Meister, MD

4:58 pm

Inter-Rater Reliability in Diagnosis and Treatment of Type One Laryngeal Cleft: A Blinded Observational Study
Patrick Carpenter, MD

5:05 pm

Q&A

TRIO

LOCATION: MARYLAND B (UNLESS OTHERWISE NOTED)

7:00 am

Annual Business Meeting

Triological Fellows only

8:00 am

Announcements by President
Mark S Persky, MD

8:05 am

Facial Plastic/Reconstructive Surgery Panel

Facial Anomalies: The “Wonder” Effect

Moderator: Deborah Watson, MD
Panelists:
Shelagh A Cofer, MD
Steven L Goudy, MD
Andrew R Scott, MD
Travis T Tollefson, MD, MPH

Facial Plastic/Reconstructive Surgery

Moderators:
Robin W Lindsay, MD
Jeffrey H Spiegel, MD

8:50 am

In-Office Treatment of Nasal Valve Obstruction Using a Novel, Bipolar Radiofrequency Device
Ofer Jacobowitz, MD, PhD

8:55 am

Major Auricular Avulsion Injuries and Reattachment Techniques: A Systematic Review
Andrew D Gailey, MS

9:00 am

Return to Alcohol Use in Free Flap Patients for Head and Neck Cancer
Naillid Felipe, BA

9:05 am

A High Throughput Platform for Nerve Conduit Assessment
Suresh Mohan, MD

9:10 am

Q&A

Laryngology/Bronchoesophagology

Moderators:
Jennifer L Long, MD, PhD
Lee M Akst, MD

9:15 am

Outcomes of Intubation Induced Vocal Fold Paralysis and Paresis
Debbie R Pan, BA

9:20 am

Cranial Nerve X Compression at the Brainstem Associated with Chronic Cough, Unilateral Vocal Fold Paresis, Vocal Fold Spasm, Dysphoric Breathing, and Dysphagia: Diagnosis and Treatment Outcomes
Robert J Taylor, MD

9:25 am

Brain Networks for Speech Motor Control and Auditory Processing in Unilateral Vocal Fold Paralysis
Molly L Naunheim, MD

9:30 am

The Effects of Endoscopic Sinus Surgery on Voice Characteristics and Quality of Life in Chronic Rhinosinusitis Patients
Danny B Jandali, MD

9:35 am

Q&A

9:40 am

Automated Quantification of Vocal Fold Motion after Iatrogenic Recurrent Laryngeal Nerve Injury in a Mouse Surgical Model
Megan M Haney, DVM

9:45 am

Factors Associated with Epiglottic Petiole Prolapse Repositioning Success
Mathieu Bergeron, MD, BPharm

9:50 am

How Design Characteristics of Tracheostomy Tubes Affect the Cannula and Tracheal Flows
Liran Oren, PhD

9:55 am

Adenoid Size by Drug Induced Sleep Endoscopy Compared to Nasopharyngeal Mirror Exam
Habib G Zalzal, MD

10:00 am

Q&A

10:05 am

Coffee with Exhibitors
Prince George's Exhibit Hall A

10:35 am

Allergy/Rhinology Panel Atypical Chronic Rhinosinusitis

Moderator:
Andrew N Goldberg, MD MSCE
Panelists:
Sandra Y Lin, MD – Identification of Immune Deficiency
Steven D Pletcher, MD – Cystic Fibrosis
Eric H Holbrook, MD – Rheumatologic/Systemic Disorders

Allergy/Rhinology

Moderators:
Melissa A Pynnonen, MD, MSc
Leigh J Sowerby, MD, FRCSC

11:20 am

Eustachian Tube Balloon Dilation: Emerging Practice Patterns for a Novel Procedure
Steven B Micucci, MD

11:25 am

Modified EEA with a Minimally Invasive Transoral Approach – An Adjunct to Infrapetrous Approaches
Guillermo Maza, MD

11:30 am

Does Appropriate Medical Therapy Improve SNOT-22 Domain Scores? An Investigation of the Minimum Clinically Important Difference
Naweed I Chowdhury, MD

11:35 am

Balloon Catheter Dilation of the Sinuses: A 2011-2014 MarketScan® Analysis
David W Jang, MD

11:40 am

Mucosal Bleeding and Intraoperative Visibility during Endoscopic Sinus Surgery: A Blinded Randomized Controlled Trial with Labetalol and Esmolol
Philip F Lavere, BS

11:45 am

Does Inferior Turbinate Augmentation Help Empty Nose Syndrome Patients? Using Validated Disease Specific Questionnaires
Andrew V Thamboo, MD, MHSc

11:50 am

Factors Associated with Patient Nonattendance in Rhinology Clinics
Benjamin N Hunter, MD

11:55 am

Q&A

12:00 pm

Lunch with Exhibitors
Prince George's Exhibit Hall A

1:00 pm

Panel: What to Expect when Baby Boomers Go Bust

Moderator:
Kathleen L Yaremchuk, MD MSA
Panelists:
Yuri Agrawal, MD – Caring for Older Adults Who Are Dizzy and Giddy
Christine G Gourin, MD – Age Is More Than a Number: Frailty
M Boyd Gillespie, MD MSc – Do Not Go Gentle Into That Good Night: Aging Up
Katherine A Kendall, MD FACS – The Voice of the Baby Boomer

General/Sleep Medicine

Moderators:
Nasir I Bhatti, MD
Kourosh Parham, MD, PhD

1:55 pm

Lingual Tonsillectomy and Pediatric Obstructive Sleep Apnea: Does Doing More Improve Outcomes?
Habib G Zalzal, MD

2:00 pm

Upper Airway Stimulation (UAS) and Sleep Outcomes: A Meta-Analysis
Anvesh R Kompelli, BA

2:05 pm

Sex Bias in Human Otolaryngology Clinical Research
Zainab Farzal, MD

2:10 pm

Analysis of Patient Factors Associated with Mortality after Tracheostomy Using the Global Tracheostomy Collaborative Database
Khaled Kashlan, MD

2:15 pm

Otolaryngology Hospitalist Provides Effective and Efficient Tracheostomy Service
Mohamad R Issa, MD MS

2:20 pm

Sex Bias and Reporting in Basic Science and Translational Otolaryngology Research
Zainab Farzal, MD

2:25 pm

A Standardized Clinical Assessment and Management Plan (SCAMP) to Optimize Treatment for Adults with Obstructive Sleep Apnea
David R Lee, MD

2:30 pm

Q&A

2:35 pm

Coffee with Exhibitors
Prince George's Exhibit Hall A

3:05 pm

Panel: Potpourri
Moderator: Thomas L Carroll, MD
Panelists:
Eunice Y Chen, MD, PhD – CPG's in Your Practice
Subinoy Das, MD – Patenting and Commercializing Your Intellectual Property: Important Lessons
Kevin Fung, MD – Effective Teaching for the Next Generation
Marvin P Fried, MD – Simulation for the Practitioner
Jennifer J Shin, MD – Use Your EMR to Document Quality

Clinical Fundamentals and General

Moderators:
Charles A Hughes, MD
Oliver F Adunka, MD

3:55 pm

Critical Care Resources Utilized in High Risk Adenotonsillectomy Patients
Jennifer M Lavin, MD, MS

4:00 pm

Implementation of a Nurse Telephonic Triage Service for After Hour Patient Calls in Otolaryngology
Shannon F Rudy, MD

4:05 pm

Operating Room Ergonomics: A Practical Approach for Reducing OR Ergonomic Hazards
Ksenia Aaron, MD

4:10 pm

Lean Thinking in an Inpatient Otolaryngology Consult Service
Kristen D Pitts, MD

4:15 pm

I Dream of Gini: Quantifying Inequality in Otolaryngology Residency Interview Invitations
Andrew H Lee, MD

4:20 pm

Q&A

4:25 pm

Evaluation of the Program Specific Paragraph in the Otolaryngology Residency Application
Katelyn O Stepan, MD

Saturday, April 21

TRIO CONT.

LOCATION: MARYLAND B (UNLESS OTHERWISE NOTED)

4:30 pm

Patient Opinions Regarding Surgeon Presence, Trainee Participation, and Overlapping Surgeries

Alexandra M Arambula, BS BA

4:35 pm

Eliminating Tracheostomy Tube Related Pressure Injuries in Adults

Daniel J Carroll, MD

4:40 pm

Otolaryngology Head and Neck Surgery Resident Well Being and Perceptions of the Clinical Learning Environment

Kelley M Dodson, MD

4:45 pm

Occult Malignancy in Adult Tonsillectomy for Benign Indication: Systematic Review and Case Series

Noah P Syme, MD

4:50 pm

Q&A

4:55 pm

Introduction of President-Elect by Mark S Persky, MD

Sigsbee W Duck, MD

5:00 pm

Adjourn

ANS

LOCATION: MARYLAND C (UNLESS OTHERWISE NOTED)

1:00 pm

Business Meeting

New Member Introduction

Members Only

Scientific Session

1:20 pm

Welcome & Opening Remarks by the President

Moises A Arriaga, MD

1:23 pm

Presidential Citations

Derald E Brackmann, MD

Donald B Kamerer, MD

Antonio De la Cruz, MD

Fred D Owens, MD

1:33 pm

William F House Memorial Lecture

How We Can (and should!) Use Imaging to Improve Cochlear Implantation

Robert F Labadie, MD, PhD, MMHC

2:03 pm

Skull Base Surgery and NF-2

Moderator: Yu-Lan Mary Ying, MD

2:05 pm

Incidence and Risk Factors for Sigmoid Venous Thrombosis Following CPA Tumor Resection

Hannah L Kavookjian, MD

2:12 pm

Audiometric and Radiologic Correlates to Auditory Brain-stem Response in Treatment-Naïve Small Volume Cochleovestibular Schwannomas in Neurofibromatosis Type 2

Alvin T deTorres, MD

2:19 pm

Lateral Skull Base Density and Its Relation to Patients with Obesity and CSF Leaks

Jonathan L Hatch, MD

2:26 pm

Contribution of Genomic Large Structural Variations to NF2 Tumorigenesis

Daniel S Roberts, MD, PhD

2:33 pm

Discussion

2:35 pm

ANS Inclusion and Diversity Initiative

Elizabeth Toh, MD, MBA

2:45 pm

Coffee with Exhibitors

Prince George's Exhibit Hall A

3:15 pm

Cochlear Implantation

Moderator: R Mark Wiet, MD

3:17 pm

Evaluation of Outcome Variability Associated with Lateral Wall, Mid-Scalar, and Perimodiolar Electrode Arrays When Controlling for Pre-Operative Patient Characteristics

Joshua E Fabie, BS

3:24 pm

Intra-Cochlear Electrocochleography during CI Electrode Insertion is Predictive of Final Scalar Location

Kanthaiah Koka, PhD

3:31 pm

Trainee Award

Intraoperative Evoked Compound Action Potential (ECAP) Levels in Hearing Preservation Cochlear Implantation

Ashley M Nassiri, MD, MBA

3:38 pm

Creation of a Formula to Convert between Consonant-Nucleus-Consonant (CNCw) and AzBio Test Scores Using Imputation in a National Cochlear Implant Database

Rahul K Sharma, BS

3:45 pm

Hearing Preservation Surgery in Cochlear Implantation: Factors Associated with Improved Outcomes in a Single Center

Alexander Malone, MD

3:52 pm

Discussion

3:56 pm

Introduction of Invited Presentation

Moises A Arriaga, MD

3:58 pm

Genetic Therapy for Hearing Loss

Lawrence R Lustig, MD

4:08 pm

Fred D Owens Memorial Panel

Vertigo Treatment: Meniere's, Migraine, and Both

Moderator:

Derald E Brackmann, MD

Panelists:

Carol A Bauer, MD

Sujana S Chandrasekhar, MD

M Jennifer Derebery, MD

5:00 pm

Adjourn

Sunday, April 22

ANS

LOCATION: MARYLAND C (UNLESS OTHERWISE NOTED)

7:00 am

Business Meeting

Members Only

7:20 am

Scientific Session

Welcome & Opening Remarks
by the President

Moises A Arriaga, MD

7:22 am

Vestibular Advances and Education

Moderator:

Matthew L Bush, MD, PhD

7:24 am

Unique Clinical Language
Patterns among Expert
Vestibular Providers Can
Predict Vestibular Diagnoses
Jake Luo, PhD

7:31 am

Vestibular Testing: Patient
Perceptions, Morbidity, and
Opportunity Costs
Elizabeth A Kelly, MD

7:38 am

Mouse Magnetic-field
Nystagmus in Strong Static
Magnetic Fields is Dependent
on the Presence of Nox3
Bryan K Ward, MD

7:45 am

Comparison of Failure
Rates for Intratympanic
Dexamethasone and
Gentamicin

James G Naples, MD

7:52 am

Nicholas Torok Vestibular Award

Lateral Semi-Circular Canal
Pressures during Cochlear
Implant Electrode Insertion:
A Possible Mechanism for
Postoperative Vestibular Loss
Renee M Banakis Hartl, MD, AuD

7:59 am

Discussion

8:02 am

Panel

Electronic Medical Records
and Neurotology

Moderators:

Yuri Agrawal, MD, MPH

Neil A Giddings, MD

Panelists:

Yu-Lan Mary Ying, MD

Heather M Weinreich, MD, MPH

David R Friedland, MD, PhD

Meena Seshamani, MD, PhD

8:47 am

Sudden Hearing Loss, Noise, and Eustachian Tube

Moderator:

Benjamin T Crane, MD, PhD

8:48 am

The Role of Hyperbaric
Oxygen Therapy for Idiopathic
Sudden Sensorineural Hearing
Loss

Galit Almosnino, MD

8:55 am

Noise-Induced Trauma
Produces a Temporal Pattern
of Change in Serum Levels of
the Outer Hair Cell Biomarker
Prestin

Kourosh Parham, MD, PhD

9:02 am

Neurotology Fellow Award

Is Eustachian Tuboplasty
Anatomically Safe in Children?
A Histopathologic Comparison
between Pediatric and Adult
Temporal Bones

Kathryn Y Noonan, MD

9:09 am

Discussion

9:12 am

William E Hitselberger Memorial Lecture

The Future of Otology/
Neurotology

Robert K Jackler, MD

9:42 am

Coffee with Exhibitors

Prince George's Exhibit Hall A

10:02 am

Acoustic Neuroma (Vestibular Schwannoma)

Moderator: Miriam I Redleaf, MD

10:04 am

Factors Associated with
Maintaining Serviceable
Hearing in Conservatively
Managed Vestibular
Schwannoma Patients
Jacob B Hunter, MD

10:11 am

Quality of Life in Sporadic
Vestibular Schwannoma:
A Cross-sectional Survey
of 1,288 Patients Using a
Disease-Specific Inventory
Matthew L Carlson, MD

10:18 am

Does a "Fundal Fluid" Cap
Predict Successful Hearing
Preservation in Vestibular
Schwannoma Resections
via the Middle Cranial Fossa
Approach?

Daniel Q Sun MD

10:25 am

Shared Decision Making and
Decisional Conflict in the
Management of Vestibular
Schwannoma

M Elise Graham, MD



Sunday, April 22

ANS CONT.

LOCATION: MARYLAND C (UNLESS OTHERWISE NOTED)

10:32 am

Factors That Affect Length of Hospital Stay after Vestibular Schwannoma Surgery
Nopawan Vorasubin, MD

10:39 am

Discussion

10:42 am

Experimental Advances and Neurotology Education

Moderator: Michael Hoa, MD

10:44 am

Individualized Learning Plan (ILP) is an Effective Tool in Assessing Achievement of Otology-related Subcompetency Milestones
Maja Svrakic, MD

10:51 am

The Clinical Stage Otoprotectant SENS-401 Effectively Reduces Hearing Loss in Rats When Administered up to 96 hours after Severe Acoustic Trauma
Mathieu Petremann, MS

10:58 am

Anatomical Progression of Otosclerosis Analyzed by High Resolution CT on Surgically Confirmed Patients
Chihiro Yagi, MD

11:05 am

Neurotology Fellow Award
Fluorescent Detection of Merlin-Deficient Schwann Cells and Primary Human Vestibular Schwannoma Cells Using Sodium Fluorescein
Enrique Perez, MD

11:12 am

Discussion

11:15 am

Antonio De La Cruz Memorial Panel

Congenital Aural Atresia – State of the Art

Moderator: Simon I Angeli, MD

Panelists:

Bradley W Kesser, MD

Vicente G Diamante, MD

Fred F Telisch, MD

Sujana S Chandrasekhar, MD

12:00 pm

Closing Remarks / Adjourn

ASPO

LOCATION: (UNLESS OTHERWISE NOTED)

GENERAL SESSION/CONCURRENT 1: MARYLAND A | CONCURRENT 2: MARYLAND D

8:00 am

KEY03: Kerschner Lecture
David Hoyt, MD

CONCURRENT 1

MARYLAND A

9:00 am

Richard Rosenfeld Panel: P08: Do the Right Thing! The Future of Surgical Competency

Moderator: David Chi, MD

Panelists:

Ellis Arjmand, PhD MD

Rahul Shah, MD

Kathy Sie, MD

CONCURRENT 2

MARYLAND D

CS09: Lower Airway

9:00 am

Utilization of Capped Polysomnography in Pediatric Patients with Tracheostomy Tubes

Shiva Daram, MD, MBA

9:07 am

Predictors of the Need for Tracheostomy in the Neonatal Intensive Care Unit
Alanna Windsor, MD

9:14 am

Development and Preliminary Multidisciplinary Validation of a 3D Printed Pediatric Model for Front of Neck Access
Kevin Kovatch, MD

9:21 am

Significance of Positive Tracheostomy Cultures within 30 Days of Tracheostomy
Mana Espahbodi, MD

9:28 am

Polysomnography Outcomes in Children with Small Tonsils Undergoing Drug-Induced Sleep Endoscopy Directed Surgery
Craig Miller, MD

9:35 am

Q&A

9:50 am

Coffee Break
Maryland Foyer

CONCURRENT 1

MARYLAND A

10:05 am

P09: Sialoendoscopy in Pediatric Otolaryngology

Moderator: Sam Daniel, MD

Panelists:

Philippe Katz, MD

Jack Kolenda, MD

Rohan Walvekar, MD

CONCURRENT 2

MARYLAND D

10:05 am

P10: Using Big Data in Pediatric Otolaryngology

Moderator: Derek Lam, MD, MPH

Panelists:

Emily Boss, MD, MPH

David Francis, MD, MS

Stacey Ishman, MD, MPH

Jennifer Shin, MD, MS

CONCURRENT 1

MARYLAND A

QS02: Upper Airway and Beyond

10:45 am

Retrospective Cohort of Chiari Malformation and Vocal Cord Immobility: Intervention, Vocal Cord Recovery, and Outcomes
Biggs Phillip, BS

10:49 am

Early Peanut Exposure: Has it Caused an Increase in Aspiration?

