

6th Annual ENT for the PA-C CME Conference

March 30 – April 3, 2016
Wyndham Grand Orlando Resort Bonnet Creek
Orlando, Florida



Provided By

American Academy of Otolaryngology – Head & Neck Surgery
(AAO-HNSF)
Society of Physician Assistants in Otorhinolaryngology
- Head & Neck Surgery (SPAO-HNS)

Hosted By

The Ear, Nose, Throat, and Plastic Surgery Associates
Winter Park Memorial Hospital, a Florida Hospital

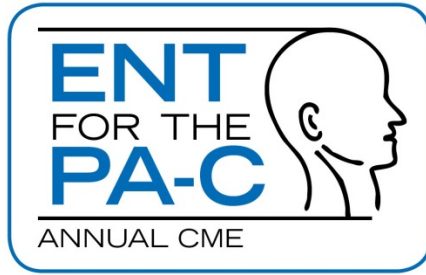


The Ear, Nose, Throat
&
Plastic Surgery Associates



WINTER PARK
MEMORIAL HOSPITAL
A Florida Hospital

The skill to heal. The spirit to care.®



**6th Annual ENT for the PA-C
CME Conference
March 30 – April 3, 2016
Wyndham Grand Orlando Bonnet Creek
Orlando, Florida**

The 6th Annual ENT for the PA-C CME conference is provided by the American Academy of Otolaryngology - Head & Neck Surgery Foundation (AAO-HNSF) and the Society of Physician Assistants in Otorhinolaryngology / Head & Neck Surgery (SPO-HNS) and graciously hosted by The Ear, Nose, Throat, and Plastic Surgery Associates and Winter Park Memorial Hospital, a Florida Hospital.

This continuing medical education activity is specifically designed for physician assistants, nurse practitioners and medical professionals working or interested in otolaryngology in primary care, urgent care, pediatric, and emergency room settings.

Lecture topics have been selected based on relevancy, practice need and audience requests from over eight years of lecture series. This program has been reviewed and is approved for a maximum of 107.00 hours (a maximum of 38 earnable by an individual) of AAPA Category 1 CME credit by the Physician Assistant Review Panel. Physician assistants should claim only those hours actually spent participating in the CME activity.



This program was planned in accordance with AAPA's CME Standards for Live Programs and for Commercial Support of Live Programs.

CME Credit Information

Certificates

In order to receive your CME certificate as verification of attendance, you must complete the post-meeting survey that will be provided via e-mail following the conference. Upon completion, you may request an electronic certificate by emailing admin@entpa.org.

Handouts & Presentations

PowerPoint presentations can be accessed on the conference thumb drive and have also been posted online at www.entpa.org/2016_presentations.

NCCPA CME Logging

1. Keep track of sessions you attend.
2. Go to www.nccpa.net and Log on to Your Personal Certification Record.
3. Click "Log New CME," and then click on your conference link.

For additional information on logging your hours through NCCPA, please visit their website at www.nccpa.net. By logging your hours through the Conference Logging Link, your hours are verified, and thereby not audited by NCCPA.

NCCPA service representatives are available 8:30 a.m.-5 p.m. EST Monday-Friday to help answer any questions you may have. The NCCPA customer service line is 678-417-8100.

These CME hours are ANCC-approved.

The CME hours awarded for the ENT for the PA-C Annual Conference are approved by the American Academy of Physician Assistants (AAPA), one of the authorized CME providers by the ANCC. For details, please visit <http://www.nursecredentialing.org/RenewalRequirements.aspx>.

Networking Reception

Join us for an opportunity to network with other attendees at the reception on Friday evening. The reception will begin at 6:30 p.m. in the Cabana Deck & Tesoro Commons A. We look forward to seeing you there for a cash bar and hors d'oeuvres!

O.R. Simulation Lab Schedule

O.R. Simulation Labs are optional and incur an additional fee for registration. All simulation labs held at The Nicholson Center of Winter Park Hospital. Transportation to the Nicholson Center is on your own. Address is 404 Celebration Place, Celebration, Florida 34747, P: (407) 303-4872.

Wednesday, March 30

Introduction to the ENT O.R.

Session: 8:00 – 10:00 a.m.

Room: Boardroom and O.R. 1

Jeff Fichera, PA-C

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

- Discuss and practice operating room protocol to include asepsis, scrubbing, gowning, gloving, and draping.
- Review names and usage, and practice with, instruments used in ENT.
- Explain Safety Protocol and Time Out Protocol
- Discuss and practice appropriate “Assist at Surgery” technique for ENT procedures

Advanced ENT O.R.

Session: 1:00 – 5:00 p.m.

Room: Boardroom and O.R. 1

Jeffrey Lehman, MD

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

- Discuss and practice surgical site injection.
- Discuss and review surgical anatomy on a human cadaver.
- Discuss and observe flap elevation techniques on human cadaver.
- Discuss and practice intra-operative surgical procedures such as ligation, wound closure and drain placement.
- Discuss and observe DaVinci robotics ENT procedure and the role of the PA in this procedure.

Videostroboscopy

Sessions: 10:00 a.m. – 12:00 p.m., 3:00 – 5:00 p.m.

Room: Boardroom and O.R. 1

Ann Walter, PA-C and Ralph Iannuzzi, MD

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

- Recognize the usage and care of videostroboscopy equipment.
- Discuss indications for videostroboscopy examination of the adult.
- Identify normal anatomy, normal variants and abnormal findings visible via videostroboscopy
- Practice performing and recording a videostroboscopy exam on a simulated adult patient.

Workshop Schedule

Workshops are optional and incur an additional fee for registration. All workshops held at hotel unless otherwise noted.