Brianne Barnett Roby, MD

10:53 am

When to EXIT: An Airway Management Algorithm of Fetal Neck Masses
Sydney Jiang, MD

10:57 am

Modified Hybrid Laryngotracheal Reconstruction for High Grade Pediatric Laryngotracheal Stenosis
Stephanie Warrington, MD

11:01 am

Role of Surveillance Endoscopy for Pediatric Tracheostomy Patients
Matthew Smith, MD

11:05 am

The Role of Outpatient Clinic Follow-Up for Pediatric Tracheostomy Patients
Lyndy Wilcox, MD

11:09 am

Congenital Right Bronchial Stenosis with High Bifurcation: Successful Management with Side to Side Tracheobronchial Anastomosis
Rachel Georgopoulos, MD

11:13 am

Injection Laryngoplasty in Neonates and Young Children for Unilateral Vocal Fold Immobility, A Case Series
Stephen Shapiro, MS-2

11:17 am

Safety and Efficacy of Early Injection Laryngoplasty in Pediatric Patients
Lia Jacobson, MD, MS

11:21 am

Silent Aspiration Following Neonatal Congenital Heart Surgery
Paul Wilson, MD

11:25 am

Evaluation of Upper Airway Structures by Ultrasonography in Children with Obstructive Sleep Apnea
Wei-Chung Hsu, MD, PhD

11:29 am

Impact of Montelukast on Quality of Life in Mild Pediatric Sleep Apnea
Cristina Baldassari, MD

11:33 am

Longitudinal Analysis of Oral HPV and Genomic Correlation via Metagenomic Shotgun Sequencing in Patients with Recurrent Respiratory Papilloma
Ryan Ruiz, MD

11:37 am

Increase in Physical Portion of Pediatric Voice Handicap Index May Predict Presence of Elevated Vocal Cord Lesions
Pamela Mudd, MD, MBA

11:41 am

Sleep Disordered Breathing after Combined Versus Staged Surgery for Velopharyngeal Insufficiency
Erin Kirkham, MD, MPH

11:45 am

Age Related Admission for Tonsillectomy and Adenoidectomy: Single Institutional Review and Analysis of Best Practice
Sean Evans, MD

11:49 am

Lingual Tonsillectomy is Effective in Reducing Apnea-Hypopnea Index in Patients with Refractory Obstructive Sleep Apnea
John Gettelfinger, MD

11:53 am

Q&A

CONCURRENT 2

MARYLAND D

QS03: Otolaryngology and General Potpourri

10:45 am

Complicated Pediatric Rhinosinusitis and the Significance of Streptococcus Anginosus at a High Altitude Tertiary Care Pediatric Hospital
Aditi Bhuskute, MD

10:49 am

Revision Cochlear Implant Surgery in Children
Yann-Fuu Kou, MD

10:53 am

Mini Septodermoplasty for Recurrent Epistaxis
Evan Somers, MD

10:57 am

To Drain or not to Drain Following a Sistrunk Procedure: A Multi-Institutional Answer
Jennifer Brooks, MD, MPH

11:01 am

Cochlear Implantation in Pediatric Patients with Single-Sided Deafness: A Systematic Review
Rounak Rawal, MD

11:05 am

Damps are Expressed and Secreted in the Extracellular Areas of Pediatric Adenoid Tissue
Jin Hwan Kim, MD, PhD

11:09 am

Challenges of Post-Stimulation Titration in Children with Down Syndrome and Hypoglossal Nerve Implant
Judith Kempfle, MD

11:13 am

Extent of Microscopic Disease Superior to the Hyoid Bone in Children with a Thyroglossal Duct Remnant
Erick Garcia, BS

11:17 am

Cochlear Nerve Deficiency in Congenital Bilateral Sensorineural Hearing Loss
Alanna Windsor, MD

11:21 am

Pediatric Endoscopic Tympanoplasty with the Biodesign Otologic Repair Graft: Outcomes, Safety, and Cost-Effectiveness
Jason Bell, MD

11:25 am

Surgical Volume and Success Rates with the Biodesign Otologic Repair Graft for Pediatric Tympanoplasty
Jason Bell, MD

11:29 am

Weight Loss Interventions for Children and Adults with Down Syndrome: A Systematic Review
Philip Knollman, MD

11:33 am

Good Compliance with Propranolol Therapy in Young Children with Infantile Hemangioma
Reema Padia, MD

11:37 am

Three-Dimensionally Printed Computer Aided-Design Ear Splint for Auricular Reshaping
Allison Powell, MSE

11:41 am

Surgeon Performed Preoperative Percutaneous Nerve Mapping in Complex Head and Neck Lymphangiomas
Matthew Migneron, MD

11:45 am

Evaluation of Patient Reported Outcome Measure Information System-49 (PROMIS-49) in Children with Obstructive Sleep Apnea
Bharat Bhushan, PhD, MS

11:49 am

Basic Choking Awareness Education to Improve Parental Knowledge
Kathryn Bentivenga, BS

11:53 am

Q&A

1st Combined Posters

1ST COMBINED POSTER RECEPTION: **AAFPRS • ABEA • AHNS • ALA • ARS**

Thursday, April 19, 5:30 – 7:00 pm • Prince George's Exhibit Hall A

AAFPRS POSTERS

- A001** Large Frontal Mucocele After Frontonasal Dysplasia Reconstruction: A Rare Case Report
Les Alloju, MD
- A002** Surgical Anatomy and Approach to the Rodent Nasal Septal Cartilage
Karam W Badran, MD
- A003** Fellowship Training in Microvascular Surgery and Practice Patterns: A Cross Sectional Survey of Otolaryngologists in Facial Plastic and Reconstructive Surgery
Douglas M Bennion, PhD
- A004** Mandible Fracture Healing: Does Imaging Correlate with Intraoperative Findings?
Victoria M Bones, MD
- A005** Soft Palate Reconstruction: An Algorithmic Approach
Christopher J Britt, Mr.
- A006** WITHDRAWN
- A007** Anteriorly Based Inferior Turbinate Flap for Septal Perforation Reconstruction: A Cadaveric Study
Sean M Dawson, MD
- A008** Enhancing Cervicofacial Rhytidectomy with Simultaneous Submalar Implant Augmentation
Sean W Delaney, MD
- A009** A Biomechanical Comparative Study Evaluating the Resistance to Torsion of a Novel Oblique Boxed Plate vs Traditional Techniques in Mandibular Body Fractures
Daniel Demesh, MD
- A010** The Role of True End-to-side Neurorrhaphy in Facial Reanimation: A Systematic Review
Joseph R Dusseldorp, MD
- A011** WITHDRAWN
- A012** WITHDRAWN
- A013** Stretched Earlobe Piercings Negatively Impact Casual Observer Perceptions of Affect Display
Nicholas Fung, BS
- A014** Demographic Differences Among Patients Undergoing Blepharoplasty Based on Surgeon Training
Mingyang Liu Gray, MD, MPH
- A015** Trends in Blepharoplasty, Rhinoplasty, and Rhytidectomy by Surgeon Training Using the SPARCS Database
Mingyang Liu Gray, MD, MPH
- A016** Jaw in a Day: A Rehabilitation Driven Custom Planned Microvascular Fibular Reconstruction
LCDR J Marshall Green III, DDS
- A017** Assessing the Readability of Online Materials Related to Brow Lift
Amar Gupta, MD
- A018** Safety of Combined Facial Plastic Procedures Affecting Multiple Planes in a Single Setting
Nikita Gupta, MD
- A019** The Dermatologic Ultrasound as a Novel Tool to Assess Nasal Anatomy and Guide Surgical/Non-Surgical Rhinoplasty Interventions
Amir Hakimi, BS
- A020** Endotracheal Tube Bridle Causing Full Thickness Facial Necrosis and Parotid Gland Mucormycosis
Steven G Hoshal, MD
- A021** Perceived Effect of ACGME Duty Hour Restrictions on Otolaryngology Residency Training: A Survey of AAFPRS Fellowship Directors
Tsung-yen Hsieh, MD
- A022** Exploring Patient Motivations and the Impact of Asian Blepharoplasty
Pauline P Huynh, BA
- A023** Relative Effects of Dorsal Reduction and Tip Rotation in Social Perception of the Nose
Cherian Kandathil, MD
- A024** WITHDRAWN
- A025** Outcomes of Forehead Flap vs Alternative Single-Stage Techniques for Reconstruction of Intermediate-Sized Nasal Defects
J Michael C Kenerson, MD
- A026** Near Total Soft Palate Reconstruction with the Anterolateral Thigh Free Flap
Rhorie P R Kerr, MD
- A027** Neuromodulator for the Treatment of Congenital Unilateral Lower Lip Palsy (CULLP)
Natalie A Krane, MD
- A028** Successful Replantation of a Near Complete Nasal Amputation
Marissa Lafer, MD
- A029** Transverse Facial Cleft (Tessier 7): Three rare Cases of Macrostomia and a Repair Technique
Jiahui Lin, MD
- A030** Laser Therapy for Keloids and Hypertrophic Scars in the Head and Neck: An Evidence-Based Approach
Ahsan Mir, MS
- A031** Techniques and Outcomes of the Temporoparietal Fascia Flap (TPFF) in Reconstruction of Cutaneous Malignancy Defects: A Literature Review
Ian McCulloch & Phillip Alex Montague
- A032** Nasal Obstruction Symptom Evaluation (NOSE) Scoring as a Predictive Tool in Patient Satisfaction in Nasal Breathing Surgery
Ashley M Nassiri, MD, MBA

AAFPRS POSTERS

- A033** Suture Technique for Anterior Table Frontal Sinus Fracture Repair
Daniel O'Brien, MD
- A034** Microvascular Free Tissue Transfer Reconstruction of Saddle Nose Deformity Secondary to Granulomatosis with Polyangiitis: Case Report and Review of the Literature
Kate E O'Connor, MD
- A035** WITHDRAWN
- A036** An Anatomical Study of the Depth of Facial Nerve Branches
Hani Rayess, MD
- A037** Nodular Melanoma of the Head and Neck: A Population-Based Analysis
Neel R Sangal, BA
- A038** Tracing Incidence and Survival in Spindle Cell Melanoma of the Head and Neck: A Retrospective Analysis
Neel R Sangal, BA
- A039** A Case Report Describing Botulinum Resistance in Facial Synkinesis
Justin R Shinn, MD
- A040** Facial Fractures Following Motorcycle Accidents: Helmeted Versus Non-helmeted Use and Risk of TBI
Aaron M Smith, MD
- A041** A Systematic Review and Meta-Analysis of Supraclavicular Artery Island Flap vs. Free Tissue Transfer in Head and Neck Reconstruction
Daniel C Sukato, MD
- A042** Utility of an Absorbable Lateral Nasal Wall Implant placed in clinic based setting for the Veteran Population
Matthew Tamplen, MD
- A043** The use of 3D technology to scan a facial defect, design the prosthesis and print the final investment casts for fabrication of a custom facial prosthesis
Denise VeyVoda, MA, DDS, FAAMP
- A044** Measuring Cosmesis in Head and Neck Reconstruction: A Systematic Review
Peter M Vila, MD, MSPH
- A045** Reconstruction of Nasal Lining Defects of the Ala Using the Melolabial Flap
Weitao Wang, MD

ABEA POSTERS

- B001** Novel Use of a Non-powered Portable Suction Device for Management of Life-threatening Aerodigestive Tract Foreign Bodies
Pratik Patel, MD
- B002** Xero-laryngitis and Tracheal Sicca: Mucosal Crustings Causing Acute Airway Obstruction Without Endoscopic Mucosal Abnormalities
Calvin Myint, MD
- B003** An Unusual Case of a Foreign Body
Diana Kirke, MD MPhil
- B004** Dobhoff Tube Placement and Confirmation: An Educational Module
Daniel Chung, MD
- B005** Enhancing Pediatric Airway Safety Using The Electronic Medical Record
Anaïs Rameau, MD
- B006** Injection Bronchoplasty, a Novel Use of Injectable Carboxymethylcellulose
Nic Beckmann, DO
- B007** Multifocal Granular Cell Tumor of the Upper Aerodigestive Tract
Betty Yang, MD
- B008** Down Syndrome and Reactive Lingual Tonsillar Hyperplasia: A Difficult Airway Secondary to Lymphoma-like Presentation of a Lingual Mass.
Amaris Hui, BSc
- B009** Development of Aspiration Screening System for the Elderly Living in Facilities: Novel Approach for the Detection of Swallowing Disorder & Risk Factors in Aging Societies
Mitsuyoshi Imaizumi, MD
- B010** Discrimination of "Hot Potato Voice" Using Machine Learning with Vocal Tract Model and Articulatory Speech Synthesizer
Tsuyoshi Kojima, MD, PhD
- B011** Tracheomegaly with Immune Deficiency in a Pediatric Patient – A Rare Phenomenon
Dennis Tang, MD
- B012** Calcified Subglottic Scar Band Secondary to Remote Neck Trauma Injury: A Case Report and Discussion of Operative Technique
Helena Wichova, MD
- B013** Assessment of Oropharyngeal Swallowing Dysfunction in Myasthenia Gravis Patients Presenting Difficulty in Swallowing
Yoshihiko Kumai, MD, PhD
- B014** Intralaryngeal Ectopic Thyroid Tissue: A Case Report
Hassan Paknezhad, MD
- B015** A Rare Case of NUT-Midline Carcinoma of the Larynx
Shira Koss, MD
- B016** Comparison of Tracheotomy Patient Populations by Service
John Pang, MD
- B017** Tracheotomy in Patients with Fibrodysplasia Ossificans Progressiva: Case series and Use of Simulation-Guided Surgery
Reema Padia, MD
- B018** Jigsaw Group Based Learning is a Successful Technique in Otolaryngology Residency Airway Didactics
James Alrassi, BS
- B019** Trialing a New Line of Shiley Flexible Tracheostomy Tube
Betty Yang, MD

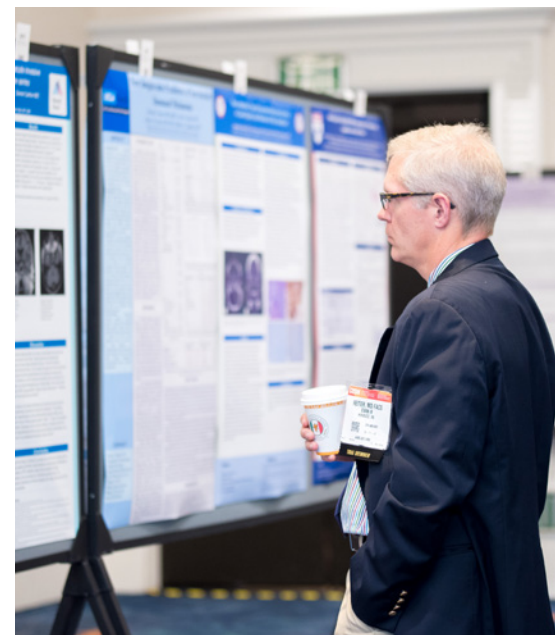
1st Combined Posters

ABEA POSTERS

- B020** Activity of the Swallowing-Related Neurons in the Dorsal Medulla in Perfused Rats
Yoichiro Sugiyama, MD, PhD
- B021** Management of Aggressive Laryngeal Papillomatosis Using Radiation Therapy: A Case Series
Allison Ikeda, BA
- B022** Spectroscopic Analysis of Decellularized Human Tracheal Scaffolds
Derrick Tint, MD
- B023** Vallecular Cyst in the Pediatric Population: Evaluation and Management
Natasha Dombrowski, BA
- B024** Injection Pharyngoplasty for Acquired Velopharyngeal Insufficiency after Oropharyngeal Cancer Treatment
Karla O'Dell, MD
- B025** Office-based Retrograde Transtracheal Application of Mitomycin C
Valeria Silva Merea, MD
- B026** Management of Tracheal Necrosis Following Thyroidectomy
James Cowthran, MD
- B027** Endoscopic Management of a Red, Flavorful Foreign Body
Rebecca Compton, MD
- B028** Cortical Neural Feedback Mechanisms in Vocalization
Nadia McMillan, PhD
- B029** Multi-Specialty Provider Knowledge on Surgical Airway Management: Before and After Implementation of an Educational Initiative
Akina Tamaki, MD
- B030** An Unusual Case of Persistent Dysphagia
Tyler Buchanan, BS
- B031** Idiopathic Bilateral Vocal Fold Immobility in Adults: Clinical Course and Outcome
Sara Abu Ghanem, MD, MMedSc
- B032** Explosive Injury to the Oropharynx Secondary to Spontaneous Combustion of a Lithium Battery in a Flashlight: A Case Report
Jusin Morse, MD
- B033** Endoscopic Laryngo-Pharyngeal Surgery for Elderly Patients
Yo Kishimoto, MD, PhD
- B034** Lateral Pharyngeal Flap with a Double Pedicle for Repair of Unilateral Velopharyngeal Insufficiency
Shun-ichi Chitose, MD
- B035** The Utility of Post-Operative Esophageal Manometry in Patients with Zenker's Diverticula
Rana Aliani, BS
- B036** Prevalence of Voice Disturbances in Pediatric Airway Patients: Are We Missing Anything?
Anne Hseu, MD
- B037** Endoscopic Posterior Cricoid Split with Graft in an Adult with Posterior Cricoid Fracture and Bilateral Vocal Fold Immobility
Albert Zhou, BS
- B038** The Role of Facebook Support Groups in Subglottic Stenosis
Daniel Haik
- B039** Simulation-based Otolaryngology Bootcamp
Tammy Wang, MD
- B040** Cricopharyngeal Muscle Dysfunction Following Hypoglossal Nerve Stimulator Placement: A Case Report
Bryan Stevens, BS
- B041** Spontaneous Giant Laryngeal Granuloma in the Absence of Laryngeal Injury
Ravi Shah, MD
- B042** Idiopathic Tracheal Stenosis: A Facebook Survey Analysis of Diagnosis and Treatment.
Caitlin Fiorillo, MD
- B043** Correlating Videofluoroscopic Swallow Study Findings with Subjective Globus Location
Gregory Dion, MD
- B044** A Tough Pill to Swallow: Medicolegal Liability and Dysphagia
Christopher Badger, MD/MBA candidate
- B045** Successful Retrieval of a Dislodged Tracheoesophageal Prosthesis Distal to a Neopharyngeal Stricture
Patrick Cleveland, MD
- B046** Laryngoscopic Tracheal Tumor Excision. How I Do It?
Maruti Rama Gopal Evuru, MS(ENT)
- B047** Prospective Quality of Life Assessment of Voice and Swallow Function: Patient Versus Caregiver Perspective
Stewart Bernard, MD
- B048** Voice Restoration After Radiation and Supracricoid Partial Laryngectomy by Injection Augmentation of the Arytenoid
Ravi Shah, MD
- B049** Patient Safety & Quality Improvement (PSQI): Multidisciplinary Total Laryngectomy Education
Resha Soni, MD
- B050** Jet Ventilation and Management of Airway Stenosis in the Gravid Patient: A Look at Surgical Safety
Phil Heichel, MD
- B051** Alterations of Macrophage Polarization in the Injured Murine Vocal Fold
Shinji Kaba, MD
- B052** Phonation Threshold Pressure Measurement Reliability in Pediatric Subjects Using Labial and Mechanical Interruption
Matthew Hoffman, MD, PhD

ABEA POSTERS

- B053** Minimally Invasive, Endoscope-guided Trans-cervical Injection Laryngoplasty and Mini-thyrotomy: A Human Anatomical Study and Report of 2 Cases
Peak Woo, MD
- B054** Socioeconomic and Insurance Status Disparities among Children Undergoing Tracheostomy
Matthew Smith, MD
- B055** Quantification of Injection Force Mechanics During Injection Laryngoplasty
Alexandra Ortiz, MD
- B056** Novel Anatomically Appropriate Balloon Dilation Technique of the Glottis to Treat Posterior Glottic Stenosis in a 3D-printed Model
Daniel Cates, MD
- B057** Outcomes of Suture-Ligature with Strap Muscle Advancement for the Closure of Tracheocutaneous Fistula in Adults
Samantha Hauff, MD
- B058** Pediatrician's Proficiency in the Care of the Dysphonic Child
Carly Schiff, CCC-SLP
- B059** Efficacy of Bilateral Type I Gortex Thyroplasty For Presbyphonia
Karuna Dewan, MD
- B060** Retained Nasal Trumpet for 20 Months: An Unusual Foreign Body
Brandon Kim, MD
- B061** Office-Based Laryngology: Technical and Visual Optimization By Patient Positioning Maneuvers
Ameer Ghodke, MS
- B062** Concurrent Laryngeal and Tracheobronchial Amyloidosis
David Kim, MD
- B063** Subcutaneous Ports for Chronic Nerve-Cuff and Intramuscular Electrode Stimulation in Animal Models
James Heaton, PhD
- B064** Can Tracheotomy Dependent Patients Safely Undergo Surgical Procedures in the Ambulatory Surgical Center?
Raluca Tavaluc, MD
- B065** Neonatal Critical Airway Management Using a Second Operating Room Immediately Following Cesarean Section
Christopher Azbell, MD
- B066** Utility of Flexible Bronchoscopy vs Drug Induced Sleep Endoscopy to Identify Upper Airway Collapse
Garrett Rogers, BS
- B067** Laryngeal Foreign Body: The Case of The Gore-Tex Imposter
Alissa Collins, MD
- B068** A Survey of Nebulizer Use in People with Subglottic Stenosis
Marshall Smith, MD
- B069** The Prevalence of Cricopharyngeal Webs in Elderly Cadavers
Omid Mehdizadeh, MD
- B070** Parents' Perception of a Pediatric Multidisciplinary Aerodigestive Clinic
Gina Krakovsky, ARNP
- B071** Laryngeal Reconstruction for Recurrent Desmoid Tumor Using Three-Dimensional Modeling: A Unique Approach for a Rare Tumor
Lauren Tracy, MD
- B072** Assessing Patient Compliance to Postoperative Voice Rest Following Laryngeal Surgery
Neel Bhatt, MD
- B073** Clarifying Inaccurate Terminology: Dysphagia vs. Swallowing Dysfunction
Anais Rameau, MD
- B074** Primary Laryngeal Blastomycosis: An Unexpected Cause of Laryngitis in an Immunocompetent Patient
Daniel Cates, MD
- B075** Versatile Procedure for Office-based Flexible Endoscopic Carbon Dioxide Laser Surgery for Laryngeal Diseases
Koji Araki, MD, PhD
- B076** The Utility of Post-operative Chest radiography after Tracheostomy
Haley Bray, MD
- B077** Case Report: Complete Laryngotracheal Separation Sustained From a Knife Wound
Michal Plocienniczak, MS
- B078** Effects of a Multidisciplinary Airway Conference on Management Decisions and Treatment Outcomes
Jeff Straub, MD
- B079** An Evaluation of Long-Term Tracheostomy-Specific Health-Related Quality of Life
Pratyusha Yalamanchi, BS
- B080** Mcintosh laryngoscope, Coblator, Nasal Endoscope Paving New Roads to Laryngeal, Upper Tracheal Surgery?
Maruti Rama Gopal Evuru, MS(ENT)
- B081** Pediatric Quality of Life Scores Improve Following a Multidisciplinary Aerodigestive Team Approach to Managing Chronic Cough
Gina Krakovsky, ARNP
- B082** Contemporary Usage of Mitomycin C in Endoscopic Airway Surgery: A Survey of Expert Practice
Ross Mayerhoff, MD
- B083** Laryngeal Stenosis in Children: A Closer Look at Epidemiology and Healthcare Utilization
Ronak Rahmanian, MD
- B084** The Reconstruction of Canine Larynx with a Custom-Made Artificial Graft
Tohru Sogami, MD



1st Combined Posters

AHNS POSTERS

IMMUNOTHERAPY AND OTHER ADJUVANT TREATMENTS

- C001** Overexpression of Homologous Repair Proteins in Human Papillomavirus Positive Head and Neck Squamous Cell Carcinoma by Immunohistochemistry Analysis. A Potential Target for Molecular Therapies
Andrew J Holcomb, MD
- C002** Defined Genetic Alterations as a Biomarker Predicting Prognosis in HPV-associated Head and Neck Cancer
Andrew B Sewell, MD
- C003** Plasmacytoid Dendritic Cells are Distinctly Immunostimulatory in HPV-positive HNSCC
Kate Poropatich
- C004** High Throughput Drug Testing Identifies Agents with Selective Activity in HPV-Positive and HPV-Negative Cell Lines
Anthony Nichols, MD

ORAL CANCER

- C005** Level of Lymph Node Metastasis Adds Prognostic Value to American Joint Committee on Cancer Nodal Staging for Squamous Cell Carcinoma of the Floor of Mouth
Alexander N Goel, BA
- C006** Inhibition of TrkB Receptor on the Migration of Human Schwann Cell and Oral Tongue Squamous Cell Carcinoma In Vitro
Liliana Ein, MD
- C007** Nodal Yield and Log Odds Ratio are Associated with Survival Outcomes in Early Stage Clinically Node-negative Oral Cavity Squamous Cell Carcinoma
Anuraag S Parikh, MD
- C008** Factors Predictive of Elective Neck Dissection (END) in Patients With cN0 Hard Palate and Upper Gingival SCC and the Impact of END on Survival
A Obayemi, MD

- C009** Validation of an Updated Graphic Education Tool in an Oral Rinse Point-Of-Care Assay to Aid in the Diagnosis of Head and Neck Squamous Cell Carcinoma (HNSCC)
Elizabeth Franzmann, MD
- C010** A Population-based Analysis of a Rare Nasopharyngeal Malignancy: 1677 cases of Lymphoepithelial Carcinoma
Neel R Sangal, BA
- C011** Increased Lymph Node Yield Positively Impacts Overall Survival in Non-HPV but Negatively Impacts HPV-Related Oropharyngeal Cancer
Chelsea S Hamill, MD
- C012** Patient Reported Outcomes and Objective Analysis of Function Following Glossectomy with Reconstruction
Suhael R Momin, MD
- C013** The Human Papilloma Virus: A Variance in its Prognostic Value at Different Head and Neck Sub-sites
Hong Li, BA
- C014** Outcomes of Transoral Surgery in the Management of HPV-negative Oropharyngeal Squamous Cell Carcinoma
Ryan S Jackson, MD
- C015** Neck Recurrence Rates in Patients with Early Oral Tongue Cancer who Forego Elective Neck Dissection
Justin Shinn, MD
- C016** Head and Neck Squamous Cell Carcinoma in a Young Patient Cohort
William M Dougherty, MD
- C017** Osteoradionecrosis in Patients Undergoing Oral Cancer Resection with Fibular Free Flap Reconstruction Followed by Radiation Therapy
Stewart H Bernard, MD

- C018** The Changing Prognostic and Demographic Characteristics of Oral Cavity Cancer: Outcomes from 1973-2014.
Shayan Cheraghlou, BA
- C019** Radiologic-pathologic Correlation of Extranodal Extension in Patients with Squamous Cell Carcinoma of the Oral Cavity: Implications for the 8th Edition TNM
Christopher W Noel
- C020** Adjuvant Neutron Radiotherapy for High Grade Salivary Carcinomas: A Hospital-Based Study
Richard Harbison, MD
- C021** Proteomic Analysis of Oral Squamous Cell Carcinoma Affecting Young Patients Reveals Potential Therapeutic Targets for HPV-related Tumors: Preliminary Results
Luiz P Kowalski, PhD
- C022** NDRG Can Predict Metastasis in Oral Squamous Cell Carcinoma
Sabrina Daniela Silva Wurzbach
- C023** Changes in AJCC Oral Cavity Staging: Impact of Extrinsic Tongue Musculature Invasion
Emily J Marchiano, MD
- C024** WITHDRAWN
- C025** Clinical and Pathologic Tumor Size are Imperfect Predictors of Depth of Invasion and Not Predictive of Occult Nodal Disease in Early Oral Cavity Squamous Cell Carcinoma
Ayaz M Khawaja, MD
- C026** Involvement of Submandibular Gland in Oral Cavity Squamous Cell Carcinoma; Is It Necessary to Remove the Submandibular Gland?
Shayan K Ghaloo

AHNS POSTERS

- C027** The Role of Brachytherapy for Margin Control in Oral Tongue Squamous Cell Carcinoma
Ilia Ianovski, BHB, MBChB, FRACS
- C028** Identification of a Novel FGF-Receptor 1 Splice Variant in Adenoid Cystic Carcinoma of the Salivary Gland
Joseph O Humtsoe, PhD
- C029** Intraoperative Identification of Metastatic Lymph Nodes in Patients with Head and Neck Cancer Using Panitumumab-IRDye800, a Fluorescently Labeled Anti-epidermal Growth Factor Antibody
Rebecca W Gao
- C030** Weekly Docetaxel, Cisplatin, and Cetuximab (TPC) in Palliative Treatment of Patients with Squamous Cell Carcinoma of the Head and Neck (SCCHN)
A Dimitrios Colevas, Professor
- C031** Human Papilloma Virus Oncoproteins E6 and E7 Negatively Regulate Invadopodia Activity but Promote Migration in Head and Neck Squamous Cell Carcinoma
Charissa N Kahue, MD
- C032** Malignant Oxyphilic Adenocarcinoma of the Salivary Glands: A Population-Based Analysis.
Neel Sangal, BA
- C033** WITHDRAWN
- C034** Invasive Front or Tumor Core: Cancer Stem Cell Location and Correlations with Cellular Behavior and Patient Outcome
Farshad N Chowdhury, MD
- C035** Presurgical Induction Chemotherapy for Squamous Cell Carcinoma of the Tonsil
M S Burke, MD
- C036** Prognostic Impact of Perineural Invasion in Early Stage Oral Tongue Squamous Cell Carcinoma: Results from a Prospective Randomized Trial
Xi Yang, MD

- C037** Population-based Analysis of Social Determinants of Health Associated with Advanced Stage Presentation in Oral Squamous Cell Carcinoma
Andrew J Holcomb
- C038** WITHDRAWN
- C039** Clinical and Pathologic Features of Patients with Oral Cavity Squamous Cell Carcinoma (OCSCC) who Underperform and Outperform Predicted Outcomes
Joshua D Smith, BA
- C040** Simple Clinical Voluntary Cough Airflow Measures Predict Aspiration Status per Videofluoroscopy After Radiotherapy for Head and Neck Carcinoma
Katherine A Hutcheson, PhD

PHARYNX / LARYNX CANCER

- C041** WITHDRAWN
- C042** How Does Smoking Change the Clinicopathological Characteristics of HPV-Positive Oropharyngeal Squamous Cell Carcinoma?: One Medical Center Experience
Changxing Liu, MD, PhD
- C043** Impact of Smoking History on Locoregional Recurrence-free, Distant Metastasis-free Survival and Overall Survival in Human Papillomavirus (HPV)-associated Oropharyngeal Cancer (OPC) Treated with Definitive (chemo) Radiotherapy
Howard Liu, MD
- C044** Quality of Life After Supracricoid Partial Laryngectomy
Julia Carvalho
- C045** HPV Status is Not Associated with Better Survival Rates in Low-prevalence HPV Infection Geographic Regions
Rafael De Cicco, MD
- C046** Preoperative Predictors of Difficult Hypopharyngeal Exposure During Transoral Surgery
Kazunori Fujiwara, MD, PhD
- C047** First Line Surgical Treatment of Oropharyngeal Carcinoma with Trans-Oral Robotic Surgery (TORS): Review of a Single Institutions Outcomes
Brett Leavers, MD
- C048** Initially-positive Margins Predict Worse Survival in Primary, but Not Salvage, Total Laryngectomy
Corey Savard, BS
- C049** The Extent of Neck Dissection Among Patients Who Receive Adjuvant Radiotherapy for Head and Neck Squamous Cell Carcinoma and its Effect on Disease – Specific and Overall Survival
Usama Aboelkheir, MD
- C050** Predictors of Swallow Function After Transoral Surgery for Locally Advanced Oropharyngeal Cancer
Jennifer Gross, MD
- C051** Comparing Mutational Profiles of Responders and Non-responders Cell-Free Circulating Tumor DNA in Oropharyngeal Squamous Cell Carcinoma Patients
Mickie J Hamiter, MD
- C052** Laryngeal Cancer Treatment and Outcomes in the Under and Uninsured: A 10 Year Review
Tanner M Fullmer, MD
- C053** A Germline Variant in JAK3 as a Potential Biomarker of Laryngeal Cancer Risk in African Americans
Jean-Nicolas Gallant, PhD
- C054** CT Texture Analysis with Machine Learning for the Prediction of Disease Site Associated Features and Nodal Status for Head and Neck Squamous Cell Carcinoma
Xiaoyang Liu, MD, PhD
- C055** Optimized Primer/probe Sets for HPV-16 Detection in Head and Neck Carcinoma
Yuki Saito, MD, PhD

1st Combined Posters

AHNS POSTERS

- C056** Pharyngeal Constrictor Botulinum Toxin Injection Therapy for Aphonia and Dysphagia Following Total Laryngectomy
Shannon D Fayson
- C057** Oncologic Outcomes of Unknown Primary Squamous Cell Carcinoma of the Head and Neck Following TORS-based Management
John R Sims, MD
- C058** Assessment of CB1 and CB2 Receptors in Head and Neck Squamous Cell Carcinoma
Kelly E Daniels, BS
- C059** Elective Paratracheal Node at the Time of Salvage Laryngectomy Improves Locoregional Disease Free Survival and Disease Specific Survival for Recurrent Advanced Glottic Squamous Cell Carcinoma
Andrew C Birkeland, MD
- C060** Impact of Nodal Yield at a Single Institution in Patients Undergoing Neck Dissection and Total Laryngectomy
Michael C Topf, MD
- C061** Swallowing and Speech Outcomes After Transoral Robotic Surgery +/- Adjuvant Therapy for HPV(+) Oropharyngeal Squamous Cell Carcinoma
M H Quick
- C062** Minor Salivary Gland Carcinoma of the Larynx: A Population-Based Analysis of 311 Cases
Alexander N Goel, BA
- C063** Treatment of Advanced Nasopharyngeal Cancer by Using Low-dose or High-dose Concurrent Chemoradiotherapy with Intensity-modulated Radiotherapy: A Propensity Score-matched, Nationwide, Population-based, Cohort Study
Szu-Yuan Wu
- C064** Depressive Symptoms, Diurnal Salivary Cortisol, and the Role of Inflammation in Treatment Outcomes in Head and Neck Cancer
Cynthia Duck, JD
- C065** AJCC 8th Edition HPV Positive Oropharyngeal Cancer Staging System: How Often Will the Clinical and Pathological Staging Systems Disagree?
Scott R Hall, MD
- C066** Analysis of Surgical Therapy versus Chemoradiation in Advanced Hypopharyngeal Cancer
Viran J Ranasinghe
- C067** Laryngeal Subsite Predicts Degree of Dysphasia and Aspiration After Concurrent Chemoradiation Therapy
William A Stokes, MD
- C068** Impact of Free Flap Reconstruction and Neck Dissection in Total Laryngectomy: Analysis of the Veterans Affairs Surgical Quality Improvement Program (VASQIP) Database
Jasmina Paillet
- C069** Implementation of Submandibular Gland Transfer: A multi-institutional Study of Feasibility and Time to Treatment
John Pang, MD
- C070** Mucocutaneous Fistula and Timing of Postoperative Oral Feeding After Head and Neck Free Flap Reconstruction
Anirudh Saraswathula, BS
- C071** Trends in Tonsil Cancer Incidence Rates in the US: 2000-2014
Miriam Lango, MD
- C073** Association Between Oral Human Papillomavirus and History of Cancer among US adults in the National Health and Nutrition Examination Survey (2009-2014)
Alison J Yu, BA
- C074** Impact of Neck Dissection on Survival in Adenoid Cystic Carcinoma
Uchechukwu C Megwalu, MD
- C075** Regionalization of Cancer Surgery May Fragment Care and Impact Survival
Michelle M Chen, MD
- C076** 60-Day Readmission Following Transoral Robotic Surgery for Oropharyngeal Squamous Cell Carcinoma
Harman S Parhar, MD
- C077** Factors Associated with Not Receiving Adjuvant Radiation Therapy in Resected Head and Neck Squamous Cell Carcinoma: A Contemporary Analysis
Cheryl C Nocon, MD
- C078** Large Scale Educational Intervention to Improve Laryngectomy Patients' Safety: A Prospective Multi-institutional Pilot Patient Safety Project in a Public Hospital Setting
Sarah Gitomer, MD
- C079** Oral Cavity Cancer Management Guidelines for Low Resource Regions
B Cervenka, MD
- C080** The Incidence and Predictors of Neuropathic Pain Following Neck Dissection
Hunter D Archibald, BS
- C081** Risk Factors and Complications for Readmission Following Laryngectomy with and without Flap Reconstruction
Michael K Ghiam, MD

QUALITY OF CARE AND CLINICAL PATHWAYS

- C072** National Variations in Cost and Surgical Complication Rates in Salivary Gland Carcinoma
Rance J Fujiwara, BS

AHNS POSTERS

- C082** Perioperative Briefing Communication and Treatment Planning: Implementation and Early Results
Christopher H Rassekh, MD
- C083** Psychosocial and Quality of Life Role of Marijuana in Head and Neck Cancer Patients
Michael Xie, BHSc
- C084** Treatment Delays in Oropharyngeal Cancer Treated With Primary Radiation: Establishment of National Benchmarks and Association with Survival
Elliot Morse, BS
- C085** Refusal of Adjuvant Radiation Treatment in Head and Neck Squamous Cell Carcinoma Patients
Marcus L Elias, BS
- C086** Socioeconomic Status and Rurality Among Patients with Head and Neck Cancer
Lauren Lawrence, MD
- C087** Oral Morphine Equivalent (OME) Usage in Head and Neck Microvascular Reconstruction
Chase Heaton, MD
- C088** Prospective Screening of Head and Neck Cancer Patients Using the Opioid Risk Tool
Kate Clancy, MD
- C089** Interpreting Indeterminate Post-Treatment PET/CT Results in Patients with Head and Neck Squamous Cell Carcinoma
Valeda Yong, BA
- C090** Narcotic Use and Pain Perception Following Major Head and Neck Surgery
Eugenie Du, MD
- C091** Use of Surveillance Care Pathway After Head and Neck Cancer Treatment with Curative Intent, Patient's and Provider's Adherence
Karen Y Choi
- C092** Opioid Prescription Patterns for Patients with Head and Neck Cancer
Rosh K Sethi, MD, MPH
- C093** Positive Surgical Margins in Parotid Malignancies
Elliot Morse, BS

- C094** Surgical Handicap of the Oropharynx (SHOP): A Novel Quality of Life Tool for Transoral Robotic Surgery (TORS) Patients
Brittany Barber, MD, MSc, FRCSC
- C095** Morbidity and Mortality Among Head and Neck Cancer Patients in the Emergency Department: A National Perspective
Maxwell P Kligerman, MD, MPH
- C096** Post-Operative Pain Assessment in Head and Neck Surgery
Emily N Ahadizadeh, BS
- C097** Impact of Standardized Tracheostomy Care Protocol Implementation on the Prevention of Life Threatening Respiratory Events
Maheer M Masood, BA
- C098** WITHDRAWN
- C099** Complications Associated with Mortality in Patients Undergoing Laryngectomy for Laryngeal Cancer
Alexander N Goel, BA
- C100** A Model for Improved Timely Access and Utilization of Supportive Care for Head and Neck Cancer Patients
Debra M DeMille, MS, RD, CSO
- C101** Radiographic Surveillance in Patients with Head and Neck Cancer using SEER-Medicare Data: 2002-2011
Samantha Tam, MD

RECONSTRUCTION AND REHABILITATION

- C102** Comparison of Bone Resorption in Fibula Versus Scapula Tip Free Flaps in Mandibular Reconstruction
Peter S Vosler, MD, PhD
- C103** Predictors of Functional Outcomes Following Free Tissue Reconstruction for Transoral Robotic Surgery
Ernest D Gomez, MD, MTR
- C104** An Evaluation of Clinical Outcomes and Cost of Free Osteocutaneous Fibula Flap for Reconstruction of Head and Neck Surgical Defects
Pratyusha Yalamanchi, BA
- C105** Fibular Flap Reconstruction of the Disarticulated Mandible: A Review of 25 Cases
Nicholas F Callahan, MPH, DMD, MD
- C106** Outcomes in Head and Neck Resections Requiring Multiple-Flap Reconstructions: A Systematic Review
Rebecca W Gao, MS
- C107** Oral Function and Quality of Life Outcomes After Mandibular Reconstruction in Patients with Osteoradionecrosis
A K Badhey, MD
- C108** Surgical Management of Patients with Eagle Syndrome
Frances M Hardin, MD
- C109** The Effect of Tracheostomy on Discharge in Patients Undergoing Microvascular Head and Neck Reconstruction
Jenny F Ma, BA
- C110** Dual Phase Computed Tomography for Pre-Surgical Planning in Vessel Depleted Patients
Eugenie Du, MD
- C111** Microvascular Free Flap Reconstruction by Otolaryngologists: Current Trends in Perioperative Care
Kevin J Kovatch, MD
- C112** Respiratory-Swallow Pattern in Total Laryngectomy
Amy Fullerton, SLP, BCSS
- C113** Prognostic Factors Associated with Achieving Total Oral Diet After Glossectomy with Microvascular Free Tissue Transfer
Diane Chen, MD
- C114** Quantifying Epigenetic and Clinical Impacts of External Beam Radiation on Wound Healing and Development of Animal Models
Michelle C Chen, BS
- C115** Late Free Flap Failure in Microvascular Head and Neck Reconstruction
Michael C Topf, MD
- C116** Comorbidity as a Predictor for Submental Island Pedicled Flap Complications in Head and Neck Surgery
Peter W Kahng, BA

1st Combined Posters

AHNS POSTERS

- C117** Fasciocutaneous Free Flaps versus Islanded Facial Artery Myomucosal Flap in Oral Tongue and Floor of Mouth Defect Reconstruction – A Comparative Study
Naveen BS
- C118** PET/CT or MRI: What is the Best Surveillance Imaging Modality Following Microvascular Head and Neck Reconstructive Surgery
Joanna Jacobs, BA
- C119** Versatility of Islanded Facial Artery Myomucosal Flap in Head and Neck Reconstruction
Naveen B S
- C120** Angular Vessels for Free-Tissue Transfer Head and Neck Reconstruction: Clinical Outcomes
Andrea L Hanick, MD
- C121** Aesthetic Outcomes in Patients with Functional Mandibular Reconstruction
Sherif Idris

SKIN CANCER

- C122** Cutaneous Merkel Cell Carcinoma of the Head & Neck: A population-based analysis
Zain H Rizvi, MD
- C123** Patterns of Recurrence and Re-Treatment Outcomes Among Clinical Stage I and II Head and Neck Melanoma Patients
Arya W Namin, MD
- C124** Risk factors and Outcomes of Metastatic Cutaneous Squamous Cell Carcinoma in the Head and Neck Region: Systematic Review and Meta-analysis
Axel Sahovaler, MD
- C125** Orbital Exenteration: Survival and Prognostic Factors for Ocular Adnexal, Periocular and Sinonasal Malignancy
Jean-Michel Bourque, MD

SKULL BASE CANCER

- C126** Ohngren's Line: A Relic in the Modern Era
Meghan T Turner, MD
- C127** Effect of Elderly Status on Post-Operative Complications and Cost of Care of Sinonasal Malignancy Patients
Shreya Patel, BS
- C128** Reconstruction of Lateral Skull Base Defects: Comparison of Regional and Free Flaps
Jordyn P Lucas, MD
- C129** Acinic Cell Carcinoma of the Parotid: Close Margins and Adjuvant Therapy
Joseph Zenga, MD
- C130** Changing Indications for Bifrontal Craniotomy in the Management of Esthesioneuroblastoma
Madeleine P Strohl, MD

SURVIVORSHIP

- C131** Measuring the Mental Health Status of Patients with Head and Neck Malignancies: A Retrospective Study Using a Large Claims-based Database
Ji Hyae Lee, BA
- C132** State of Survivorship in Head and Neck Cancer: A National Survey
David M Cognetti, MD
- C133** Prognostic Value of Site-specific Metastases in Oral Cavity and Oropharyngeal Cancer Survival
Monica C Azmy, BS
- C134** Patterns of Failure and Second Primary Cancers in Oropharyngeal cancer – Implications for Surveillance in the HPV era
Ryan Holstead, MD
- C135** Transoral Robotic Surgery-Assisted Endoscopy with Primary Site Detection for Occult Mucosal Primaries – 2 year survival
Karthik Rajasekaran, MD

- C136** Communicative Participation and Quality of Life in Pre-Treatment HNC Patients
Tanya Eadie, PhD

- C137** Validation of the American Joint Committee on Cancer 8th Edition T-staging for Head and Neck Soft Tissue Sarcoma and Proposal of New Stage Groupings
Katherine E Hicks, MD, MS

- C138** Priorities of Head and Neck Cancer Patients at Diagnosis and After Treatment
Melina J Windon, MD

- C139** Mucoepidermoid Carcinoma of the Parotid Gland: A National Cancer Data Base Study
Vanessa Stubbs, MD