Thursday, March 31

Basic Otology Workshop

Sessions: 10 a.m. - 12:00 p.m., 1- 3:00 p.m., 3:30-5:30 p.m.

Room: Ponce De Leon V-VI-VII (5,6,7)

Jeff Fichera, PA-C

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

- Discuss normal, normal variant and abnormal otologic conditions.
- Demonstrate techniques for cerumen removal.
- Demonstrate techniques for foreign body removal from ear.
- Perform manual pneumatic otoscopy examination.

Vertigo Workshop

Sessions: 10 a.m. – 12:00 p.m., 1- 3:00 p.m., 3:30-5:30 p.m.

Room: Journey B

Mike Valdez, PA-C

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

- Discuss and demonstrate these components of the vertigo examination:
 - Neurological examination.
 - Romberg Test.
 - Fukada Stepping Test.
 - Dix-Hallpike.
- Demonstrate and practice canalith repositioning.

Otology Workshop: Advanced

Sessions: 7:30 – 9:30 a.m., 10 a.m. – 12:00 p.m., 1- 3:00 p.m., 3:30-5:30 p.m.

Room: Voyage

Ryan Marovich, PA-C

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

- Practice removing cerumen impaction under microscope.
- Practice myringotomy.
- Practice ventilation tube insertion.
- Practice intra-tympanic membrane injection.

Flexible Nasal Endoscopy Workshop: Basic

Sessions: 7:30 – 9:30 a.m., 10 a.m. – 12:00 p.m., 1- 3:00 p.m.

Room: Ponce De Leon II (2)

Cheryl Parnell, PA-C

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

- Discuss normal anatomy on flexible nasopharyngoscopy.
- Practice the use of the flexible nasopharyngoscope on mannequins.
- Practice the use of the flexible nasopharyngoscope on simulated patient.
- Understand and practice proper endoscope use and care.

ENT Procedures Workshop

Sessions: 7:30 – 9:30 a.m., 10 a.m. – 12:00 p.m., 1- 3:00 p.m., 3:30-5:30 p.m.

Room: Ponce De Leon I (1)

Jose Mercado, PA-C

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

- Discuss indications for and practice removal nasal foreign body.
- Discuss indications for and practice control anterior epistaxis.
- Discuss indications for and practice control posterior epistaxis.
- Discuss indications for and practice fine needle aspiration.
- Discuss indications for and practice peritonsillar abscess drainage.
- Discuss indications for drainage auricular hematoma and practice splinting.

Audiology Workshop

Sessions: 10 a.m. – 12:00 p.m., 1- 3:00 p.m., 3:30-5:30 p.m.

Room: Ponce De Leon VII (7)

Robinson Cummings, AuD

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

- Recognize methodology of audiometric evaluation.
- Recognize methodology of testing otoacoustic emissions (OAE).
- Perform audiometry, tympanometry and OAE testing on a simulated patient.

Flexible and Rigid Nasal Endoscopy Workshop: Advanced

Sessions: 10 a.m. – 12:00 p.m., 1- 3:00 p.m., 3:30-5:30 p.m., 6 – 8:00 p.m.

Room: Ponce De Leon III (3)

Marti Felder, PA-C

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

- Identify normal anatomy, normal variants and abnormal findings visible via flexible nasopharyngoscopy.
- Understand indications and perform flexible and rigid scope examination of the adult.
- Understand indications and perform flexible scope examination of a child/infant mannequin.
- Perform intranasal culture and sinus debridement using rigid scope for the adult.

Airway Management Workshop: Advanced

Sessions: 3:30 - 5:30 p.m., 6 – 8:00 p.m.

Room: Journey A

Jose Mercado, PA-C

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

- Discuss and practice tracheostomy care techniques.
- Discuss and practice management for tracheostomy airway obstruction.
- Discuss and practice the management of tracheostomy airway leaks.
- Discuss and practice management for tracheostomy bleeding.
- Discuss indications for and practice cricothyrotomy.

Lecture Schedule

LOCATION: General Sessions and Primary Track lectures will be held in Ponce De Leon I – III (1 – 3). Advanced Track lectures will be held in Ponce De Leon IV – VII (4 – 7).

Friday, April 1

6:30-7:30 a.m. **Registration and Continental Breakfast in Grand Foyer**

7:30-8 a.m. **Opening Remarks (General Session)**
• Learn how to utilize the Audience Response System, log your CME, and optimize your conference experience.

8-9 a.m. **Diagnosis and Management of Meniere's Disease (General Session)**

Aftab H. Patni, MD, FACS

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

- Describe history and physical exam findings in Meniere's Disease
- Utilize appropriate testing to ascertain diagnosis of Meniere's Disease
- Formulate a management plan for the patient with Meniere's Disease utilizing current clinical guidelines

9-10 a.m. **Sudden Sensorineural Hearing Loss (Primary Track)**

Aftab H. Patni, MD, FACS

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

- Order and interpret appropriate diagnostic tests expeditiously in the evaluation of SSNHL
- Identify negative prognostic indicators in SSNHL
- Describe risks and adverse reactions of oral and intratympanic corticosteroid therapy
- Address audiological rehabilitation options for patients that have suffered from SSNHL.