TECHNOLOGY AND IMPLEMENTATION

- C140** Academic Productivity Within American Head and Neck Society Fellowships Across the US: Regional and Gender Disparities
Meghan E Garstka, MD, MS
- C141** Novel Transoral Robotic Surgery (TORS) Hemorrhage Model Implemented in a Nationwide Otolaryngology Emergencies Bootcamp: Importance and Outcomes
Axel Sahovaler, MD
- C142** Raman Spectroscopy-Based Endoscopy: A Novel Technique for Detection of Oropharyngeal Cancer
C Burton Wood, MD
- C143** Use of an Adjustable and Reusable Universal Cutting Guide for Fibular Contouring in Free Osteocutaneous Tissue Transfer
Alan D Workman
- C144** Stereotactic Body Radiotherapy (SBRT) for Medically Unfit Head and Neck Cancer
I Poon, MD, FRCPC

AHNS POSTERS

C145 Vibroacoustography Image Guidance in Head and Neck Subsites: A Pre-clinical Analysis of Ex Vivo Tissues
Karam W Badran, MD

C146 WITHDRAWN

THYROID CANCER

C147 WITHDRAWN

C148 Usefulness of Thyroid Imaging Reporting and Data System in Determining Thyroid Cancer
Michael Xie, BHSc

C149 Efficacy of Different Modalities of Concordant Imaging in the Surgical Management of Primary Hyperparathyroidism
Robert E Reed, MD

C150 Airway Management in Substernal Goiter
Kendall K Tasche, MD

C151 Should We Work Up Incidental Thyroid Nodules Found On CT? A Cost-Effectiveness Analysis
Matthew G Crowson, MD

C152 Decoding Thyroid Nodules: Genetic Testing and ARFI Elastography
Meghan E Garstka, MD, MS

C153 Comparative Analysis of Transoral Robotic Thyroidectomy versus Bilateral Axillo-Breast Approach Robotic Thyroidectomy: A Retrospective Study with Propensity Score Matching
Hong Kyu Kim, MD

C154 Microvascular Clamp Technique for Identifying Parathyroid Adenomas
Noah Syme

C155 Total Thyroidectomy for Hyperthyroidism is Not Associated with Increased Complication Rates
Ethan Frank, BS

C156 Prevalence of Level IIb Involvement in Patients Undergoing Lateral Neck Dissection for Papillary Thyroid Cancer
Luis A De Jesus Sanchez, BSc

C157 The Impact of the Number of Dissected Lymph Nodes in Patients with Papillary Thyroid Cancer
Hugo F Kohler

C158 Clinical Course of Lobectomy of Thyroid Gland for T4 Cases of Papillary Thyroid Carcinoma
Morimasa Kitamura, MD, PhD

C159 (Quality of Care and Clinical Pathways) 'Prospective Comparative Analysis of Patient-Reported Outcomes in Patients Receiving Surgical or Nonsurgical Treatment for Oropharyngeal Squamous Cell Carcinoma
Moran Amit

ALA POSTERS

D001 A Novel Laryngoscope with an Adjustable Distal Tip
Adam Honeybrook, MBBS

D002 A Novel Silk Based Vocal Fold Augmentation Material: 6-Month Evaluation in a Canine Model
Thomas Carroll, MD

D003 Combining Video Laryngoscopy with Flexible Fiberoptic Intubation for Difficult Intubations
Casey Hay, MD

D004 Aerodynamic Changes in Patients with Chronic Cough Treated with Cough Suppression Therapy
Jin Yang, BA

D005 Application of Thulium Laser as an Office Procedure for the Treatment of Vocal Cord Polyps
Elie Khalifee, MD

D006 Injection Laryngoplasty for Acute Postoperative Vocal Fold Movement Impairment – Our Experience and Proposed Aspiration Assessment Protocol
Sara Abu-Ghanem, MD, MMedSc

D007 Association of Pepsin and Inflammatory Mediators in Patients with Clinically Suspected Laryngopharyngeal Reflux
Karen M Kost, MD

D008 Automated Indentation Mapping of Vocal Fold Structure and Cover Properties Across Species
Gregory Dion, MD

D009 Classification of Voice Disorders using Deep Learning Models
Shintaro Fujimura, MD

D010 Clinical Implications of Reinke's Edema
Raluca Tavaluc, MD

D011 CNS Multiple Myeloma Presenting as Isolated Bilateral Vagal Palsy: An Unusual Case of Dysphonia and Dysphagia
Amit A Patel, MD

D012 Common Practices in Botulinum Toxin Injection for the Treatment of Spasmodic Dysphonia: A National Survey
Hagit Shoffel-Havakuk, MD

D013 Comparing the Utility of 3-Day vs 10-Day Voice Rest following Type 1 Thyroplasty
Neel Bhatt, MD

D014 Correlation Between Voice Therapy Compliance and Response to Voice Handicap Index Questions
Hannah Kavookjian, MD

D015 Decreased Calcium Hydroxyapatite Reabsorption in a Rat Model of Osteoporosis
Derrick R Randall, MD, MSc

D016 Defining a Phonomicrosurgical Learning Curve using Motion Metrics in Novices
Adriana Chou, BA

D017 Detection of Muscle Tension Dysphonia using Eulerian Video Magnification
Jason Adleberg, BSE

D018 Endoscopic Excision of a Large Combined Laryngocele: A Case Report and Review of the Literature
Adam R Szymanowski, MD

1st Combined Posters

ALA POSTERS

- D019** Examining the Safety and Efficacy of Awake Bilateral Injection Medialization Laryngoplasty in the Management of Bilateral Vocal Fold Atrophy
Zachary Kelly, BA
- D020** Gender-based Outcomes in Type 1 Thyroplasty for Non-Paralysis Glottic Incompetence
Zainab Farzal, MD
- D021** Glucocorticoids Regulate SMAD Signaling via Phosphorylation of the Glucocorticoid Receptor in Human Vocal Fold Fibroblasts
Shigeyuki Mukudai, MD, PhD
- D022** Incidence and Treatment Outcomes of Vocal Fold Mobility Impairment After Total Arch Replacement
Tanner M Fullmer, MD
- D023** Interesting Case of Delayed Gore-Tex Extrusion following Medialization Laryngoplasty: Case Report and Literature Review
Diana Kirke, MBBS, MPhil
- D024** Ipratropium Bromide: A Novel Treatment for Paradoxical Vocal Fold Motion
Karuna Dewan, MD
- D025** Kinetic Energy Laser in the Larynx: A Preliminary Canine Study
Michael S Benninger, MD
- D026** Laryngeal Cryptococcoma Resulting in Airway Compromise in Immunocompetent Patient – A Case Report
Justin Morse, MD
- D027** Long-Term Voice and Swallowing Outcomes After Chemoradiation
Liuba Soldatova, MD
- D028** Multipotency of the Cells in the Macula Flava of the Human Vocal Fold
Fumihiko Sato, MD
- D029** Novel Anesthetic Management for Thyroplasty Performed under Monitored Anesthesia Care using Simultaneous Infusions of Dexmedetomidine, Remifentanyl and Propofol
Megan Hamre, MD
- D030** Oncologic Efficacy and Voice Outcomes After Potassium Titanyl Phosphate (KTP) Laser Therapy for Early Stage Glottic Carcinoma: A Retrospective Review
Matthew Ward, MD
- D031** Osteoradionecrosis of the Sternoclavicular Joint After Laryngopharyngeal Radiation
Rachel T Irizarry, MD
- D032** Patient Pain Perception During Flexible Laryngoscopy, Assessment with a Validated Pain Questionnaire
Javier JM Howard, MPH
- D033** Patients' Attitudes Regarding Treatment for Vocal Fold Atrophy
VyVy N Young, MD
- D034** 'Peeling' Technique for Epithelial Lesions of the Vocal Fold in Singer
Shigeru Hirano, MD, PhD
- D035** Prevalence and Characteristics of Dysphagia in Patients with Unilateral Vocal Fold Immobility: A Systematic Review
Dimin Zhou, MS, MD
- D036** Prevalence and Characterization of Dysphonia in U.S. Marine Corps Drill Instructors
Joseph Spellman, MD, LCDR
- D037** Predictive Value of Globus Pharyngens in Patients with Functional Dysphonia vs. Organic Dysphonia
Elie Khalifee, MD
- D038** Proton Density Weighted Laryngeal MRI in Systemically Dehydrated Rats
Steven Oleson, BS
- D039** Safety and Feasibility of Outpatient Medialization Thyroplasty
Christine M Kim, MD
- D040** Silastic Vocal Implant Complications: A Case Series and Literature Review
Tyler Mingo, MD
- D041** Subglottic Stenosis: An Evaluation of an Elderly Treatment-Seeking Population
Alissa Collins, MD
- D042** Subjective and Objective Swallowing Outcomes Do Not Correlate in Head and Neck Cancer Patients Treated with Radiation
Elliana Kirsch, BM, BS
- D043** The Effects of Time Dose of Raised Intensity Phonation on Functional Outcomes
Maria E Powell, PhD, CCC-SLP
- D044** The Expression and Distribution of Claudins in the Vocal Fold Epithelium
Ryo Suzuki, MD
- D045** Incidence of Idiopathic Vocal Fold Paralysis: A Population-based Study
Farzad Masroor, MD
- D046** Real-time Light-guided Vocal Fold Injection: Ex vivo Feasibility Study in a Canine Model
Wonjae Cha, MD, PhD
- D047** The Repeatability of Vocal Outcomes Across Serial Botulinum Toxin Injections – Using a Novel Method for Real-Time Patient Reported (Vocal) Outcomes
A Morgan Selleck, MD
- D048** The Role of Metformin in Dysplastic Mucosa of the Larynx: A Follow Up Study
Diana Kirke, MBBS, MPhil
- D049** The Trach Talk: Improving Knowledge and Confidence of ICU Trainees to Optimize Patient Care
Yael Bensoussan, MD
- D050** Time Course of Recovery of Iatrogenic Vocal Fold Paralysis
Lucian Sulica, MD

ALA POSTERS

- | | | |
|--|---|--|
| <p>D051 Transcutaneous Electrical Nerve Stimulation as a Treatment for Chronic Cough: A Feasibility Study
Alexandra Michalowski, BA</p> <p>D052 Transoral Rigid 70 Degree Laryngeal Stroboscopy in a Pediatric Voice Clinic
Jennifer Yan, MD</p> | <p>D053 Treatment and Outcomes of Self Reported Voice Problems in the US Population over Age 65 Years
Stephanie Misono, MD, MPH</p> <p>D054 Trends in Editorial Board Membership Over the Past 20 Years
Elizabeth Wick, MD</p> <p>D055 Trigger Reduction for Neurogenic Chronic Cough
Craig H Zalvan, MD</p> | <p>D056 Type 1 Thyroplasty using Gore-Tex and Silastic Implant: A Safe Outpatient Procedure
Attapon Junlapan, MD</p> <p>D057 Wrapping Airway Cart Instruments: Limitations to Access without the Intended Safety Benefits
Skyler Nielsen, DO</p> |
|--|---|--|

ARS POSTERS

- | | | |
|--|--|---|
| <p>E001 A Case of Skull Base Erosion After Eight Years of Frontal Sinus Stenting
Harry H Ching, MD</p> <p>E002 A Contemporary Qualitative Appraisal of Otolaryngology-head & Neck Surgery Smartphone Applications
Julian D Amin, MD</p> <p>E003 A Laterally-based Nasal Septal Mucosal Flap for Reconstruction of The Anterior Frontal Table Following a Draf Iii Procedure: Initial Observations
Catherine Merba, MD</p> <p>E004 A Matched Pilot Cohort Study of the Impact of Zileuton on Aspirin-exacerbated Respiratory Disease
Saangyoung E Lee, BS</p> <p>E005 Allergic Fungal Sinusitis Imitating an Aggressive Skull Base Lesion in the Setting of Pembrolizumab Immunotherapy
Natalie A Krane, MD</p> <p>E006 WITHDRAWN</p> <p>E007 Analysis of a Cluster of Acute Invasive Fungal Sinusitis Due to Hospital Maintenance
Tawfiq Khoury, MD</p> <p>E008 Baseline Patient Characteristics Predict Olfactory Outcomes After Frontal Sinus Surgery
Sarah M Kidwai, MD</p> <p>E009 Bilateral Inverted Papilloma of the Frontal Sinus: A Case Report and Literature Review
Emily Johnson, DO</p> | <p>E010 Bilateral Nasal Mucormycosis, How We Managed It?
Maruti Rama Gopal Evuru, MS(ENT)</p> <p>E011 Characteristics of Young Adult Chronic Rhinosinusitis Patients Treated with Endoscopic Sinus Surgery
Amar Miglani, MD</p> <p>E012 Clinical Implications of Carcinoma In Situ in Inverted Papilloma
Ivy W Maina, BA</p> <p>E013 Clinical Outcomes of Inverted Papilloma Management and Comparative Analysis of Healthcare Utilization
Neil N Patel, BA, BS</p> <p>E014 Comparison Between the Sinus and Gut Microbiome in Patients with Chronic Sinus Disease
Sanjeev M Balamohan, MD</p> <p>E015 Correlations in Trends of Sinusitis-related Online Google Search Queries in the United States
Dhruv M Sharma, MD</p> <p>E016 Cribriform Plate Width is Highly Variable Within and Between Subjects
Taylor S Pence, BS</p> <p>E017 Dedifferentiated Acinic Cell Carcinoma in the Sinonasal Cavity: First Reported Case
Varesh R Patel, BA</p> <p>E018 WITHDRAWN</p> | <p>E019 Diagnostic Criteria of Recurrent Acute Rhinosinusitis (RARS): A Systematic Review
Thomas S Higgins, MD</p> <p>E020 Do You Use Cocaine? Decongestant Practices of Canadian Otolaryngologists During Endoscopic Sinus Surgery
Jonathan Reid, BSCh</p> <p>E021 Draf III and Single Layer Biomaterial Repair of Frontal Sinus Encephalocele in a Pediatric Patient: First Reported Case in the Literature
Brooke M Su, MD, MPH</p> <p>E022 Durability of Improved Healthy Utility After Frontal Sinus Surgery
Ashton E Lehmann, MD</p> <p>E023 EDS-FLU (Exhalation Delivery System with Fluticasone) is Effective For Nasal Polyposis (np) Patients Either With or Without History of Prior Surgery: Integrated Results from Navigate I and II
Joseph K Han, MD</p> <p>E024 Endoscopic and External Approaches for Orbital Decompression: An Analysis of Trends From a Nationwide Perspective
Peter F Svider, MD</p> <p>E025 Endoscopic Endonasal Repair of a Massive Middle Cranial Fossa Pseudomeningocele and Cerebrospinal Fluid Leak
Jenny F Ma, BA</p> |
|--|--|---|

1st Combined Posters

ARS POSTERS

- | | | |
|--|--|--|
| <p>E026 Endoscopic Endonasal Surgery for Sino-nasal Polyposis: General Versus Local Anesthesia.
Ahmed El Batawi, MD</p> <p>E027 Endoscopic Management of Lateral Sphenoid Cerebrospinal Fluid Leaks: Creating a Surgical Algorithm
Aaishah R Raquib, MS</p> <p>E028 Endoscopic Management of the Orbital Tooth: Displaced Molars in the Maxillary Sinus Roof
Jocelyn Kohn, MD</p> <p>E029 Endoscopic Modified Medial Maxillectomy (EMMM) for Orbital Floor Fractures
Michiko Uchiyama, MD</p> <p>E030 Endoscopic Sinus Surgery Simulator to Optimize Surgical Outcomes: A Pilot Study on Conductive Olfactory Losses
Chengyu Li, PhD</p> <p>E031 Endoscopic Transorbital Approach to the Infratemporal Fossa: A Cadaveric Study
Devin Mistry, DO</p> <p>E032 Endoscopic Transseptal Approach with Use of the Vascular Nasoseptal Flap in Transphenoidal Pituitary Adenoma Surgery: Preventing Disease Recurrence and Reducing Complications
Taylor L Burt, BS</p> <p>E033 Epistaxis Health Disparities in the U.S. Pediatric Population
Lindsay Yang, BA</p> <p>E034 Evaluating for Resolution of Symptoms in Sinonasal Fibrous Dysplasia Based on Presentation and Management
Aakanksha Rathor, MD</p> <p>E035 Evaluating the Characteristics of Central Nasal Polyposis
Vidur Bhalla, MD</p> | <p>E036 Evaluation of Intraoperative MRI for Endoscopic and Microscopic Transphenoidal Surgery
Cyrus C Rabbani, MD</p> <p>E037 Evidence of Symptomatic and Radiographic Improvement Following Conjunctivodacrocystosinusotomy (CDCS) with Lacrimal Diversion Device (LDD) Placement as a Novel Therapeutic Platform for Sinusitis
Jayakar V Nayak, MD, PhD</p> <p>E038 Evolution of the Diagnosis and Management of Allergy-mediated Disorders
Khashayar Arianpour, BS</p> <p>E039 Examining the “July Effect” on Patients Undergoing Pituitary Surgery
Shreya Patel, BS</p> <p>E040 Exhalation Delivery System (EDS) Provides Superior Deposition of Liquid in Post-surgical Cavities in Comparison to Conventional Spray or Irrigation Modalities
Per G Djupesland, MD, PhD</p> <p>E041 Extent of Skull Base Surgery as a Risk Stratifier for Surgical Complications in the Elderly
Maheer M Masood, BA</p> <p>E042 Feasibility of Advanced Molecular Diagnostics for Sinonasal Specimens Compared to Standard Culture
Michael Coulter, MD</p> <p>E043 Financial Implications Of Derivation From AAO-HNS Clinical Practice Guidelines For Adult Sinusitis
Mark Gelpi, MD</p> <p>E044 Follow-up Management of Patients After Transsphenoidal Approach for Pituitary Adenoma Resection
Allison K Ikeda, BA</p> <p>E045 WITHDRAWN</p> | <p>E046 Frontal Sinus Stent Usage and Safety: A Systematic Review
Ahmed A Hussein, MD</p> <p>E047 Gender Bias and Reporting in Basic Science/Translational Rhinology Research
Zainab Farzal, MD</p> <p>E048 Gender Bias and Reporting: An Analysis of Clinical Rhinology Research
Elizabeth D Stephenson, BA</p> <p>E049 Health Related Quality of Life is Predictive of Health Utility in Patients with Nasal Polyposis: Analysis of Sinonasal Outcomes Test (SNOT-22) and SF-6Dr2 In Pooled Randomized Controlled Trials with EDS-FLU
Fulton F Velez, MD</p> <p>E050 Immunologic Function in Adult Patients with Recurrent Acute Rhinosinusitis
Christian Soneru, MD</p> <p>E051 Impact Factor of Using Local Steroid Nasal Spray in the Prevention of Recurrent Nasal Symptoms and Adenoid Regrowth After Adenoidectomy
Ahmed El Batawi, MD</p> <p>E052 Impact of EDS-FLU on Work Productivity: Results From Two Phase III Trials, NAVIGATE 1 and 2
Fulton Velez, MD</p> <p>E053 Improving Efficiency in Epistaxis Management in a Large Health System: Analyzing Emergency Department Treatment Variability as Pretext for a Clinical Care Pathway
Clare Richardson, MD</p> <p>E054 Incidence of Postoperative Epistaxis After Posterior Septal Branch Injury During Sphenoidotomy
Joanna Kam, MD</p> |
|--|--|--|

ARS POSTERS

- E055** Incorporation of Antibiotics Into the Management of Sinus Disorders: A Nationwide Perspective
Khashayar Arianpour, BS
- E056** Increased Expression Of BiP/GRP78 in Inverted Papilloma: An Immunohistochemical Study
Houmehr Hojjat, MD
- E057** Indications for Endoscopic Sinus Surgery in the Geriatric Population
Michael J Marino, MD
- E058** Indications for Revision Endoscopic Sinus Surgery: A Systematic Review
John D Gettelfinger, MD
- E059** Intralesional Bevacizumab for Recurrent Septal Hemangioma
Michael R Kinzinger, MD
- E060** Intraoperative Identification of Internal Carotid Aneurysm During Transsphenoidal Pituitary Surgery
Qasim Husain, MD
- E061** Intraseptal Fungal Ball After Septoplasty: An Unusual Cause of Epistaxis
Keven Ji, BA
- E062** Introduction of Topical Irrigants to Post-surgical Frontal Sinuses Using Mygind Positioning: Evaluation of Delivery Patterns Using Contrast and Colorimetric Methods
Jonathan B Overdevest, MD, PhD
- E063** Lack of Sphenoid Pneumatization Does Not Affect Endoscopic Endonasal Pediatric Skull Base Surgery Outcomes
Adam C Kaufman, MD, PhD
- E064** Levels of Evidence in Rhinology-Skull Base Surgery Research
Jennifer Silver
- E065** Long-Term Complication Rates Following Septoplasty with Inferior Turbinate Reduction: Re-examining an Old Procedure
Rina R Joshi, MS
- E066** Management of Chronic Frontal Sinusitis Using the Axillary Flap Approach
Ayman Megahed, MD
- E067** Management Of Epidermal Inclusion Cyst Within a Diploic Space: A Case Report
Tran Le, MD
- E068** Minimally Invasive Transorbital Approaches to the Anterior Skull Base: A 6-Year Update
Andrew H Lee, MD
- E069** Mobile Applications for Allergic Rhinitis
Albert H Zhou, BS
- E070** Modulators of Rhinovirus Incidence and Severity
Eugene H Chang, MD
- E071** Multicenter Experience with Acute Invasive Fungal Sinusitis
Katherine A Lees, MD
- E072** Multiple Bioabsorbable Corticosteroid-eluting Stent Placement with Associated Skull Base Injury – Too Much of a Good Thing?
Dennis M Tang, MD
- E073** Myhre-LAPS Syndrome - A Case Report
Joseph A Degruy, MD
- E074** Nasal Manifestations of Crohn's Disease: Literature Review and Case Report of Nasal Septal Perforation
Christine S Kim, MD
- E075** Nasal Myiasis in a Patient with Hemorrhagic Shock from Acute Gastrointestinal Bleeding
Matthew Kim, MD
- E076** Neutrophil Activation Pathway is Suppressed in Human Nasal Polyps
Dawei Wu, MD
- E077** Olfactory Neuroblastoma: The SUNY Upstate Medical University Experience 1980-2016
Mark A Arnold, MD
- E078** Open Versus Endoscopic Approach For Sinonasal Melanoma: A Systematic Review and Meta-analysis
Kevin Hur, MD
- E079** Opioid Prescription Among Sinus Surgeons
Brian Yuhan, BS
- E080** Oropharyngeal Squamous Cell Carcinoma with Distant Metastasis to Clivus
Jose Ting, BS
- E081** Outcomes and Complications of Endoscopic Sinus Surgery Based on Age
Carol H Yan, MD
- E082** Outcomes of Endoscopic Surgical Treatment of Sinonasal Hemangiopericytoma
Vasiliki Triantafyllou, BS
- E083** Patient Satisfaction in a Multidisciplinary Rhinology and Allergy/immunology Clinic
Christina H Fang, MD
- E084** Perioperative Analgesia for Patients Undergoing Endoscopic Sinus and Skull Base Surgery: An Evidence-based Review with Recommendations
Brandon Nguyen, BS
- E085** Physician Variation in Debridements After Endoscopic Sinus Surgery
Caleb J Fan, MD
- E086** Post-traumatic Organized Maxillary Sinus Hematoma Causing Proptosis in a Patient with Von Willebrand Disease
Levi D Stevens, MD
- E087** WITHDRAWN
- E088** Primitive Neuroectodermal Tumors (PNETS) of the Nose: A Case Report and a Literature Review
Ahmed A Hussein, MD
- E089** Rapid Progression of Odontogenic Sinusitis Leading to Fulminant Orbital Infection
Brooke M Su, MD, MPH
- E090** Recurrence of Skull Base Lesions Attributed to Tumor Seeding: A Systematic Review of the Literature
Michael Blasco, MD
- E091** Reliability of the Supraorbital Ethmoid Cell Versus Keros Classification in Predicting the Course of the Anterior Ethmoid Artery
Mingsi Li, MD

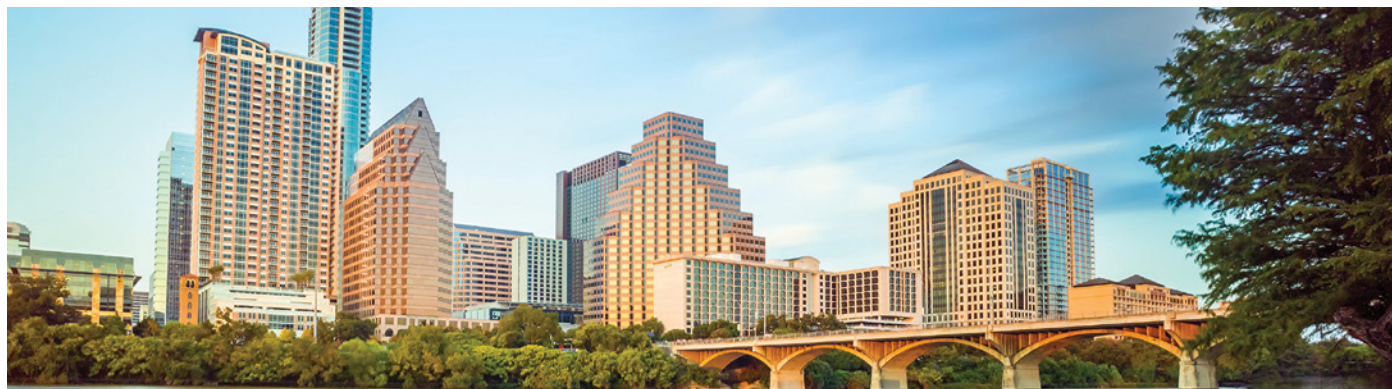
1st Combined Posters

ARS POSTERS

- E092** Replication Study of Patient-specific Factors That Correlate with the Average Number of Post-operative Sinonasal Debridements
Auddie M Sweis, MD
- E093** Rhinotillexomania in the Cystic Fibrosis Patient Population – A Review of the Literature
Mark Gelpi, MD
- E094** Septoplasty and Rhinoplasty in the Pediatric Population: Epidemiology Using a Population Based Approach
Nour K Bundogji, BA
- E095** Outcome of Septoplasty with Inferior Turbinatectomy as an Inpatient or Outpatient Procedure
Yung Yuan Chen, MD
- E096** Severe Refractory Epistaxis in Patient with a Left Ventricular Assist Device: A Case Report
Bharat Panuganti, MD
- E097** Should Endoscopic Technique be Considered the Preferred Approach for Pediatric Septoplasty?
Jordan I Teitelbaum, DO
- E098** Silent Sinus Syndrome Masquerading as Recurrent Graves' Orbitopathy
Jenna Devare, MD
- E099** Silent Sinus Syndrome with Lateralized Middle Turbinates: A Case Report
Tom C Zhou, MD
- E100** Silent Sinus Syndrome: 5% Criteria
Ronald S Nowak, MS
- E101** Sinonasal Disease in Total Laryngectomy Patients
Vijay A Patel, MD
- E102** Sinonasal Inflammation in Inverted Papilloma
Michael A Kohanski, MD, PhD
- E103** Sinonasal Quality of Life and Radiographic Outcomes Following Endoscopic Skull Base Surgery with Nasoseptal Flap Reconstruction
Charles A Riley, MD
- E104** Sinonasal Tract Mucoepidermoid Carcinoma: A Review of the National Cancer Database
Neil N Patel, BA, BS
- E105** Sinus Surgery Online Information: A Systematic Analysis of the Website and Videos That Our Patients See
Michael E Nissan, BS
- E106** Skull Base Osteomyelitis Secondary to Pediatric Radium Exposure
Daniel B Spielman, MD
- E107** Spindle Cell Lipomas of the Respiratory Tract – Case Report and Literature Review
Jonathan Reid, BSCh
- E108** Spontaneous CSF Otorrhea and Pneumocephalus From Multiple Skull Base Defects: Case Report and Literature Review
Oliver H Gantz, MD
- E109** Stab Wounds Affecting the Anterior Skull Base: Trajectory Analysis as a Means of Directing Clinical Decision-Making
Tiffany Peng, MD
- E110** Sublabial Approach to Excision of Paranasal Kimora Disease
Ryan Stephenson, MD
- E111** Technology and Experience in Functional Endoscopic Sinus Surgery: Role in Surgical Timing and Complications Management
Stefano Millarelli, MD
- E112** Telementoring in Endoscopic Sinus Surgery: A Feasibility Trial
Elizabeth A Zambricki, MD
- E113** The Association Between Symptom Severity and Quality of Life in Patients with Chronic Rhinosinusitis and Cystic Fibrosis
Eric Barbarite, MD
- E114** The Effect of Anti-IL-5 Antibody Therapy on Chronic Sinusitis and Eosinophilic Otitis Media
Wakako Nakanishi MD, PhD
- E115** The Effect of Mucosal Grafts on Rates of Restenosis and Revision Surgery Following Draf III Procedures
Sean McKee BS
- E116** The Endoscopic Trans-pterygoid Approach to the Lateral Sphenoid Recess: A Review of the Literature
Brian H Song, MD
- E117** The Endoscopic Transpterygoid Versus Endoscopic Transorbital Approach to Meckel's Cave: A Comparison of Surgical Freedom
Devin Mistry, DO
- E118** The Histopathologic Features of Chronic Sinusitis Precipitated by Odontogenic Infection
Peter Papagiannopoulos, MD
- E119** The Impact of Video Nasal Endoscopy on Patient Satisfaction
Vidur Bhalla, MD
- E120** The Prognosis of Appropriately Managed Chronic Rhinosinusitis With Nasal Polyposis and Its Relation to Preoperative Eosinophil/Basophil Levels
Fahad Alasousi, MD
- E121** WITHDRAWN
- E122** Topical Nasal Therapy in Hereditary Hemorrhagic Telangiectasia
Jessica Clark, MD, MSc

ARS POSTERS

- | | | |
|---|---|--|
| <p>E123 Unique Clinical and Prognostic Behavior of Patients Diagnosed with Exophytic and Inverted Papillomas
Apoorva T Ramaswamy, MD</p> <p>E124 Unusual Anatomic Locations of Inverted Papilloma: Management and Outcomes
Vasiliki Triantafillou, BS</p> <p>E125 Utilization of Prophylactic Antibiotics After Nasal Packing for Epistaxis
Lizbeth Hu, BS</p> | <p>E126 Vascular Endothelial Growth Factor Expression in Inverted Papilloma
Kevin Hur, MD</p> <p>E127 Virtual Reality FESS with 3D-printed Instruments for High-fidelity Simulation
Samuel R Barber, MD</p> <p>E128 When is a Transoral Approach Necessary for Accessing Clivus and Craniocervical Junction Pathology?
Edward C Kuan, MD</p> | <p>E129 Yellow Nail Syndrome: Rhinologic Manifestations, Case Series and Review of the Literature
William W Thomas, MD</p> <p>E130 Zoonotic Staphylococcus Pseudintermedius Sinonasal Infections: Risk Factors and Resistance Patterns
Arman Danielian, MS</p> |
|---|---|--|



May 1–5, 2019 | JW Marriott Austin | Austin, Texas

SAVE THE DATES

COSM
COMBINED
OTOLARYNGOLOGY
SPRING MEETINGS



April 22–26, 2020
Hilton Atlanta
Atlanta, Georgia



April 7–11, 2021
Hyatt Regency New Orleans
New Orleans, Louisiana



April 27–May 1, 2022
Hyatt Regency Dallas
Dallas, Texas



May 3–7, 2023
Hynes Convention Center/
Sheraton Boston
Boston, Massachusetts

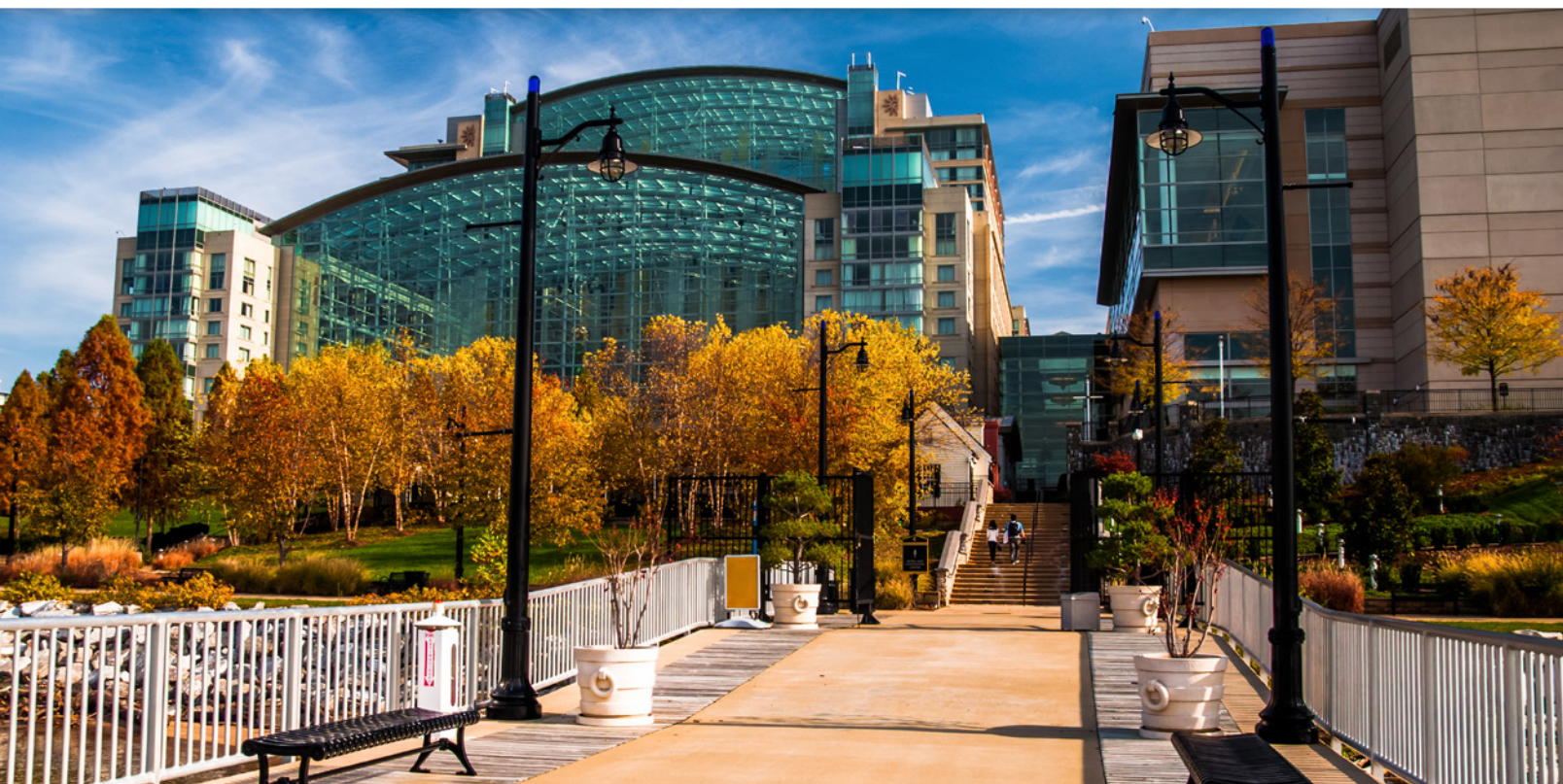
2nd Combined Posters

2ND COMBINED POSTER RECEPTION: **ANS • AOS • ASPO • TRIO**

Friday, April 20: 5:30 – 7:00 pm • Prince George's Exhibit Hall A

ANS POSTERS

- | | | |
|--|--|--|
| <p>F001 Prevalence of Obstructive Sleep Apnea (OSA) in Spontaneous Cerebrospinal Fluid (CSF) Leaks: A Prospective Observational Study
Mohamad Saltagi, BA</p> <p>F002 How Well Does Intra-operative Audiologic Monitoring Predict Hearing Outcome During Middle Fossa Vestibular Schwannoma Resection?
C Blake Sullivan, MD</p> <p>F003 Impact of Cochlear Implantation on Environmental Sound Awareness
Kevin R McMahon, BS</p> <p>F004 Imaging in the Diagnosis and Management of Necrotizing Otitis Externa: A Survey of Practice Patterns
Timothy Cooper, MD</p> <p>F005 WITHDRAWN</p> <p>F006 Association Between Smoking and Dizziness in the U.S. Adult Population
Eric J Formeister, MD, MS</p> <p>F007 Pilot Study of Diffusion MRI Tractography for Identification of the Cochleovestibular Nerve in Children with Unilateral Profound Sensorineural Hearing Loss
Elina Kari, MD</p> <p>F008 Evaluation of 3D Printed Temporal Bone Models in Preparation for Middle Cranial Fossa Surgery
Monika E Freiser, MD, MPH</p> <p>F009 Diaph3 Expression and Localization in the Inner Ear Suggests Constitutive Function
Laura K House, MD</p> <p>F010 The Prevalence of Vestibular Schwannoma in Patients with Sudden Sensorineural Hearing Loss
Takeshi Fujita, MD, PhD</p> | <p>F011 Intra-operative Evaluation of the Cochlear Implant Electrodes Using Intra-Operative Mobile Cone-beam CT
Norio Yamamoto, MD, PhD</p> <p>F012 Application of Ultrasonic Bone Aspirator for Decompression of the Internal Auditory Canal via the Middle Cranial Fossa Approach
Gavriel D Kohlberg, MD</p> <p>F013 Prevalence of Radiographic Cochlear-Facial Nerve Dehiscence
Yohan Song, MD</p> <p>F014 Round Window Reinforcement Versus Transmastoid Superior Canal Occlusion in The Treatment of Superior Semicircular Canal Dehiscence Syndrome
Horace CS Cheng, MD</p> <p>F015 Complex Pitch Perception in Cochlear Implant Users: A Comparison of Monopolar and Tripolar Stimulation
Divya A Chari, MD</p> <p>F016 The Use of the Exoscope in Lateral Skull Base Surgery: Advantages and Limitations
Jonathan C Garneau, MD</p> <p>F017 Amelioration of Pulsatile Tinnitus by Creation of a Sound Baffle
Yona Vaisbuch, MD</p> <p>F018 WITHDRAWN</p> <p>F019 Hearing Over Time in Vestibular Schwannoma Patients: Observation Compared to Stereotactic Radiosurgery
Lauren E Miller, BS</p> <p>F020 Ki-67 Index as a Predictor of Vestibular Schwannoma Regrowth or Recurrence
James C Prueter, DO</p> <p>F021 Cochlear MRI FLAIR Signal Changes After Hearing Preservation Surgery for Vestibular Schwannoma
Nathan C Tu, MD</p> | <p>F022 Prevalence and Outcome of Hemifacial Spasm Following Radiosurgical Treatment of Skull Base Tumors
Si Chen, MD</p> <p>F023 Outcomes Following the Shield vs. Palisade Graft Technique During Combined Tympanoplasty and Ossicular Chain Reconstruction
Galit Almosnino, MD</p> <p>F024 Long-Term Outcomes of Primary Radiosurgery Treatment of Glomus Jugulare Tumors: A Systematic Review with Meta Analysis
Scott Shapiro, MD</p> <p>F025 WITHDRAWN</p> <p>F026 Direct Parasagittal Diffusion Tensor Imaging (DTI) Improves Resolution of Facial and Vestibulocochlear Nerves in Patients with Vestibular Schwannoma
Lorenz Epprecht, MD</p> <p>F027 Unilateral versus Bilateral Cochlear Implantation in Children with Auditory Neuropathy Spectrum Disorder
Ashley M Nassiri, MD</p> <p>F028 Volumetric Analysis of Sporadic Vestibular Schwannomas Treated with Radiotherapy
Daniel E Killeen, MD</p> <p>F029 Utility of Volume-Rendered Three-Dimensional (3D) Magnetic Resonance Imaging for Revision Superior Canal Dehiscence Surgery
Raphaelle A Chemtob, MD</p> <p>F030 Bone Anchored Hearing in Children with Aural Atresia: Comparison of Outcomes with Transcutaneous Magnetic Surgical and Non-Surgical Options
Douglas Worrall, MD</p> |
|--|--|--|



AOS POSTERS

- | | | |
|--|---|---|
| <p>G001 Simultaneous Labyrinthectomy and Cochlear Implantation in Unilateral Meniere's Disease
Elizabeth L Perkins, MD</p> <p>G002 Trends in Intraoperative Testing During Cochlear Implantation
Joshua C Page, MD</p> <p>G003 Treatment Outcomes of Rituximab for Intractable Otitis Media with ANCA-Associated Vasculitis
Running head:
Masahiro Okada, MD, PhD</p> <p>G004 An Evaluation of Intraoperative Testing During Cochlear Implantation from a Time and Cost Perspective
Joshua C Page, MD</p> <p>G005 Smoking Cessation and Risk of Hearing Loss
Brian M Lin, MD, ScM</p> <p>G006 The Cleating Stitch: An Adjunctive Technique for Percutaneous and Revision Osseointegration Screws
Matthew M Fort, MD</p> <p>G007 Outcomes Following Modified Tympanomastoidectomy with Soft-Wall Reconstruction
Karl Doerfer, MD</p> | <p>G008 Novel Computer-Based Therapy Enhances Speech Perception in Cochlear Implant Users
Akshay R Narayan, BSc</p> <p>G009 Primary Middle Ear Mucosal Melanoma: Case Report and Review of 21 Cases of Primary Middle Ear and Eustachian Tube Melanoma in the Literature
Anne K Maxwell, MD</p> <p>G010 Tablet-based Hearing Screening in Children Aged 5 to 17 in Rural Dominican Republic
Dylan A Levy, BS</p> <p>G011 Clinical Doppler Optical Coherence Tomographic Imaging of Otosclerosis
Robert B A Adamson, PhD</p> <p>G012 Cochlear Implant Receiver-Stimulator Migration using the Subperiosteal Pocket Technique: Objective Measurements of Early and Late Positioning
Anne K Maxwell, MD</p> | <p>G013 Modular High-Fidelity Otologic Surgical Simulator for the Training of Multiple Temporal Bone Procedures
Brandon Kamrava, BS</p> <p>G014 Electro-Natural Stimulation (ENS) in Partial Deafness Treatment: Paediatric Case Series
Henryk Skarzynski, MD, PhD, Prof</p> <p>G015 Spontaneous Resolution of Cholesteatoma in a Patient on Long-Term Infiximab
Nicholas Dewyer, MD</p> <p>G016 Use of Transcutaneous Vagal Nerve Stimulator Associated with Reversible Sensorineural Hearing Loss
Samuel A Early, MS</p> <p>G017 Is Audiometry of Diagnostic or Prognostic Use in Bell's Palsy Patients?
Yuan Jing</p> <p>G018 A Volumetric Analysis of Glomus Jugulare Tumors Treated with Stereotactic Radiosurgery
Annie Farrell, BS</p> |
|--|---|---|