9-10 a.m. **Diagnosis and work-up of the H&N cancer patient (Advanced Track)**

Henry N. Ho, MD, FACS

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

- Identify the risk factors associated with the development of head and neck malignancies
- Employ the appropriate imaging studies needed to accurately diagnose and stage head and neck malignancies
- Employ the appropriate diagnostic measures need to accurately diagnose and stage head and neck malignancies

10-10:30 a.m. **Break and Exhibit Hall Open**

10:30-11:30 a.m. Normal and Abnormal findings on Rhinoscopy (Primary Track)

Brian C. Spector, MD, FACS

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

- Maximize diagnostic yield by understanding best technique for rhinoscopy
- Identify normal anatomy, and variants of normal anatomy, visualized in rhinoscopy
- Identify abnormal findings visualized in rhinoscopy

10:30-11:30 a.m. Thyroid Masses (Advanced Track)

Henry N. Ho, MD, FACS

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

- Describe the anatomy and physiology of the thyroid gland
- Identify the most common origins of thyroid masses
- Formulate a plan for the evaluation, diagnosis and treatment of a thyroid mass
- Identify the appropriate imaging and laboratory studies needed to diagnose the etiology of the thyroid mass

11:30 a.m.-12:30 p.m. Speech and Swallowing Therapy (Primary Track)

Vicki Lewis, M.A., CCC-SLP

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

- Improve early identification of patients who may have or develop speech or swallowing problems.
- Explain the indications for ordering evaluation and treatment by the speech pathologist.
- Facilitate medical needs of patients, particularly head & neck cancer patients, to optimize results of treatment by the speech pathologist.

11:30 a.m.-12:30 p.m. Vocal Disease (Advanced Track)

Bari Hoffman Ruddy, PhD, CCC-SLP

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

- Recognize presenting vocal patterns of neurological diseases
- Recognize laryngoscopy findings of neurological vocal diseases
- Order appropriate evaluation and treatment by the speech pathologist

12:30 -1:30 p.m. Lunch & Exhibit Hall Open in Grand Foyer

1:30-2:30 p.m. Chronic Sinusitis Update (Primary Track)

Armon Jadidian, MD

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

- Define Chronic Rhinosinusitis
- Employ the appropriate evaluation and imaging measures to accurately diagnose chronic rhinosinusitis
- Apply current clinical guidelines to management and treatment of chronic rhinosinusitis

1:30-2:30 p.m.

Emerging Role of HPV in the H&N CA Patient (Advanced Track)

Bari Hoffman Ruddy, PhD, CCC-SLP

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

- Identify risk factors associated with HPV infection in the head and neck
- Identify the most common HPV strains associated with malignancy
- Understand the biology of HPV as it relates to head and neck cancer
- Discuss the role of prevention as related to head and neck HPV infection
- Discuss the treatment options for patients diagnosed with HPV associated head and neck malignancies.

2:30-3:30 p.m.

Pediatric Sleep Apnea /Sleep Disordered Breathing (Primary Track)

Stacey Ishman, MD

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

- Compare guidelines from the AASM, AAO-HNS and AAP for diagnosis/management of OSA
- Formulate a plan for evaluation and management of children with persistent obstructive sleep apnea (OSA) following adenotonsillectomy (T&A)
- Explain the options and evidence for sleep surgical procedures currently utilized for treatment of OSA after T&A

2:30-3:30 p.m.

Nasal pathology- Evaluation, Diagnosis, Treatment (Advanced Track)

Armon Jadidian, MD

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

- Identify history and physical findings indicative of nasal pathology
- Formulate a plan for the evaluation, diagnosis and treatment of a nasal mass
- Identify the appropriate imaging and laboratory studies needed to diagnose the etiology of a nasal mass

3:30-4 p.m.

Break & Exhibit Hall Open

4-5 p.m.

Evaluation and Management of the Hoarse Patient (Primary Track)

Jeffrey J. Lehman, MD, FACS

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

- Recognize pertinent history and perform indicated examination of the patient with complaints of hoarseness.
- Order and document results of appropriate diagnostic tests to evaluate hoarseness.
- Describe available modalities to treat hoarseness.

4-5 p.m.

**Adult Sleep Apnea/Oral Appliances/CPAP
(Advanced Track)**

Stacey Ishman, MD

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

- Characterize the typical presentation & epidemiology of adults with OSA
- Determine what evaluation & treatment is available for adults with OSA
- Identify the role of non-surgical therapies for OSA including oral appliances

5-6 p.m.

**Normal vs. Abnormal Findings on
Laryngoscopy (Primary Track)**

Jeffrey J. Lehman, MD, FACS

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

- Maximize diagnostic yield by understanding best technique for laryngoscopy
- Identify normal anatomy, and variants of normal anatomy, visualized in laryngoscopy
- Identify abnormal findings visualized in laryngoscopy

5-6 p.m.

**Coding and Billing Update (Advanced
Track – SA CME)**

This Self-Assessment CME program has been reviewed and is approved for a maximum of 1.00 AAPA Category 1 Self-Assessment CME credits by the Physician Assistant Review Panel. Approval is valid for one year from the release date of 04/01/2016. Physician Assistants should claim only the credit commensurate with the extent of their participation in the activity. This program was planned in accordance with AAPA's CME Standards.

Marie Gilbert, PA-C, DFAAPA

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

- Comprehend the Basics of Evaluation and Management (E&M) coding and documentation
- Implement proper coding and documentation for a PA assisting in the operating room.
- Apply proper coding and documentation of ENT office procedures

6:30 – 8 p.m.

**Reception in Cabana Deck & Tesoro
Commons A**

Saturday, April 2

6:30-7:30 a.m.

Registration

- Breakfast at product theater, or on your own.

7:30 – 8:30 a.m.

Performing a Thorough Head & Neck Exam (General Session)

Jose Mercado, PA-C

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

- Identify proper equipment needed for examination.
- Describe how to perform exam in an efficient and thorough manner.
- Recognize normal anatomy and normal variants.

8:30 – 9:30 a.m.