2nd Combined Posters

AOS POSTERS

- G019** Primary Endoscopic Stapes Surgery: Audiologic and Surgical Outcomes
Ashley M Nassiri, MD, MBA
- G020** WITHDRAWN
- G021** WITHDRAWN
- G022** Initial Hearing Preservation Outcomes of Cochlear Implantation with a Slim Perimodiolar Electrode Array
Rebecca C Nelson, MD
- G023** Recidivism after Endoscopic Treatment of Cholesteatoma
Daniel E Killeen, MD
- G024** Transcanal Endoscopic Tympanoplasty – Our Results
Gauri Mankekar, MD, PhD
- G025** A Critical Analysis of the Information Available Online for Meniere's Disease
Dennis I Bojrab II, MD
- G026** Adenomatous Neuroendocrine Tumors of the Middle Ear: A Multi-institutional Investigation of 32 Cases and Development of a Staging System
John P Marinelli, BS
- G027** Prevalence of Cranial Nerve Imaging Abnormalities in Patients with Hereditary Peripheral Neuropathies
Ryan A Bartholomew, BS
- G028** Incus Position of Stapes Prosthesis Affects Sounds Transmission in Human Cadaveric Temporal Bones
Iman Ghanad, BS
- G029** Cochlear Implantation in Pediatric Single Sided Deafness
Justin D Miller, MD
- G030** Awake Trans-Tympanic Membrane Otoendoscopy for Diagnosis of Stapedial Myoclonus
Elliott Kozin, MD
- G031** Long-term Otologic Outcomes Following Blast Injury: The Boston Marathon Bombings
Aaron Remenschneider, MD, MPH
- G032** Partial Auricular Reconstruction After Dog Bites in Children: Building Bridges and Not Burning Them
Erin K Haser, MD
- G033** Radiographic Opacification of the Protympanum and Eustachian Tube Predicts Inferior Hearing Outcomes After Ossiculoplasty
Joseph T Breen, MD
- G034** Window Shade Tympanoplasty Technique for Anterior Membrane Perforations: An Update
Elizabeth A Mannino
- G035** The Potential for Preserved Cochleovestibular Function in the Setting of Prolonged Pneumolabyrinth
Joseph T Breen, MD
- G036** Pediatric Single-Sided Deafness Cochlear Implant Candidacy: A Study of Prevalence and Imaging Characteristics
Sullivan Smith, BS
- G037** Diagnostic Value of Delayed High-Resolution Contrast-Enhanced MRI in the Diagnosis of Perilymphatic Fistula
Janice Erica Chang, MD
- G038** Impact of Residual Hearing in the Non-Implanted Ear on Speech and Quality of Life Outcomes After Cochlear Implantation for Single-Sided Deafness
Tiffany Peng, MD
- G039** Minimally Invasive, Image-Guided Approach to Congenital Aural Atresia Repair: A Demonstration of Concept
Kyle S Kimura, MD



ASPO POSTERS

AIRWAY

- H001** Pediatric Tracheotomies: A 5-year Experience in 152 Children
Yusuf Dundar, MD
- H002** Primary Versus Secondary Closure of Tracheocutaneous Fistula in Pediatric Patients
Christopher Azbell, MD
- H003** Assessing the Healthcare Related Quality of Life in Children with Type I Laryngeal Clefts
Jason Brown, DO
- H004** The Postoperative Course After Pediatric Tracheostomy: Epidemiology and Opportunities for Improvement
Nour Bundogji, BA
- H005** Participant Perceptions of a Simulated Airway Training Course
Keith Chadwick, MD
- H006** Concurrent Laryngotracheal Reconstruction and Recurrent Laryngeal Nerve Reinnervation: A Case Report
Michael Coulter, MD
- H007** Pediatric Tracheostomies in Patients Less than 2 Years of Age: Analysis of Complications and Long-term Follow-up
Brandon Esianor, BS
- H008** Acute Airway Obstruction Requiring Emergent Tracheostomy as an Initial Presentation of Relapsing Polychondritis in a Pediatric Patient
Sean Evans, MD
- H009** Pediatric Patients with Congenital Airway Anomalies and Comorbidities that Impact Hospital Costs and Length of Stay
Suzanne Forman, DO
- H010** Sociodemographic Disparities in Patients with Aerodigestive Foreign Bodies Presenting to a Tertiary Pediatric Hospital
Lia Jacobson, MD, MS
- H011** PRESTO for Management of the Difficult Perinatal Airway: An Alternative to EXIT
Luv Javia, MD

- H012** Direct Laryngoscopy and Rigid Bronchoscopy Findings in Pediatric Asthma Patients
Hongzhao Ji, MD
- H013** Removal of Airway Foreign Body in a Premature Neonate: A Novel Technique
Stephen Larson, MD
- H014** Laryngotracheal Reconstruction Using Resorbable Mesh and Tracheal Stent in a Patient with Severe Acquired Subglottic Stenosis
Elliot Le, BS
- H015** Fibrin Sealant Replacing Posterior Graft Suturing in Laryngotracheoplasty: Is It Safe?
Jessica Lu
- H016** Pulmonary Hypertension and Hereditary Hemorrhagic Telangiectasia: An Uncommon Cause of Vocal Fold Paresis
Kastley Marvin, MD
- H017** Lobular Capillary Hemangioma of the Trachea
Kastley Marvin, MD
- H018** Arytenoid Inflammation due to Gastroesophageal Reflux in Laryngomalacia Patients
Bo Pang, DO
- H019** Trends in Tracheostomy Decannulation at a Tertiary Care Pediatric Hospital
Breanne Schiffer, MD, MPH
- H020** Successful Management of Congenital Oropharyngeal Teratoma Utilizing E.X.I.T. Procedure and Serial Resections in a Premature Neonate
Jesse Schmid, MD
- H021** Positive-Airway Pressure (PAP) Ventilation and Post-Operative Complications in Pediatric Tracheocutaneous Fistula (TCF) Repair
Joshua Smith, BA
- H022** Subglottic Stenosis in Children: Our Experience a Pediatric Tertiary Center for 8 Years in South Korea
Euisuk Sung, MD

- H023** Multidisciplinary Care of Pediatric Patients with Vincristine-Induced Recurrent Laryngeal Nerve Palsy
Sok Yan Tay, MD

CRANIOFACIAL

- H024** Association of Velocardiofacial Syndrome (22q11 Deletion Syndrome) in Patients with Pierre Robin Sequence
Peter Karempelis, MD
- H025** A Complicated Case of Congenital Pyriform Aperture Stenosis
Carol Li, MD

HEAD & NECK

- H026** First Brachial Cleft Anomaly: Revisiting Best Imaging Modality for Surgical Planning
Tokunbo Ayeni, MD
- H027** Severe Disease Burden in Pediatric Thyroid Malignancies: A Single Institutional Experience
Grace Banik, MD
- H028** Proximal-Type Epithelioid Sarcoma Arising in the Neck of a Teenage Male
Laura Bomze, MD
- H029** First Branchial Cleft Anomalies in the Pediatric Population, a Study of 43 Cases
Lisa Brown, MD
- H030** Cyst and Fistula of the Fourth Branchial Pouch: Retrospective Study Over Ten Years
Sophie Chabbert, MD
- H031** Clinical Outcomes Following Thyroid Surgery in the Pediatric Population: A 5-Year Multi-Institutional Review
Steven Cox, MD
- H032** Pleomorphic Adenoma of The Head and Neck in Children: Presentation and Management
Natasha Dombrowski, BA
- H033** Melanocytic Neuroectodermal Tumor of Infancy: A Rare Presentation of a Recurrent Post Auricular Mass. A Case Report and Review of the Literature
Sean Evans, MD

2nd Combined Posters

ASPO POSTERS

- H034** An Institutional Paradigm Shift in the Management of Pediatric Grave's Disease After Implementation of a Multidisciplinary Thyroid Case Conference
Gregory Marks, MD
- H035** Heterotopic Ossification in the Posterior Triangle of a Pediatric Patient: An Imaging Case Report
Lindsey Ryan, MD
- H036** Subcutaneous Lobular Capillary Hemangioma Presenting as a Facial Mass
Charles Saadeh, MD
- H037** Mucocoele of the Glands of Blandin-Nuhn, a Rare Complication Following Lingual Frenectomy: Case Report
Mena Said, BSc
- H038** Recurrent Parotitis and Sjogren's Syndrome in Pediatric Patients
Breanne Schiffer, MD, MPH
- H039** Oral Tongue Foregut Duplication Cyst: Case Report and Review of the Literature
Sophie Shay, MD
- H040** Postoperative Adverse Events in Pediatric Thyroglossal Duct Cyst Excision
Grace Tan, MD
- H041** Population-Based Evaluation of Predictors of Pediatric Head and Neck Rhabdomyosarcoma Survival, 2000-2014
Daniel Wehrmann, MD
- H042** Slowly Enlarging Submental Mass: A Diagnosis of Castleman Disease
Emily Wikner, BS
- H043** Squamous Cell Carcinoma of the Head and Neck in Children
Nikolaus Wolter, MD, MSc
- H044** Branchio-Oculo-Facial Syndrome: Case Report and Review of Otolaryngological Manifestations
Peng You, MD

LARYNGOLOGY & BRONCHOESOPHAGOLOGY

- H045** Management of Vocal Cord Paralysis for Non-Thyroidal Pediatric Malignancies
Nicholas Beckmann, DO
- H046** Current Trends in Practices in the Treatment of Pediatric Unilateral Vocal Fold Immobility
Sarah Bouhabel, MD
- H047** Routine Admission to Step-Down Unit as an Alternative to Intensive Care Unit After Pediatric Supraglottoplasty
Diane (Wenhua) Chen, MD
- H048** Vocal Process Granuloma in a Child – A Laryngeal Papilloma Look-a-Like
Emily Comness, MD
- H049** Technology Brings New Threats: Ingestion of Cell Phone Components Resulting in Esophageal Injury
Monika Freiser, MD, MPH
- H050** Laryngeal Expression and Surgical Management of IgG4 Related Disease in a Child
Victoria Jordan, MD
- H051** Successful Systemic Bevacizumab Treatment in Severe Juvenile Onset Recurrent Respiratory Papillomatosis with Tracheobronchial Involvement
Krista Kiyosaki, MD
- H052** Short-Term Swallowing Outcomes Following Type 1 Laryngeal Cleft Injection
Ashley Miller, MD
- H053** An Uncommon Source for Esophageal Foreign Body: Fidget Spinner
Charles Saadeh, MD
- H054** Double Fogarty Balloon Catheter Technique for Difficult to Retrieve Esophageal Foreign Bodies
Peng You, MD

LYMPHOVASCULAR

- H055** Improved Outcomes for Periorbital Infantile Hemangiomas After Treatment with Propranolol
Malika Atmakuri, MD, BS
- H056** Oral Cavity Vascular Anomalies in Children: Diagnosis, Treatment and Clinical Outcomes
Tania Benjamin, BS

MOLECULAR BIOLOGY – GENETICS

- H057** 15Q13.3 Microdeletion Syndrome: The Use of Social Media to Identify Otolaryngologic Manifestations of a Rare Syndrome
Alexander Malone, MD

OBSTRUCTIVE SLEEP APNEA

- H058** Persistent Obstructive Sleep Apnea After Adenotonsillectomy – What About the Nasal Cavity and Nasopharynx?
Cynthia Chen, MD
- H059** Demographic, Clinical, and Polysomnographic Characteristics of Children Under 3 with OSA
Danielle Collado, BA
- H060** Role of Capnography in the Management of Pediatric Obstructive Sleep Apnea – Outcomes from the Childhood Adenotonsillectomy Trial (CHAT)
Stephanie Golob, BA
- H061** Long-Term Natural History of Sleep Disordered Breathing and Caregiver Treatment Decision Making
Yann-Fuu Kou, MD
- H062** Family Functioning and Quality of Life for Families of Children with OSA Without Tonsillar Hypertrophy
Brittany Leader, MD
- H063** The Effect of Tonsillectomy and Adenoidectomy on Isolated Sleep Associated Hypoventilation in Children
Charles Saadeh, MD

ASPO POSTERS

- H064** Hypoxic Exposure in Mice Causes Time-Dependent Changes in the Circadian Clock
Douglas Von Allmen, MD

OTHER

- H065** A Systematic Review on Factors Associated with Percutaneous Bone Anchored Hearing Implant Loss
Aren Bezdjian, MSc
- H066** A 10 Year Retrospective Review of Botulinum Toxin Injections and Surgical Management of Drooling
Philip Camilon, MD
- H067** The Role of Patient Age at Time of Frenulectomy for Ankyloglossia and/or Lip Tie
Lyuba Gitman, MD
- H068** Oropharyngeal Carotenis: A Case Report
Aparna Govindan, BA
- H069** Evaluation of Authorship Trends in the Laryngoscope Journal from 1995-2015
Alex Gu, BS
- H070** A Novel, Low-Fidelity Simulator for Laryngotracheal Reconstruction
Katherine Kavanagh, MD
- H071** Variations in Maxillary Labial Frenum Morphology of Healthy Newborns
Shagnik Ray, BA
- H072** Myringotomy Simulation Using a 3D-Printed Model for use in Medical School Surgical Training
Devika Sparks, BS
- H073** Characteristics Influencing Publication Trends of Abstracts Presented at the ASPO Annual Meeting
Forest Weir, MD, BA
- H074** Clinical Significance of Spontaneous Nystagmus in Pediatric Patients
Jacob Brodsky, MD

OTITIS MEDIA

- H075** Development of an Automatized Quantification Method for the Analysis of Neutrophil Extracellular Trap Formation (NET) Implication in Otitis Media
Arman Hussain, BS
- H076** Prospective Observational Case Series Evaluating Middle Ear Fluid and Tympanostomy Tubes Through Pyrosequencing
James Wang, MD, PhD

OTOLOGY

- H077** The Association Between Iron Deficiency and Otitis Media with Effusion
Yusuf Dundar, MD
- H078** Unilateral and Bilateral Vestibular Aqueduct
Hunter Archibald, BS
- H079** Barriers to Obtaining a Bone Anchored Hearing Aid in Pediatric Patients
Christopher Azbell, MD
- H080** Hearing Loss in Children with Down Syndrome
Razan Basonbul, MD, MPH
- H081** Investigating Autofluorescence for Identification of Cholesteatoma
Michael Berger, MD
- H082** Factors Associated with Persistent Tympanic Perforation in Patients with Down Syndrome and Craniofacial Abnormalities
Clarice Brown, MD
- H083** Malignant Otitis Externa Caused by Acintomyces: First Reported Case
Shiva Daram, MD, MBA
- H084** The Audiologic Profile of Atypical Teratoid/Rhabdoid Tumors in Children
Rachel Georgopoulos, MD
- H085** The Role of Facial Nerve Monitoring in Pediatric Otologic Surgery
Mohamad Issa, MD, MSCR
- H086** Success of Tympanic Membrane Repair Following Palatoplasty
Collin Juergens, MD

- H087** Risk Factors of Pediatric Tinnitus: Systematic Review and Meta-Analysis
Young Ho Kim, MD, PhD
- H088** Recidivism After Endoscopic Treatment of Cholesteatoma in the Pediatric Population
Yann-Fuu Kou, MD
- H089** A Transdisciplinary Study of Motor and Vestibular Testing in Children with Profound Hearing Loss: Comprehensive Pre-Surgical Considerations
Marta Kulich, BA
- H090** Progressive Hearing Loss in Children with Congenital CMV and Single-Sided Deafness: Expanding Cochlear Implant Candidacy
Edward Lee, MD
- H091** Amplitude Modulation Detection in Children with a History Of Temporary Auditory Sensory Deprivation due to Otitis Media with Effusion
Margo McKenna Benoit, MD
- H092** The Prevalence of Middle Ear Disease in Cystic Fibrosis Patients
Matthew Miller, MD
- H093** Pediatric Ear Foreign Body Retrieval: A Retrospective Comparison Across Specialties
Katie Mingo, MD
- H094** Non-Equivalence of CT and MMR in the Workup of Congenital Hearing Loss
Tara Mokhtari, BS
- H095** Genetic Testing for Congenital Non-Syndromic Sensorineural Hearing Loss
Mallory Raymond, MD
- H096** Pseudo-Color Perceptual Enhancement for Detection of Cochlear Signal Alterations in Pediatric Patients with Sensorineural Hearing Loss
Brian Reilly, MD
- H097** Value of Superficial Cervical Plexus Block in Children Undergoing Major Ear Surgery
Thomas Schrepfer, MD
- H098** Incidence of Cholesteatoma in Children with Down Syndrome
Alycia Spinner, MD

2nd Combined Posters

ASPO POSTERS

- H099** Post Meningitis Hearing Loss
Nima Vahidi, BS
- H100** Failure to Develop Language Correlates with Variable Nonverbal IQ and Neuropsychological Profile in Hearing-Impaired Children
Alisha Williams, MPH
- H101** Topical Mupirocin Ointment for the Treatment of Community-Acquired Methicillin-Resistant Staphylococcus Aureus Tympanostomy Tube Otorrhea
Hilario Yankey, BS
- H102** Aids: Ear First and Ear Ends
Mahmoud Youssef, MSCH

OUTCOMES

- H103** Improving Contact of High-Risk 'No Show' Patients in a Tertiary Care Pediatric Otolaryngology Clinic
Kelly Brothers, CPNP
- H104** Middle Ear Disease Requiring Myringotomy in the First Two Years After Tracheotomy in a Pediatric Population
Nathaniel Donnell, BA
- H105** Patient Outcomes and Parental Satisfaction after Office Frenotomy
Terri Giordano, DNP, CRNP
- H106** Variables Associated with Pediatric Emergency Department Visits in Post-Operative Adenotonsillectomy Patients
Jennifer Lavin, MD, MS
- H107** Determining Utility of the Sino-Nasal Outcome Test (SNOT-22) in the Pediatric Cystic Fibrosis Patient Population
Anne Lowery, BA
- H108** When is Frenotomy not an Innocuous Procedure?
Kastley Marvin, MD
- H109** Otolaryngology Manifestations and Interventions in Trisomy 18
Laura Miller, DO

- H110** Otologic Safety of Prolonged Amikacin and Azithromycin Treatment in Children Treated During an Outbreak of Nontuberculous Mycobacterium Infections
Alisa Zhukhovitskaya, MD

QUALITY INITIATIVES & HEALTH POLICY

- H111** Variability in Outpatient Resource Allocation for Pediatric Patients with Tracheostomy
Ryan Belcher, MD
- H112** National Trends in Pediatric Basilar Skull Fractures
Michael Coulter, MD
- H113** Interdisciplinary Tracheostomy Rounds: Impact on Tracheostomy Associated Pressure Injuries
Caitlin Garren, PA-C
- H114** Guideline-Compliance in Tympanostomy Tube Placement for Chronic Otitis Media with Effusion
Danielle Morrison, BA
- H115** Avoiding the Operating Room by Using Anxiolytics for In-Office Procedures
Quinn Orb, MD
- H116** Improving Value of Orbital Infection Management
Andrew Thomas, MD

RHINOLOGY/SINUS

- H117** Physical Examination and Laboratory Findings Associated with Pre- Versus Post-Septal Orbital Infections in Pediatric Patients
Joseph Bertroche, MD
- H118** The Use and Cost of Intraoperative Navigation in Pediatric Sinus Surgery
Nandini Govil, MD, MPH
- H119** Defining Mid-Nasal Stenosis: A Radiographic Study
M Elise Graham, MD

- H120** Hairy Polyp of the Anterior Nasal Cavity in a Neonate
Peter Karempelis, MD

- H121** Management of Orbital Complications in the Pediatric Patient with Acute Rhinosinusitis: Ten Years of Experience at a High Volume Children's Hospital
Eleanor Kiell, MD

- H122** Recurrent Bilateral Epistaxis in a Pediatric Patient: An Ectopic Intranasal Tooth
Stacey Lee, MS

- H123** Readmissions Following Ambulatory Pediatric Endoscopic Sinus Surgery
Genevieve Medina, BA

- H124** Reducing the Need for General Anesthesia in the Repair of Choanal Atresia with Steroid-Eluting Stents: A Case Series
Joseph Meleca, MD

- H125** Congenital Nasal Pyriform Aperture Stenosis: A Descriptive Analysis of Twenty Cases at a Single Institution
Allison Ordemann, MD

- H126** Description of Sinonasal Clinical Features in Children with Cystic Fibrosis
Paul Suy, MD

- H127** Risk Factors and Functional Impairment Associated with Nasal Polyps in Children with Cystic Fibrosis
Paul Suy, MD

- H128** Nasal Endoscopy in Congenital Nasolacrimal Duct Obstruction: A Systematic Review
Skylar Trott, BS

SKULL BASE SURGERY

- H129** Quantitative Radiological Analysis of the Retrolabyrinthine Approach for Pediatric Auditory Brainstem Implantation
Ahad Qureshi, MD

ASPO POSTERS

SLEEP

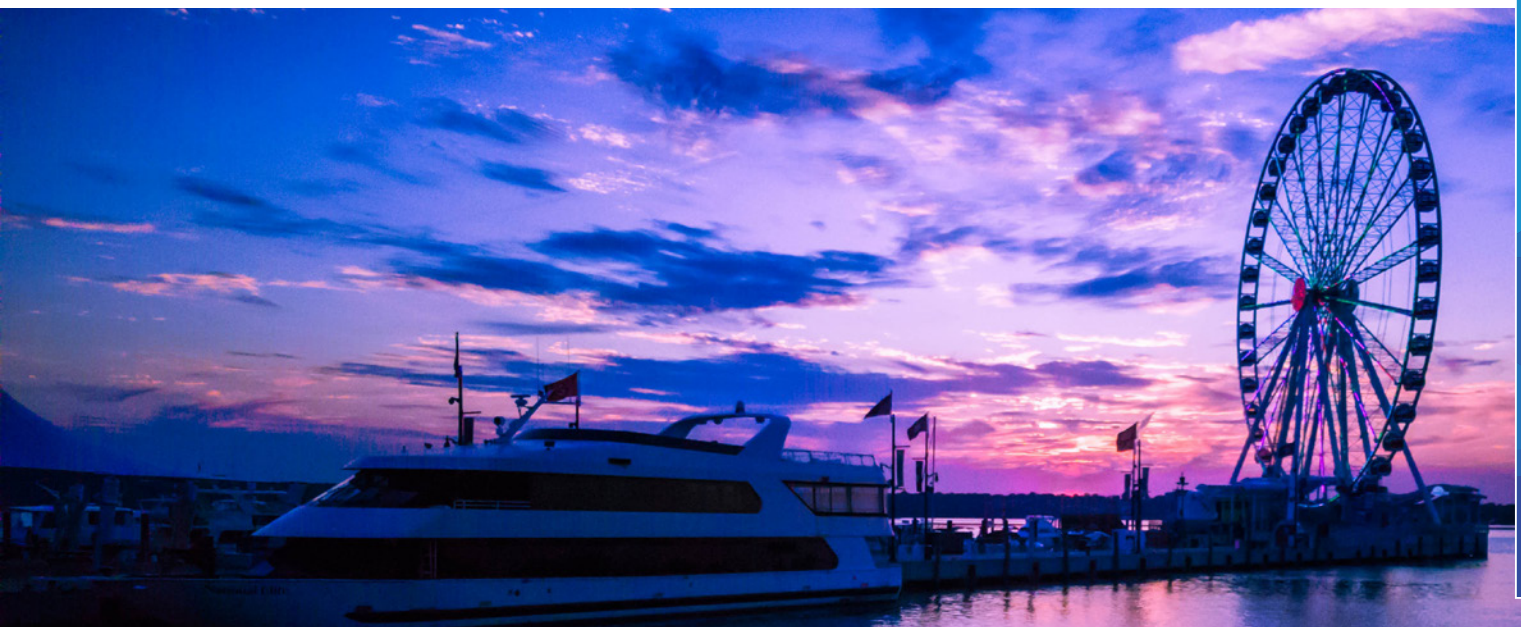
- H130** Risk Factors for Obstructive Sleep Apnea Among Morbidly Obese Adolescents Undergoing Evaluation for Bariatric Surgery
Gi Soo Lee, MD, EdM
- H131** Algorithm for Diagnosis and Management of Children with Sleep Disordered Breathing
Douglas Mack, BS
- H132** Upper Airway Obstruction in Children with Achondroplasia
Phayvanh Sjogren, MD
- H133** Polysomnography Outcomes Following Adenotonsillectomy in Children with Down Syndrome: Effects of Weight and Obstructive Sleep Apnea Severity
Xue Zhao, MD

TONSILS & ADENOIDS

- H134** Predicting Post-Anesthesia Care Unit Length of Stay in Pediatric Patients After an Adenotonsillectomy
Dhivyaa Anandan, BA candidate
- H135** Obstructive Necrotizing Granuloma of the Nasopharynx Following Adenoidectomy: Case Report
Tokunbo Ayeni, MD

- H136** Pediatric Emergency Department Visits for Uncontrolled Pain in Post-Operative Adenotonsillectomy Patients
Kathleen Billings, MD
- H137** Predictors of Hemorrhage Following Pediatric Adenotonsillectomy
Elizabeth Burckardt, MD
- H138** Effect of Perioperative Montelukast Use on Post-Tonsillectomy Pain
Priya Dave, BS
- H139** Current Trends in Pediatric Tonsillectomy in the United States
Brandyn Dunn, MD, MPH
- H140** Pediatric Opioid Reduction Initiative after Adenotonsillectomy
Haley Ellett, RN, MS, CPNP
- H141** The Effects and Complications of Adenotonsillectomy in Children with Sickle Cell Disease and Obstructive Sleep Apnea
Annie Farrell, BS
- H142** Variation in Tonsillectomy Rates by Individual Provider for Sleep Disordered Breathing
M Elise Graham, MD
- H143** The Tonsillectomy Tweet: A Social Media Perspective of Parent Concerns and Priorities in Pediatric Tonsillectomy
Tai Kyung Hairston, BS

- H144** Complication Rates Following Pediatric Adenotonsillectomy for Sleep Disordered Breathing with and Without Pre-Operative Polysomnography
Charlotte Hughes, MD, MPH
- H145** Virtual Post-Tonsillectomy Follow Up: A Safe and Efficient Alternative
Joanna Kam, MD
- H146** Beyond the Grounding Pad: Unintentional Electrical Current Pathways as a Proposed Mechanism for Post-Tonsillectomy Dysgeusia
Maria Koenigs, MD
- H147** Cost-Effectiveness of Adenotonsillectomy in the Very Young
Nathan Lindquist, MD
- H148** Computed Tomography Use Patterns for Pediatric Patients with Peritonsillar Abscess
Kasey Rawlins, BS
- H149** Postoperative Oral Intake as a Predictor of Emergency Department Visits and Readmissions in Patients Admitted Overnight Following Tonsillectomy
Robert Rhodes, MD
- H150** The Impact of Resident Involvement on Tonsillectomy Outcomes
Nathan Wiebracht, MD



2nd Combined Posters

TRIO POSTERS

ALLERGY/RHINOLOGY

- I001** The Utility of Preoperative Imaging and Intrathecal Fluorescein in the Operative Management of Cerebrospinal Fluid Rhinorrhea
John P Flynn, MD
- I002** Safety and Feasibility Endoscopic Sinus Surgery in the Geriatric Patient
Samuel N Helman, MD
- I003** Unilateral Hyposmia: A Case of Sinonasal Glomangiopericytoma
Jessica B Howell, MD
- I004** Safety and Efficacy of Frontal Sinus Stents: A Systematic Review
Ahmed Awad Hussein, MD
- I005** Using Mucosal Eosinophilic Count as a Guide in the Management of Chronic Rhinosinusitis
Mingsi Li, MD
- I006** Crowd vs. Surgeons: Assessing Skill in Functional Endoscopic Sinus Surgery for Tasks That Require Anatomical Knowledge
Masaru Ishii, MD PhD
- I007** Endoscopic Removal of Intranasal Supernumerary Tooth Presenting as Nasal Obstruction and Epistaxis
Tiffany T Pham, MS
- I008** Intraseptal Mucocele as a Long Term Complication of Revision Septorhinoplasty: A Case Report and Review of a Rare Entity
Jordan W Rawl, MD

CLINICAL FUNDAMENTALS

- I009** Factors Impacting Otolaryngology in Training Exam (ITE) Scores
Kristan P Alfonso, MD
- I010** Citation and Quotation Errors in Otolaryngology Journals: An Update
Michael F Armstrong, BS

- I011** Word Cloud Visual Letters of Recommendation Non-Inferior to Standard Letters of Recommendation
Sinehan B Bayrak, MD
- I012** Comparison of Otolaryngologic Surgery Referral Pathways at a Public Safety Net Hospital versus a Private Tertiary Care Academic Hospital
Anna Jackanich, BS
- I013** Quality Improvement: Improving Education amongst Healthcare Providers in Management of Obligate Neck Breathers
Elizabeth S Burckardt, MD
- I014** Otolaryngologists in the Veterans Health Administration: Is There a Gender Gap?
Sarah M Dermody, BS
- I015** Insurance Barriers for Tracheotomy Related Durable Medical Equipment
Palmer L Foran
- I016** The Role of Otolaryngology in a Tracheostomy Care Team
Mohamad R Issa, MD, MS
- I017** Otolaryngology Residency Interviewing Dates and Practices: What Should an Applicant Expect?
Andrew H Lee, MD
- I018** Reaching Across the Aisle: The State of Cross-Disciplinary Collaboration in Otolaryngology
Andrew H Lee, MD
- I019** Representation of Developing Countries in Otolaryngology Research: A Survey of Three Influential Otolaryngology Journals
Andrew H Lee, MD
- I020** Resident Selection Process: Comparison of Traditional Ranking to Talent Based Assessment on Two Interview Days
Kelly A Scriven, MD

- I021** Time Driven Activity Based Costing (TDABC) in Otolaryngology – Head & Neck Surgery: Dissecting the Cost of an Adenotonsillectomy in an Academic Medical Center
Jonathan C Simmonds, MD
- I022** Discharge by Noon: An Initiative by the Otolaryngology Service
Akina Tamaki, MD

GENERAL/FACIAL PLASTIC & RECONSTRUCTIVE

- I023** Orbital Fractures: A Retrospective Analysis of 173 Cases at a Nationally Recognized Trauma Center
Kareem M Al-Mulki,
- I024** Epistaxis in Patients with Antithrombotic Treatment: A Comparison Between Factor Xa Inhibitors, Warfarin and Antiplatelet Therapy
Eran Y Glikson, MD
- I025** Evolving Trends in Thyroid Cancer Among Pediatric and Adult Inpatient Populations
Aparna Govindan, BA
- I026** Dangers of Videolaryngoscopy Assisted Intubation: Risk for Multiple Otolaryngologic Complications
Jessica B Howell, MD
- I027** Unclogging the Drain: Case Report of a Rare Complication
Anna E Jackanich, BS
- I028** Syphilis of the Oropharynx: Case Series of "The Great Masquerader"
Ameiya A Jategaonkar, MD
- I029** Complementary and Alternative Medicine within Otolaryngologic Perioperative Care: A Review
Aron R Kallush, BA
- I030** A Review of Open Access Solicitation in Otolaryngology
Brandon J Kim, MD

TRIO POSTERS

- I031** Secondary Syphilis: A Case of Unknown Primary
Jaclyn Klimczak, MD
- I032** Cost Differences between Otic and Ophthalmic Drops
Jiahui Lin, MD
- I033** Indications for Surgical Management of Hyoid Bone Syndrome
Jenny F Ma, BA
- I034** Epidemiology and Resource Utilization of Ludwig's Angina Emergency Department Visits in the United States from 2006 to 2014
Jamiela A McDonnough, BS
- I035** A Branchial Cleft Cyst of the Parapharyngeal Space
Kinneri Mehta, MD
- I036** Extracranial Carotid Artery Aneurysm Presenting as a Parapharyngeal Space Mass
Kinneri Mehta, MD
- I037** Maternity and Paternity Leave in Otolaryngology Residency Training
Adam A Miller, BS
- I038** Frontal Sinus Obliteration by Autologous Fat Complicated by Infection: A Case Report
Omid Moshtaghi, MS
- I039** Assessing Basic Otolaryngology Competency among Medical Students: A Multi-Institutional Study
Luke J Pasick, BS
- I040** Nasal Fractures: Analysis of 255,533 Patients in the National Trauma Data Bank
Tiffany T Pham, MS
- I041** A Low Cost Simulator for Flexible Laryngoscopy
Apoorva T Ramaswamy, MD
- I042** Multifocal Extra Parotid Warthin's Tumor – An Uncommon Presentation of Bilateral Cervical Lymphadenopathy
Ryan A Rimmer, MD
- I043** Balloon Sinuplasty for the Frontal Sinus Fracture Involving the Frontal Sinus Outflow Tract
Robert Saddawi-Konefka, MD PhD

- I044** Tracheotomy Care for the Nonsurgical Provider: A Quality Improvement Project
Marissa A Schwartz, MD
- I045** The Otolaryngology Match: A Bibliometric Analysis of 222 First Year Residents
Loka P Thangamathesvaran, MD
- I046** Going Global: Interest in Global Health among US Otolaryngology Residents
Julia C Toman, MD
- I047** Thyroglossal Duct Cyst in the Elderly: Case Report and Review of the Literature.
Weitao Wang, MD

HEAD & NECK

- I048** Epidemiology and Survival Outcomes of Gingival Squamous Cell Carcinoma: A Comparison by Primary Site
Jose E Alonso, MD
- I049** Patterns of Cervical Node Metastases and Their Prognostic Impact in Patients with Squamous Cell Carcinoma of the Lower Gingiva: A Population Based Analysis
Jose E Alonso, MD
- I050** The Impact of Sentinel Lymph Node Biopsy and Neck Dissection on Survival of Patients with Early Stage Merkel Cell Carcinoma of the Head and Neck
Jennifer L Anderson, PhD
- I051** National Evaluation of Sentinel Lymph Node Biopsy for Early Stage Oral Cavity Cancer
John D Cramer, MD
- I052** Cervical Thoracic Duct Cyst: A Case Report and Discussion of Diagnosis and Management
Anna Frants, MD
- I053** Transplanted Human Bone Marrow Derived Mesenchymal Stem Cells Do Not Engraft in the Injured Rat Tongue
Alexander N Goel, BA
- I054** Impact of Retropharyngeal Lymph Node Involvement in Squamous Cell Carcinoma of the Soft Palate and Uvula
Albert Y Han, MD, PhD
- I055** Compressed Management Pathway for Thyroid and Parathyroid Surgery
Norman H Heindel, BS
- I056** Utilizing Consumer Photoplethysmography Technology to Augment the Modified Allen's Test in Measuring Collateral Circulation to the Hand: A Proof of Concept
Allison C Hu, BA
- I057** Perioperative Outcomes Associated with Bipolar versus Cold Knife Dissection in Parotid Gland Surgery
Meredith A Lilly, BA
- I058** Investigating the Role of Adjuvant Chemotherapy during Primary Treatment of Esthesioneuroblastoma
John P Marinelli, BS
- I059** Factors Affecting Readmission Rate Following Major Salivary Gland Surgery
Suresh Mohan, MD
- I060** 39 Years of Trends in Oral Cavity Cancer in New York State
William T Reed, BS
- I061** Esophageal Adenocarcinoma Presenting as a Metastatic Nasal Mass
Brandon A Shepherd, MD
- I062** Sublingual Epidermoid Cyst Mimicking a Plunging Ranula: Case Report and Literature Review
Richard W Thompson, MD
- I063** Impact of Abnormal Coagulation Profile on Postoperative Complications After Major Head and Neck Surgeries
Joseph S Weisberger, MS
- I064** Direct Infiltration of Papillary Thyroid Carcinoma to the Trachea: A Case Report and Systematic Review
Kevin Wong, BA
- I065** Management of a Rare Complete Fourth Branchial Cleft Fistula Presenting as a Discharging Pharyngocutaneous Fistula in an Adult: A Case Report and Review of the Literature
Paul Zhang, MD, MPH

2nd Combined Posters

TRIO POSTERS

LARYNGOLOGY/ BRONCHESOPHAGOGY/ SLEEP MEDICINE

- I066** Iatrogenic Pneumothorax During Hypoglossal Nerve Stimulator Implantation
Alberto A Arteaga, MD
- I067** Hypoglossal Nerve Stimulation for Obstructive Sleep Apnea in the Veteran Population
Keith J Basler, MD
- I068** Changes in Proton Pump Inhibitor Prescribing Patterns in 2014-2016: A Single Institution Study
Abel P David, BS
- I069** Is Drug Induced Sleep Endoscopy Safe?
Tanner M Fullmer, MD
- I070** The Relationship Between Obstructive Sleep Apnea and Posturography
Meha Goyal, MD
- I071** Perioperative Considerations for Airway Evaluation and Management in the Setting of Tracheal Diverticulosis
Frances Mei L Hardin, MD
- I072** Ossification of the Cartilage Island after Type I Thyroplasty
Luke A Miller, MD
- I073** The Need for Preoperative Echocardiogram in Pediatric Population with Severe Obstructive Sleep Apnea Prior to Adenotonsillectomy
Calvin W Myint, MD
- I074** Prevalence of Obstructive Sleep Apnea and Associated Symptoms by Validated Questionnaires in a Tertiary Care Cardiology Clinic
Melissa S Oh, BA
- I075** Hyoid Bone Movement Along Multiple Planes as a Result of Hyomandibular Suspension to Treat Obstructive Sleep Apnea
Dustin A Platter, BS

- I076** Combined Anterograde Retrograde Pharyngoesophageal Dilation Followed by Serial Self-Dilation in Patients with an Intact Larynx
Lindsay S Reder, MD
- I077** The Indication of a Concomitant Use of Veno-Venous Extracorporeal Membrane Oxygenation (V-V ECMO) in Tracheostomy
Koji Saida, MD
- I078** Vocal Cord Paralysis as a Relapse Symptom of Otitis Media with ANCA Associated Vasculitis (OMAAV)
Nao Takahashi

OTOLOGY/NEUROTOLOGY

- I079** Optimizing Testing for BPPV: The Loaded Dix-Hallpike
Luke N Andera, MD
- I080** Recurrent Spontaneous Pneumocephalus Caused by Middle Fossa Encephaloceles
Amy P Bansal, MD
- I081** Utility of Annotated Surgical Case Videos for Resident Education: A Pilot Study
Clifford Scott Brown, MD
- I082** Individual Minimally Clinically Important Difference for Patients with Vestibular Schwannoma: A Step Beyond Statistical Significance
Matthew L Carlson, MD
- I083** Malignant Transformation of Paraganglioma Following Radiation: A Case Report
Zachariah K Chandy, MD
- I084** Supporting Cell Survival after Cochlear Implant Surgery
Alvin T Detorres, MD
- I085** Durability of Hearing Preservation Following Microsurgical Resection of Vestibular Schwannoma
Eric M Dowling, MD
- I086** Comparison of Microscopic and Endoscopic Approaches for Auditory Brainstem Implantation: A Cadaveric Study
Vivek V Kanumuri, MD
- I087** Tragal Cartilage Graft Anterior Perforation Tympanoplasty: Surgical Technique and Outcomes
Grace S Kim, MD
- I088** Auditory Rehabilitation for the Otolaryngologist: A Systematic Review
Renata M Knoll, MD
- I089** Patient Oriented Assessment of Online Bone Anchored Hearing Aid Resources
Andrew H Lee, MD
- I090** Using Virtual Reality to Help Depict Round Window Exposure for Cochlear Implantation
Justin T Lui, MD
- I091** Audiometric Findings in Children with Unilateral Enlarged Vestibular Aqueduct
Robert J Macielak, BS
- I092** Clinician Adherence to the Clinical Practice Guideline: Acute Otitis Externa
Nicholas R Mildenhall, MD
- I093** Characterizing Mid-Frequency Sensorineural Hearing Loss
Jack L Birkenbeuel, BS
- I094** Retinal Detachment Secondary to Otitic Hydrocephalus Associated with Acute Otitis Media in a Child: A Case Report
Koshi Otsuki, MD, PhD
- I095** Effect of Cochlear Implant Candidacy Delay on Speech Perception Outcomes in Children with Hearing Loss
Elizabeth L Perkins, MD
- I096** Recurrent Apocrine Hidrocystoma of the External Auditory Canal
Ronald Sahyouni, MS

TRIO POSTERS

- I097** Clinical Outcomes in Patients with Eustachian Tube Dysfunction
Stephen S Schoeff, MD
- I098** Epidemiological Analysis of Vestibular Sequelae among Patients with Concussions in United States Emergency Rooms
Rosh KV Sethi, MD, MPH
- I099** Mastoid Obliteration Using Autologous Bone Dust Following Canal Wall Down Mastoidectomy
Pedrom C Sioshansi, MD
- I100** Symptoms in Cervical Vertigo
Adam C Thompson-Harvey, BA
- I101** Utility of Neuropsychological Evaluation in Predicting Audiometric and Speech Outcomes Following Cochlear Implantation
Andrew G Tritter, MD
- I102** Phosphaturic Mesenchymal Tumor of the Cerebellopontine Angle
Erika M Walsh, MD

- I103** Outcomes of Round Window Vibroplasty – A United States Experience
Scott K Walton, MD
- I104** High Rates of Hearing Loss in Survivors of Ebola Virus Infection
Mary J Xu, MD
- I105** Long Term Outcomes of Cartilage Buttressed T-Tube Tympanoplasty for Prolonged Middle Ear Ventilation
Steven A Zuniga, MD

PEDIATRIC OTOLARYNGOLOGY

- I106** Retrospective Comparison of Velcro and Twill Tie Outcomes Following Pediatric Tracheostomy
Anna C Bitners, BS
- I107** Comparing iPad's and Vecta Mobile Sensory Station's Influence on Pediatric Patients' Experiences in a Same Day Surgery Unit
Kristin E Davis, BS
- I108** Delayed Saddle Nose Deformity after Pediatric Septoplasty: A Cautionary Tale of Three Cases
Linh T Dang, BA
- I109** CO2 Laser for Oropharyngeal Lymphangioma
Brian C Deutsch, BS
- I110** Hair Follicle Nevus—The Great Masquerader
Julia L Cowenhoven, BA
- I111** Safety of Preoperative Oral Ibuprofen in Adenoidectomy and Tonsillectomy
Alexander Michael, BS
- I112** Evaluation of Bevacizumab (Avastin®) Use for Treating Recurrent Respiratory Papillomatosis (RRP) in Children
Kasey W Rawlins, BS

WE THANK YOU

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

Arbor Pharmaceuticals
Cook Medical
Merck

PENTAX Medical
Olympus America, Inc.
Smith & Nephew

Stryker
Teleflex
Vorotek USA/Black
and Black Surgical

COSM
COMBINED
OTOLARYNGOLOGY
SPRING MEETINGS

Business & Social Events

All event locations are located within the Gaylord National Resort and Conference Center, unless otherwise noted.