Allergic vs. Non-Allergic Rhinitis (Primary Track)

Roberta Gray, PA-C

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

- Identify history of allergic compared to non-allergic sinus disease
- Recognize clinical and laboratory findings that help sort out the differential diagnosis.
- Explain current guidelines for treatment of allergic vs. non-allergic rhinitis.

8:30 – 9:30 a.m.

Surgical treatment of OSA (Advanced Track)

Jeffrey M. Phillips, MD

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

- Identify and discuss both medical and surgical treatment options for adult patients with obstructive sleep apnea.
- Understand clinical factors that help to determine patient candidacy for particular treatment options for sleep apnea.
- Discuss sedated endoscopy (i.e.: diagnostic sleep endoscopy or DISE) and visual assessment of the upper airway to assist in evaluation
- Understand the importance in establishing shared surgical goals between the patient and physician prior to proceeding with surgical options

9:30 – 10:00 a.m.

Break & Exhibit Hall Open in Grand Foyer

10:00-11:00 a.m.

Antibiotic Stewardship (Primary Track)

Dr. Shah

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

- Recognize indications and appropriate use of antibiotics in acute and recurrent acute otitis media, acute and chronic sinusitis, and pharyngitis / tonsillitis.
- Identify pathogens associated with these illnesses, and those most likely to exhibit resistance to standard treatment.

- Develop an approach for treatment of resistant organisms.

10:00 – 11:00 a.m.

**Radiation Oncology in Head & Neck
Cancer
(Advanced Track)**

Nikhil Gadahad Rao, MD

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

- Identify the appropriate imaging studies for neck masses
- Recognize the role of radiation oncology in the management of head and neck cancer
- Explain the role of post-treatment imaging after cancer therapy

11:00 a.m.-12:00 p.m.

**Pediatric ENT for the Generalist
(Primary Track)**

Dr. Catherine Hart

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

- Identify at least three common pediatric conditions encountered and managed by otolaryngologists.
- Initiate the evaluation and management of common pediatric otolaryngologic conditions.
- Describe indications for tympanostomy tube placement and adenotonsillectomy in children.

11:00 a.m.-12:00 p.m.

**H&N CA: Management of Post-Op
Complications and Treatment Side Effects
(Advanced Track)**

Debra S. Munsell, DHSc, PA-C, DFAAPA

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

- Identify the most common head and neck surgical procedures and their complications/side effects
- Identify the most common treatments for head and neck infections, trauma and malignancies and their complications/side effect
- Apply the current methods of treatment of post-operative complications/side effects
- Apply the current methods of treatment for head and neck infections, trauma and malignancies and their complications/side effects

12:00-1:30 p.m.

Lunch & Lecture “Ask the Experts”

- Bring your questions for discussion by our panel

1:30-2:30 p.m.

**Epistaxis Evaluation and Management
(Primary Track)**

Jeffrey S. Fichera, MS, PA-C, DFAAPA

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

- Collect the appropriate history and perform the appropriate physical exam for the patient with a nosebleed.
- Take effective action in stopping epistaxis and working up the patient for clotting disorders when appropriate.

- Instruct patient on subsequent care, restrictions, and follow up to limit further epistaxis episodes.

1:30-2:30 p.m.

**Pediatric Airway : Stridor in Children
(Advanced Track)**

Dr. Catherine Hart

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

- Identify the most common causes of stridor in infants and children.
- Distinguish symptoms of laryngomalacia from other conditions that cause stridor in infants and children.
- Describe the initial evaluation and management of a child with stridor.

2:30 p.m.

Afternoon Off

Sunday, April 3

6:30-7:30 a.m.

**SPAO-HNS Members' Meeting and
Breakfast in Ponce De Leon I – II (1 & 2)**

7-8 a.m.

**Registration and Continental Breakfast
in Ponce De Leon Foyer**

8-9 a.m.

**Tinnitus Evaluation and Management
(General Session)**

John Li, MD

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

- Describe current theories on peripheral auditory damage vs. central changes that contribute to Tinnitus.
- Utilize appropriate evaluation & diagnostic testing for Pulsatile Tinnitus.
- Describe the pros & cons of holistic vs. medication vs. device treatment options for Tinnitus.

9-10 a.m.

**Abnormal Audiograms in Ear Pathology
(General Session SA-CME)**

This Self-Assessment CME program has been reviewed and is approved for a maximum of 1.00 AAPA Category 1 Self-Assessment CME credits by the Physician Assistant Review Panel. Approval is valid for one year from the release date of 04/03/2016. Physician Assistants should claim only the credit commensurate with the extent of their participation in the activity. This program was planned in accordance with AAPA's CME Standards.

Lori C. Klingenberg, Au.D., CCC-A

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

- Properly interpret all aspects of a standard air and bone conduction audiogram to effectively differentiate between sensorineural, conductive, and mixed hearing loss.
- Recognize the audiometric presentations of common and less common ear pathologies that present with hearing loss.
- Identify key patterns of hearing loss to help formulate a narrow differential diagnosis.
- Explain the third window phenomenon and identify its audiometric appearance.
- Identify audiometric findings that suggest non-organic hearing loss.

10 – 11:30 a.m.

**Brunch and Lecture Session
Canal Lith Repositioning/BPPV
(General Session)**

John Li, MD

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

- Describe the mechanics of the vestibular system & the role of otoliths in normal function vs. BPPV.
- Identify which semicircular canal is the source of the patient's vertigo
- Determine which home exercise is most appropriate for your patient.

**11:30 a.m.-12:00 p.m. Vestibular Migraine
(General Session)**

John Li, MD

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

- Explain the pathophysiology of Vestibular Migraine.
- Discuss controversies in current thought on Vestibular Migraine.
- Implement appropriate diagnostic tests for Vestibular Migraine.