TUESDAY APRIL 17

**AHNS Exported ACS
Thyroid, Parathyroid, and
Neck Ultrasound Course
(Didactic Lectures)**
7:30 am – 12:50 pm
National Harbor 3

ABEA Council Meeting
12:00 – 6:30 pm
National Harbor 8

ALA Council Meeting
12:30 – 5:00 pm
National Harbor 9

**AHNS Exported ACS
Thyroid, Parathyroid, and
Neck Ultrasound Course
(Hands On Lab)**
1:00 – 4:35 pm
National Harbor 2

AHNS Council Meeting
1:00 – 5:00pm
Chesapeake 7-9

**AHNS Thyroid and
Parathyroid Surgery Course
for Residents and Fellows**
1:15 – 5:15 pm
National Harbor 3

WEDNESDAY APRIL 18

AHNS Centurion Club
7:30 am – 5:00 pm
Chesapeake A

ALA Business Meeting
12:00 pm – 1:00 pm
Maryland B

Dysphagia Surgical Society
5:00 – 7:00 pm
Chesapeake GH

ALA President's Reception
7:30 – 10:00 pm
National Harbor 10

THURSDAY APRIL 19

**ALA Post Graduate
Symposium**
6:00 – 7:15 am
Chesapeake GHI

AOS Council Meeting
6:30 – 9:15 am
Chesapeake C

**ARS Marketing Committee
Meeting**
7:00 – 8:00 am
National Harbor 6

**ARS Research & Grants
Committee Meeting**
7:00 – 8:00 am
Chesapeake D

**ARS Residents & Fellows
Section Committee Meeting**
7:00 – 8:00 am
Azalea 3

AHNS Centurion Club
7:30 am – 5:00 pm
Chesapeake A

**ARS Board of Directors
Meeting**
8:00 am-12:00 pm
Chesapeake 4-6

**ANS Executive Council
Meeting**
9:30 am – 12:30 pm
Chesapeake B

**ASPO Board and Committee
Meetings**
11:00 am – 9:00 pm
Chesapeake C, D, F, G

**TRIO Executive Committee
and Council Meeting**
12:00 – 5:30 pm
National Harbor 10

**ANS/AOS Joint Council
Meeting**
1:00 – 3:00 pm
Chesapeake H

**COSM 1st Combined Poster
Session: AAFPRS, ABEA,
AHNS, ALA, and ARS**
5:30 – 7:00 pm
Prince George's Exhibit Hall A

**ARS President's Welcome
Reception**
6:30 – 8:00 pm
National Harbor 3

ALA Former Fellows Reception
7:00 – 8:30 pm
Eastern Shore 2

AHNS President's Reception
7:30 – 8:30 pm
National Harbor 11

FRIDAY APRIL 20

AADO Business Meeting
6:00 – 7:00 am
Chesapeake DE

ASPO Fun Run
7:00 am
Maryland Ballroom Foyer

**New Fellow Ceremony and
Member Reception**
7:00 – 8:00 am
Maryland A

**ANS Education Committee
Meeting**
7:00 – 8:15 am
Chesapeake A

ASPO Committee Meetings
8:00 am – 12:00 pm
Chesapeake G

ANS O&N Board of Directors
8:30 – 10:00 am
Chesapeake A

**ANS Neurotology Fellowship
Program Directors**
10:30 – 11:45 am
Chesapeake A

AOS Business Meeting
1:00 – 1:30 pm
Maryland C

**COSM 2nd Combined
Poster Session: ANS, AOS,
ASPO, and TRIO**
5:30 – 7:00 pm
Prince George's Exhibit Hall A

**ANS WiN Reception
Women in Neurotology**
6:00 – 7:00 pm
Chesapeake D-E

**ANS 53rd Annual President's
Reception**
7:00 – 8:30 pm
National Harbor 4-5

ASPO Development Reception
7:30 – 9:30 pm
Public House
199 Fleet St, Oxon Hill, MD 20745

SATURDAY APRIL 21

ASPO Mentorship Breakfast
6:15 – 7:30 am
Chesapeake DE

**ASPO Past President's
Breakfast (By Invitation Only)**
6:15 – 7:30 am
Chesapeake H

AOS Business Meeting
7:00 – 7:30 am
Maryland C

TRIO Business Meeting
7:00 – 7:55 am
Maryland B

ASPO Business Meeting
7:30 – 8:40 am
Maryland A 1-3

ANS Business Meeting
1:00 – 1:20 pm
Maryland C

AOS President's Reception
6:30 – 7:15 pm
Woodrow Wilson A Foyer

ASPO Banquet
6:30 – 8:30 pm
Eastern Shore 1-2

AOS President's Dinner
7:15 – 10:30 pm
Woodrow Wilson A

SUNDAY APRIL 22

ANS Business Meeting
7:00 – 7:20 am
Maryland C



Exhibitor Listings

A

A.R.C. Laser GmbH 123

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 301

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 423

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.

Arbor Pharmaceuticals, Inc. 216

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.

Arrinex, Inc. 231

Arrinex, Inc. pioneers technologies that improve patients' quality of life. The ClariFix device is an FDA cleared cryotherapy tool to treat adult patients with Chronic Rhinitis.

ASSI Accurate Surgical 233

ASSI, your only source for the Finest Hand Crafted MicroSurgical Instrumentation and MicroClamps including its range of SuperMicrosurgery Instrumentation invite the COSM Attendees to visit booth 233.

Atmos Inc. 429

Established 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 128

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.

B

Boston Medical Products, Inc. 322

Boston Medical Products, Inc. offers three cost-effective solutions for your unilateral vocal cord paralysis patients. Renú® Gel, Renú® Voice and Montgomery® Thyroplasty Implant System.

BR Surgical LLC 327

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

Exhibitor Listings

Bryan Medical, Inc. 310

As the manufacturer of the Aeris balloon dilation catheter and the sole US distributor of Tracoe brand products, Bryan Medical is dedicated to providing doctors and patients with innovative airway products.

C

Carestream 415

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

Cascade Specialty Pharmacy 129

Cascade Specialty Pharmacy is a compounding pharmacy that excels at dispensing prescription medications. This also enables us to create affordable medications for our customers, passing on the savings.

Checkpoint Surgical, Inc. 213

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.

Clarion Brands 225

Lipo-Flavonoid is a natural product that has been used and studied extensively for decades. It is a safe, often effective product that can provide relief to people who suffer with ringing in the ears.

Cochlear Americas 312

Cochlear is the global leader in implantable hearing solutions. Visit us at booth #312 to learn more about our latest products and updates. For more information, visit Cochlear.com/us.

Cook Medical 430

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.

CooperSurgical 227

CooperSurgical will be highlighting our range of products for various procedures across multiple specialties including the Carter-Thomason Closure System for Port Site Closure and Lone Star Retractors.

D

DePuy Synthes 305

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. 210

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

Distal Access 111

Distal Access, LLC, develops cost-effective medical devices to help clinicians improve patient care. The SHAVR platforms help clinicians perform tissue resection with a simple disposable non-powered system.

E

Ear Nose & Throat Journal 204

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.

Earlens Corporation 101

Earlens is the first hearing device to use light to transmit sound. By using light, Earlens provides the broadest bandwidth on the market: delivering 60 dB of gain between 125Hz and 10kHz. www.earlens.com

Entellus Medical 317

Entellus Medical is committed to delivering superior physician and patient experiences with less invasive technologies that enable procedures to be performed in more cost effective sites of service.

Ethicon US, LLC 303

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.

Exelixis 131

Exelixis, Inc. is a commercially successful, oncology-focused biotechnology company that strives to accelerate the discovery, development and commercialization of new medicines for difficult-to-treat cancers.

F

Fuel Medical Group 205

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

G

Geisinger Health System 224

Geisinger is an integrated health services organization that serves more than 3 million people in central, south-central and northeast Pennsylvania and also in southern New Jersey.

Genentech 424

Erivedge (vismodegib) indicated for the treatment of adults with mBCC or with laBCC that has recurred following surgery or are not candidates for surgery, and not candidates for radiation.

Grace Medical, Inc. 200

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.

H

Haag-Streit USA 203

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 431

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. 419

Hood Laboratories is proud to announce New Salivary Management Products to aid in irrigation, along with the Schaitkin Salivary Duct Cannula & the Walvekar Salivary Stent.

I

InHealth Technologies 306

InHealth Technologies offers ENT Products and Blom-Singer® Systems – global leader in post-laryngectomy tracheoesophageal voice restoration for over 40 years. www.inhealth.com

Inspire Medical Systems, Inc. 219

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

Instrumentarium 307

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 331

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 117

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. 113

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

Pilling® Garrett-Ossoff-Pilling Laryngoscope

The new Garrett-Ossoff-Pilling Laryngoscope:

- Has 2 cm of additional blade length
- Allows the surgeon access to the surgical site in tall patients

The Ossoff-Pilling family allows surgeons to focus on critical anatomy during procedures in a range of patient sizes.

Come see the Garrett-Ossoff-Pilling Laryngoscope at COSM Booth #206

Not all products available in all markets.

Teleflex, the Teleflex logo, and Pilling are trademarks or registered trademarks of Teleflex Incorporated or its affiliates, in the U.S. and/or other countries.

© 2018 Teleflex Incorporated. All rights reserved. MC-003164 Rev 0.1



Teleflex®

Exhibitor Listings

JAMA Network (The) 433

JAMA Network brings JAMA together with eleven specialty journals to offer access to research, reviews, and opinions of medicine. JAMA Network Open, a new open access medical journal, launches in early 2018.

JEDMED Instrument Company 211

JEDMED is an employee-owned company that has been serving the medical community for 40 years. We carry almost everything that would be needed in setting up an ENT practice and look forward to working with you.

K

Kaiser Permanente 441

Southern California Permanente Medical Group is fortunate to have more than 60 years of stability and experience in delivering high-quality, innovative health care centered around the patients.

KARL STORZ Endoscopy-America, Inc. 207

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. 406

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 324

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 300

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

M

MED-EL Corporation 400

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 or call 1-888-633-3524.

Medical Center Pharmacy 133

Medical Center Pharmacy is the leader in topical sinus therapy. Providing innovative formulations that combine steroid, antibiotic, and anti-fungal treatments, delivered directly to the sinuses.

Medtronic 103

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

Merck & Co., Inc. 125

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

Midatech Pharma US Inc. 229

An international specialty pharmaceutical company focused on developing and commercializing products in oncology and other therapeutic areas.

MirrorMe3D 212

Precision is paramount for conducting soft tissue analysis and planning. Using 3D technology, we're on a mission to serve surgeons who desire innovative tools for enhanced communication and execution.

N

NeilMed Pharmaceuticals 311

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.

Novartis Pharmaceuticals 228

Novartis provides innovative healthcare solutions that address the evolving needs of patients and societies. For more information, please visit www.novartis.com. 862 778 2100

NSK America Corp. 330

Primado 2 is NSK's second generation high speed electric surgical drill system. A wide range of motors, handpieces, and burs are available to support a variety of surgical applications.

O

Olympus America Inc. 230

Olympus develops solutions for healthcare professionals that help improve clinical outcomes, reduce overall costs and enhance quality of life for their patients.

OmniGuide Surgical 105

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

OptiNose 428

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 223

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.

Ototronix 426

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

P

PENTAX Medical 411

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

Phacon GMBH 437

The PHACON trainers with integrated sensor technology combine the advantages of surgical training on an artificial anatomical model with the possibilities of virtual assistance.

Plural Publishing, Inc. 407

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

PMPH USA, Ltd. 116

PMPH USA, Publishing to Advance the Practice of Medicine.

R

Reliance Medical Products 316

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.

Rose Micro Solutions 112

Rose Micro Solutions sells High Quality Optical Loupes & LED Lighting Systems for Less! Our Loupes start @ \$279.00. We are a "Family" Business consisting of 4 Brothers. We named the company after our mother "ROSE".

S

Sanford Health 127

Sanford Health is the largest rural not-for-profit health care system in the nation. 28,000 employees and over 1,400 primary and specialty care physicians.

Shire 201

Shire enables people with life-altering conditions to lead better lives. Our strategy is to focus on developing and marketing innovative specialty medicines to meet significant unmet patient needs.

Smith & Nephew 323

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.

Sonavex, Inc. 439

Sonavex leverages automated imaging technology to provide direct visualization and quantification of anastomotic flow at the bedside, to deliver early, definitive & reliable real-time insight on flap viability.

Squip, Inc. 118

Squip is a manufacturer & distributor of over the counter medical devices. Nasal rinsing/mucus aspiration, ear wax removal & inhalation therapy are examples of applications that have been brought to market.

Stryker 401

Stryker is one of the world's leading medical technology companies and, together with our customers, we are driven to make healthcare better. Visit us at stryker.com.

T

Teleflex 206

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

U

Ultralight Optics, Inc. 217

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

Vorotek USA/Black and Black Surgical 328

Black & Black Surgical offers premium instruments for facial plastic surgery, including an exceptional line of LED products from Vorotek, including Loupes, Headlights and the O Scope™, a head-worn microscope.

W

Wiley 325

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

Wolters Kluwer 313

Wolters Kluwer Health is a leading global provider of information and point of care solutions for the healthcare industry.

X

Xenosys USA 417

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 410

Xoran's MiniCAT — helps patient care and retention generates revenue via reimbursements expedites FESS and balloon dilation Xoran's xCAT — Seamless iCT paired with Fiagon Navigation can save precious time in the OR

Z

ZEISS 416

Carl Zeiss Meditec (www.zeiss.com/us) is one of the world's leading medical technology companies that is dedicated to helping healthcare professionals enhance patient care.

Zimmer Biomet 226

Zimmer Biomet Company Description Founded in 1927 and headquartered in Warsaw, Indiana, Zimmer Biomet is a global leader in musculoskeletal healthcare.

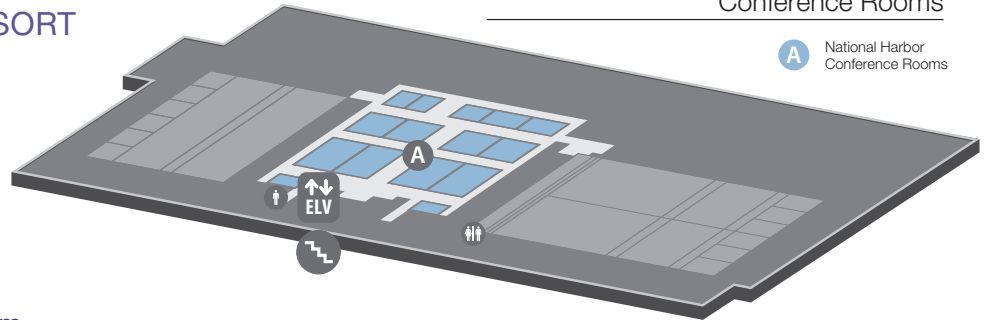
Floorplan

GAYLORD NATIONAL RESORT & CONVENTION CENTER

Access the COSM App
for additional maps

National Harbor Conference Rooms

A National Harbor
Conference Rooms



COSM Speaker Ready Room (Chesapeake K)

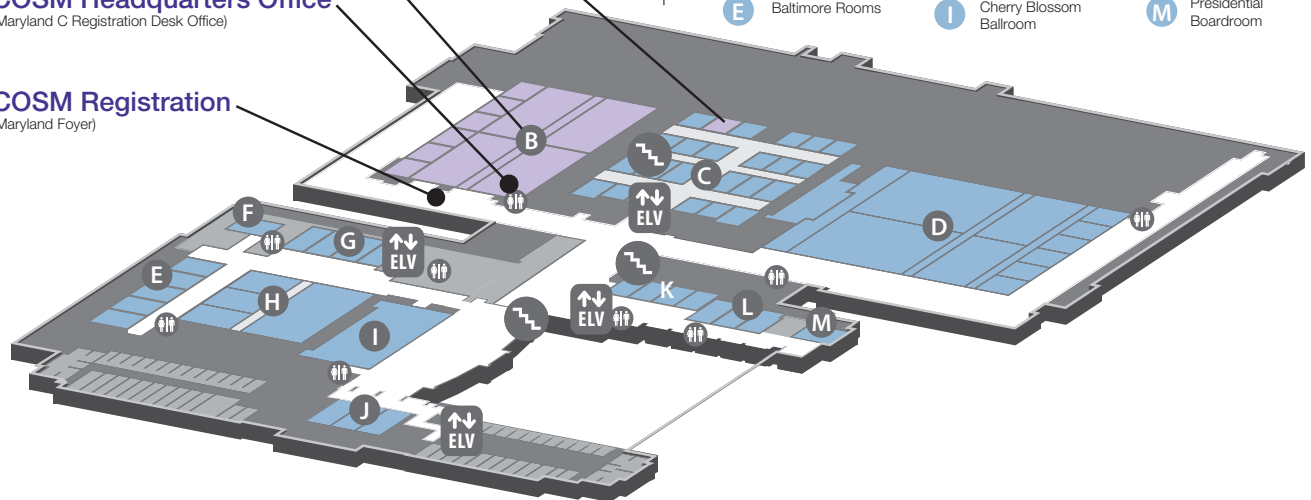
COSM Scientific Sessions (Maryland Ballrooms)

COSM Headquarters Office (Maryland C Registration Desk Office)

COSM Registration (Maryland Foyer)

Ballroom Level

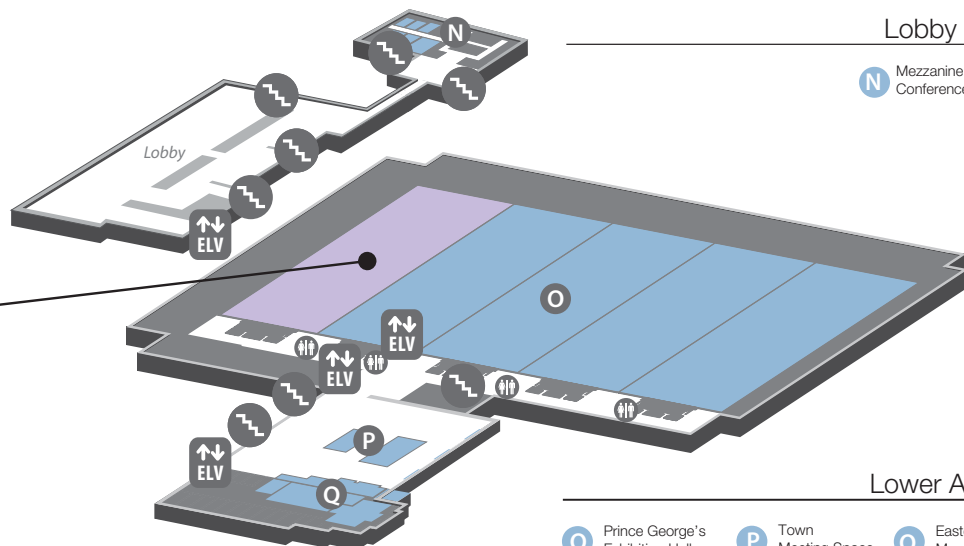
- | | | |
|--------------------------------------|------------------------------------|---------------------------------|
| B Maryland Ballroom | F Fort Washington Boardroom | J Magnolia Rooms |
| C Chesapeake Conference Rooms | G Annapolis Rooms | K Camellia Rooms |
| D Potomac Ballroom | H Woodrow Wilson Ballroom | L Azalea Rooms |
| E Baltimore Rooms | I Cherry Blossom Ballroom | M Presidential Boardroom |



Lobby Level

N Mezzanine
Conference Rooms

COSM Exhibit Hall (Prince George's Exhibit Hall A)



Lower Atrium

- | | | |
|---|--------------------------------|---|
| O Prince George's
Exhibition Hall | P Town
Meeting Space | Q Eastern Shore
Meeting Space |
|---|--------------------------------|---|

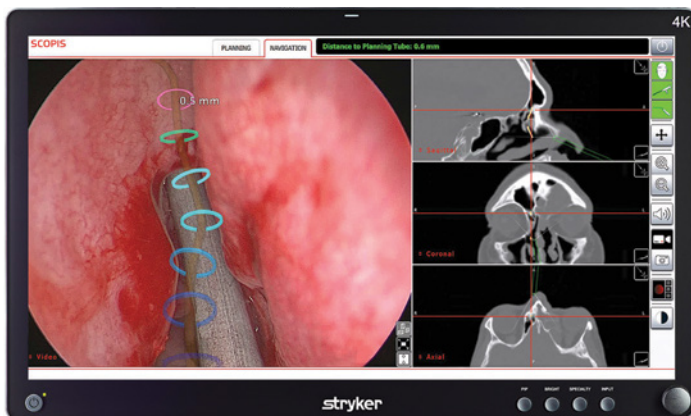
Advancing personalized surgery **together.**

**Strengthening our partnership
to provide you with a superior
level of service for VSP
(Virtual Surgical Planning)
and medical models.**



**Learn more at booth #401
or online at cmf.stryker.com**

Right on **target**



**Experience TGS
augmented reality**

Booth #401

The information presented is intended to demonstrate a Stryker product. A surgeon must always refer to the package insert, product label and/or instructions for use, including the instructions for cleaning and sterilization (if applicable), before using any Stryker product. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Scopis, TGS and Stryker. All other trademarks are trademarks of their respective owners or holder.