**12:30 p.m.-1:30 p.m. Current management of Laryngeal CA
(General Session)**

Brian C. Spector, MD, FACS

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

- Differentiate the stages of laryngeal cancer
- Identify the most appropriate method of treatment for the individual diagnosed with laryngeal cancer
- Discuss the current treatment options by stage for laryngeal cancer

1:30-2:30 p.m. Chronic Cough (General Session)

Cecelia Damask, DO

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

- Explain the broad differential diagnosis of chronic cough
- Describe the top causes of chronic cough in adults
- Initiate the proper diagnostic workup of chronic cough

**2:30 p.m. Fundraiser Drawing & Closing Meeting
(General Session)**

Speakers

Cecelia Damask, DO

Dr. Cecelia Damask is a board certified otolaryngologist. She is a fellow of the American Osteopathic College of Otolaryngology - Head & Neck Surgery, as well as a fellow of the American Academy of Otolaryngic Allergy. She specializes in disorders of the ears, nose and throat. She helps adults and children manage medical problems of the ears, nose, sinuses, throat, neck and voice box.

Dr. Damask has extensive training in the treatment of allergies and specializes in environmental (inhalant) and food allergies.

Dr. Cecelia Damask is a native of Chicago. She earned her bachelor's degree from Northwestern University and her Medical degree from Midwestern University. She completed her residency at Ohio University. She has been appointed to serve as a national member of the Allergy & Immunology Committee of the American Academy of Otolaryngology. She also has been selected to serve as an oral examiner for the fellow exam for the American Academy of Otolaryngic Allergy. Dr. Damask has also been chosen to lecture on various allergy topics at the national meeting of the American Academy of Otolaryngology.

Jeffrey S. Fichera, MS, PA-C, DFAAPA

Jeff Fichera is a PA with the Ear, Nose, and Throat Surgical Associates in Winter Park, Fla., where he has practiced since 1993. He received his PA degree from Alderson Broaddus College in West Virginia. Upon graduation he practiced rural medicine for several years prior to returning back to Florida in pursuit of Otolaryngology as a specialty. He is an adjunct instructor at the University of Central Florida since 2005 where he is an instructor of head and neck anatomy and physiology. His PhD is in Epidemiology.

Mr. Fichera practices with a large 10 physician ENT group where he practices general otolaryngology and head and neck surgery with a special interest in Trans Oral Robotic Surgery (TORS) as well as otitis media in children. In 2012 he was invited by the AAPA to represent PAs as a panel member with the AAO-HNSF developing the 2013 AAO-HNS Guidelines for Tympanostomy Tubes in Children, accepted for publication and presented at the 2013 annual AAO-HNS meeting.

The Co-Directors of this conference would like to thank Mr. Fichera for arranging the host group, The Ear, Nose, and Throat Surgical Associates in Winter Park, Fla, and all his work to bring this meeting to Orlando and the Nicholson Center.

Marie Gilbert, PA-C, DFAAPA

Marie Gilbert has been a PA for 36 years, all but two spent in Otolaryngology. She has worked in private practice as a PA and an office administrator, and is now semi-retired. She has been a preceptor, and

continues as a lecturer for PAs. She is in the process of becoming a Certified Professional Medical Auditor.

Mrs. Gilbert has been a SPAO member since its inception. She is currently fulfilling her last term as SPAO's and AAPA's Liaison to AAO-HNSF, and has served on AAO-HNSF General Otolaryngology Education Committee and Physician Resource Committee. She is Medical Co-Director of this conference.

Roberta Gray, PA-C

Roberta has been practicing as a PA for 14 years. Over the last seven years she has been at University of Colorado Hospital as a faculty member where she practices with the Rhinology team at the CU Sinus Center and Center for Lungs and Breathing. The focus of her practice is narrowed to the specialty of Rhinology. She also works at Saint Joseph Hospital in Denver through the University where she provides in-patient rhinology care for patients with Cystic Fibrosis.

At the University she is involved in PA, NP, Medical Student, and Resident education. She is currently in a program to earn her teaching certificate.

Previous to CU she worked in private practice Allergy and Immunology where she ran the allergy immunotherapy program and provided specialized allergy/asthma care.

Dr. Catherine Hart

Catherine is the newest addition to the faculty at Cincinnati Children's. She has specialized training in pediatric airway reconstruction through her fellowship at Cincinnati Children's Hospital Medical Center under the guidance of Dr. Robin Cotton. She is pursuing additional training in quality improvement and outcomes research through the Quality Scholars Program at the James M. Anderson Center for Health Systems Excellence. Her research focus is on improving electronic data management to facilitate effective outcomes research and to improve healthcare delivery and outcomes for pediatric airway patients.

Henry N. Ho, MD, FACS

Dr. Henry N. Ho serves as President of The Ear, Nose, Throat and Plastic Surgery Associates as well as the Medical Director of the Head and Neck Program at the Florida Hospital Cancer Institute. His practice focuses on all phases of otolaryngology as well as head and neck tumors, sleep apnea, robotic and endoscopic sinus surgeries.

He also serves as Assisting Consulting Professor of Surgery with Duke University and Clinical Associate Professor at the Florida State University College of Medicine. He is also a Clinical Associate Professor of Otolaryngology at the UCF College of Medicine. Throughout the course of his career, Dr. Ho has held 10 teaching positions total including his alma mater, the University of Michigan.

In 2010, Dr. Ho was named the Florida Otolaryngologist of the Year by the Network of Florida Otolaryngologists. He was recognized with the Florida Hospital Integrity Award in 2009 and was also honored on "The Best Doctor in America" list from 1996-2011. He has repeatedly been named one of "The Best 70 Doctors in Central Florida" since 2000. Dr. Ho has served in numerous leadership positions, committees and boards in addition to being involved in various research projects.

He is board certified by the American Board of Otolaryngology- Head and Neck Surgery and is a fellow of the American Academy of Otolaryngology – Head and Neck Surgery, the American College of Surgeons and the American Head and Neck Society. Dr. Ho is a member of the American Medical Association, the Florida Society of Otolaryngology – Head & Neck Surgery and the Orange County Medical Society.

Stacey Ishman, MD

Stacey Ishman, MD, MPH is Surgical Director of the Upper Airway Center at the Cincinnati Children's Hospital Medical Center and associate professor with the Divisions of Otolaryngology—Head and Neck Surgery and Pulmonary Medicine. She is also the Director of Otolaryngology Outcomes Research at Cincinnati Children's Hospital Medical Center and Residency Research Director for the Department of Otolaryngology - Head and Neck Surgery at the University of Cincinnati. She earned her medical degree from Rush Medical College and completed a residency in Otolaryngology at the Medical College of Wisconsin. Dr. Ishman then completed a fellowship in pediatric otolaryngology at Johns Hopkins and underwent advanced sleep training after she was a member of the faculty from 2005 through 2013. She served as the Director for the Center for Snoring and Sleep Apnea there. She obtained her MPH from the Johns Hopkins Bloomberg School of Public Health, is board certified in Otolaryngology – Head and Neck Surgery and Sleep Medicine. She moved to Cincinnati Children's Hospital Medical Center in and currently serves as the Surgical Director of the Upper Airway Center and is focused on treating children with persistent pediatric sleep apnea and adults with obstructive sleep apnea. Her research is centered on outcomes in adults and children after treatment for OSA. She also serves as the Chair-Elect for the Board of Governors and on the Executive Committee of the Board of Directors of the American Academy of Otolaryngology – Head and Neck Surgery. In addition, she is the Annual Meeting Program Chair for the American Society of Pediatric Otolaryngology and Vice-President of the International Surgical Sleep Society.

SPAO-HNS would like to thank Dr. Ishman for all her support and work as Medical Co-Director of this conference.

Armon Jadidian, MD

Dr. Armon Jadidian joined The Ear, Nose, Throat and Plastic Surgery Associates in 2015. In addition to the full spectrum of general ENT services, Dr. Jadidian has a special interest in sinus and skull base surgery including difficult, revision sinus cases. He spent an additional year of specialized

fellowship training with nationally-renowned Rhinologist, Dr. Frederick A. Kuhn, M.D., in Savannah, Georgia. He currently serves as a member of the American Rhinologic Society and the American Academy of Otolaryngology. Throughout his career, he has been involved in various research projects with numerous publications and presentations around the country to his credit.

Lori C. Klingenberg, Au.D., CCC-A

Lori C. Klingenberg, Au.D., CCC-A, has served as an audiologist with The Ear, Nose, Throat and Plastic Surgery Associates since 1999. Her experience includes hearing assessments for patients of all ages, vestibular assessments, and evaluation and management of patients with hearing devices.

She holds state licensure as well as a Certificate of Clinical Competence (CCC-A) from the American Speech-Language-Hearing Association (ASHA) of which she is a member. She is also a member of the American Academy of Audiology.

Jeffrey J. Lehman, MD, FACS

Dr. Jeffrey J. Lehman serves as the Medical Director of The Voice Care Center at The Ear, Nose, Throat and Plastic Surgery Associates. His practice focuses on adult and pediatric otolaryngology and professional voice care as well as head and neck, sleep apnea, robotic and endoscopic sinus surgeries.

Throughout his career he has held several notable administrative appointments. From 1992-1993, 2002-2004 and 2008-2011 he served as the Chairman of the Otolaryngology Department for Florida Hospital. From 1996-1997, he was appointed the Chairman of the Otolaryngology Section of Winter Park Memorial Hospital and in 1998, he was on the Board of Directors at Celebration Health. In 2010-2011, he served as Chairman of Surgical Service Line Peer Review for Florida Hospital. Dr. Lehman was recently elected to be the Secretary/Treasurer of the Florida Hospital Medical Staff.

Over the course of his career he has won various awards, including being consistently named on "The Best Doctor in America" list, most recently 2009-2011. Throughout his career he has been involved in various research projects with numerous publications and presentations around the country to his credit. Dr. Lehman currently serves as a clinical professor for the University of Central Florida (UCF) College of Health and Public Affairs and an associate clinical professor for both the UCF Medical School and the Florida State University College of Medicine.

He is board certified by the American Board of Otolaryngology and a fellow of the American Academy of Otolaryngology – Head and Neck Surgery, the American College of Surgeons and the Florida Society of Otolaryngology; he is a member of Alpha Omega Alpha Honor Medical Society.

Vicki Lewis, M.A., CCC-SLP

Vicki Lewis joined The Voice Care Center at The Ear, Nose, Throat and Plastic Surgery Associates in 2009 and focuses on assessment and management of voice and swallowing disorders in children and adults. She provides patient care for individuals with varied medical conditions including head and neck cancer.

Throughout her career she has been involved in research and teaching with numerous publications and presentations around the country. She currently serves as an adjunct instructor at the University of Central Florida in the Department of Communication Sciences and Disorders.

Vicki is a member of the American Speech-Language-Hearing Association (ASHA) and the Florida Association of Speech-Language Pathologists and Audiologists (FLASHA). She is the recipient of ASHA's Award for Continuing Education (ACE).

John Li, MD

Dr. Li joined Ear, Nose and Throat Associates of South Florida in 2013 after being in private practice in South Florida since 1993. Dr. Li received his medical degree from Jefferson Medical College in Philadelphia, and completed his general surgery residency at Pennsylvania Hospital in Philadelphia and his Otolaryngology - Head and Neck Surgery residency at Loyola University Medical Center and Hines Veterans Administration Hospital in Maywood, Ill.

Dr. Li is Board Certified by the American Board of Otolaryngology and is active in the American Academy of Otolaryngology – Head and Neck Surgery, and a Fellow of the American College of Surgeons, and the American Board of Otolaryngology. Dr. Li is quite active in the academic side of otology and neurotology. He has authored or coauthored several chapters in ENT textbooks and over 10 manuscripts in the medical literature. Dr. Li is an instructor at the American Academy of Otolaryngology Scientific Courses and the ICOT International Center for Otologic Training

Jose Mercado, MMS, PA-C

José C. Mercado is a PA with Dr. Scott Goldberg and South Florida ENT Associates in Miami, Fla., since 2001. After serving in the U.S. Army as a medical specialist and flight medic for eight years, he went on to complete the PA Program at Miami-Dade College's Medical Center (MDC) and earned a Master of Medical Science degree from Nova Southeastern University (NSU). In addition to his training in family medicine, he completed an internship in Adult ENT/Head & Neck Surgery at the Veterans Affairs Medical Center in Miami, as well as a Preceptorship in Pediatric ENT at Miami Children's Hospital. Currently, he serves as an Adjunct Associate Professor and Clinical Preceptor in Miami-Dade College's Physician Assistant Program, and at Barry University School of Graduate Medical Sciences, Physician Assistant Program. He is a guest Lecturer at Nova Southeastern University's Physician Assistant Program. He

is a Fellow of SPAO-HNS and a Past-President. He is on the Speaker's Panel for Daiichi Sankyo Pharmaceuticals and Alcon Laboratories. His special interests include sleep medicine and PA education.

SPAO-HNS would like to thank Mr. Mercado for his tireless dedication and time devoted to this conference as its Workshops Director.

Debra S. Munsell, DHSc, PA-C, DFAAPA

Professor. Munsell is an Associate Professor and the Inaugural Program Director of the Louisiana State University Health Sciences Center - New Orleans Physician Assistant Program. She has over 30 years' experience as a clinically practicing PA.

She practiced as a member of the Department of Head and Neck Surgical Oncology at the University of Texas M.D. Anderson Cancer Center for many years, as well as clinically practicing in the Department of Otorhinolaryngology at the University of Texas Medical Branch-Galveston. She received her doctoral degree in Health Care Science in Health Policy in 2009. She is a founding member of the Society of Physician Assistants in Otorhinolaryngology-Head and Neck Surgery, Past President and Board Member. She has served the AAPA and the PAEA in several roles and continues to serve in local and state PA organizations. She has been appointed to the Clinical Guidelines Committee of AAO-HNSF.

Aftab H. Patni, MD, FACS

Dr. Aftab H. Patni joined The Ear, Nose, Throat and Plastic Surgery Associates in 2004 and focuses on otology, neurotology and skull base surgery.

He currently serves as the Medical Director of the Vestibular Rehabilitation Center at Florida Hospital in addition to his teaching positions as a Clinical Assistant Professor of Clinical Sciences for the Florida State University College of Medicine and as an Assistant Professor of Otolaryngology for the University of Central Florida College of Medicine. Throughout his career he has been involved in various research projects with numerous publications and presentations around the country to his credit.

He is board certified in Neurotology and Otolaryngology by the American Board of Otolaryngology and is a member of the Alpha Omega Alpha, the American Academy of Otolaryngology – Head and Neck Surgery, the American College of Surgeons and the American Neurotology Society.

Jeffrey M. Phillips, MD

Dr. Jeffrey M. Phillips joined The Ear, Nose, Throat and Plastic Surgery Associates in 2014. His practice focuses on Sleep Surgery and Medicine as well as Head and Neck Surgery.

He currently serves as a member of several professional organizations including The American Academy of Otolaryngology-Head and Neck Surgery, American Academy of Sleep Medicine, American College of Surgeons and The American Medical Association. Throughout his career,

he has been involved in various research projects with numerous publications and presentations around the country to his credit.

Nikhil Gadahad Rao, MD

Dr. Rao is a board-certified radiation oncologist, specializing in treating head and neck cancer, brain tumors and metastases, melanomas and various rare skin cancers through advanced radiation therapy and radiosurgery techniques. He earned his medical degree from the University of Virginia School of Medicine in Charlottesville, completed an internal medicine internship at Washington Hospital Center, Georgetown University, in D.C., and completed residency in radiation oncology at the University of Texas Medical Branch in Galveston where he served as chief resident. Prior to joining Radiation Oncology Specialists, Dr. Rao served as Service Chief, Head & Neck/Cutaneous Service and worked in the Neuro-oncology service in the department of Radiation Oncology at Moffitt Cancer Center in Tampa. His academic titles there included Associate Member, Moffitt Cancer Center, and Associate Professor, University of South Florida School of Medicine.

Throughout his career, Dr. Rao has been recognized nationally and internationally for providing exemplary care to patients in both practice and through the extensive research he has published, including dozens of peer-reviewed articles in prestigious medical journals such as *Cancer*. In addition, he has conducted several clinical trials to identify innovative ways of providing effective radiation therapy and improving treatment outcomes. As an educator, he has provided clinical supervision to medical students, trained residents and fellows in radiation oncology. He has also given talks at national symposiums on advances in radiotherapy; delivered many scientific abstracts and poster presentations; as well as participated in community lectures on the human papillomavirus and skin cancer prevention.

Dr. Rao maintains active memberships in the American Society for Therapeutic Radiology & Oncology, and the American Radium Society.

Bari Hoffman Ruddy, PhD, CCC-SLP

Dr. Bari Hoffman Ruddy serves as Director of The Voice Care Center at The Ear, Nose, Throat and Plastic Surgery Associates. She has been with the practice since 1998 and primarily works with adult and pediatric patients with voice and upper airway difficulties. She specializes in vocal health issues in professional voice users prior to- and after vocal injury as well as the behavioral therapeutic treatment of neurogenic and upper airway disorders.

In her current role she performs key Speech Pathologist duties which include providing instrumental voice and swallowing assessments, recommending treatment and educating patients, families and staff on various speech and swallowing issues as needed.

Dr. Ruddy is also an Associate Professor at the University of Central Florida Department of Communication Sciences and Disorders. Throughout her

career she has maintained an active clinical research laboratory with numerous publications and presentations both nationally and internationally to her credit. Dr. Ruddy also serves as a reviewer for several scholarly journals.

She is a member of the American Speech-Language-Hearing Association (ASHA), the Florida Association of Speech Pathology and Audiology (FLASHA) and the Voice Foundation.

Dr. Shah

After completing her Internal Medicine residency at Mountainside Hospital in Montclair, NJ, she joined the Infectious Disease fellowship program at University Hospital (formerly UMDNJ) in Newark, NJ in 2001. As a Chief Fellow, she worked closely with staff and other fellows to improve outcomes in a large non-compliant population.

She started Premier Infectious Disease Care in 2008 in Winter Park, Florida. She has been the Chief of Internal Medicine as well as Secretary/Treasurer for Medical Staff at Winter Park Hospital. Currently, she's on the Patient Safety and Quality Committee as well as overseeing the Antibiotic Stewardship program. Under those roles, she has reduced the cost of antibiotic treatment while improving results. Currently, Winter Park Hospital leads the Florida Hospital system across all antibiotic usage benchmarks including efficacy, cost, and appropriateness.

Brian C. Spector, MD, FACS

Dr. Brian C. Spector joined The Ear, Nose, Throat and Plastic Surgery Associates in 2001 and focuses his practice on adult and pediatric otolaryngology as well as skull-based tumors.

Since 2004, he has served as a Clinical Assistant Professor in the Department of Clinical Sciences at the Florida State University College of Medicine. Throughout his career, he has been involved in various research and teaching roles with numerous publications and presentations around the country to his credit. He has also been consistently named as one of the area's "Top Doctors" by Orlando Magazine.

Dr. Spector is board certified by the American Board of Otolaryngology – Head and Neck Surgery and is a member of the American Academy of Otolaryngology – Head and Neck Surgery and the American College of Surgeons.

Conference Supporters

The ENT for the PA-C Conference would like to extend a special thank you to the following supporters. Their support makes the conference possible.



**AMERICAN ACADEMY OF
OTOLARYNGOLOGY-
HEAD AND NECK SURGERY**

F O U N D A T I O N



The Ear, Nose, Throat
&
Plastic Surgery Associates



**WINTER PARK
MEMORIAL HOSPITAL**

A Florida Hospital

The skill to heal. The spirit to care.®



Aerospan[®]
(fluticasone) inhalation aerosol



DYMISTA[®]
(azelastine hydrochloride and
fluticasone propionate) Nasal Spray
137 mcg/50 mcg per Spray

MEDA

© 2016 Meda Pharmaceuticals Inc. All rights reserved. 1/16 0507H0116/0002a

Now Approved



OTIPRIO[™]
ciprofloxacin otic suspension 6%

Visit our booth
at ENT-PA Conference
to learn more about
OTIPRIO



©2016 Otometry, Inc. All rights reserved.
OTIPRIO is a trademark of Otometry, Inc.
1-0714034

imagine **LANDING YOUR
DREAM
CAREER**



Otolaryngology PA Careers

The Section of Otolaryngology at D-H is seeking a motivated PA with experience or advanced training in Otolaryngology. The PA will be involved in patient care in the outpatient clinic, inpatient setting and operating room. Responsibilities will include providing care and education to patients with various otolaryngologic conditions in coordination with the attending physicians, performing various procedures in the office setting, assisting with surgical procedures, assisting with inpatient and emergency room consultations, and the training of PA residents. This position holds a faculty rank at the level of Instructor through The Geisel School of Medicine. Amenities associated with urban areas in Boston MA, Burlington VT, and Montreal, QC are all within a short drive. Dartmouth-Hitchcock was named by *Becker's Hospital Review* as one of the *Top 150 Best Places to Work in Healthcare*.

To learn more and apply, please visit our careers site at:
DHproviders.org

 **Dartmouth-Hitchcock**

MEDA
PHARMACEUTICALS

OLYMPUS

Optim L
C
A Juno Company



Alcon[®]
a Novartis company

api
anthony products, inc.

 **balanceback**
The Leader in Fall Prevention

 **Boston**
Medical Products

Checkpoint
Surgical

COOK[®]
MEDICAL

 **Dartmouth-Hitchcock**
— A CULTURE OF CARING —


Grace Medical
AN ENTEROPTX[™] COMPANY

JEDMED

MÖDICA

 **OTONOMY**[®]
Targeted Medicines for the Ear

 **OtoSim**
BETTER EAR AND EYE TRAINING. BETTER OUTCOMES

STALLERGENES  GREER
Life beyond allergy

 **smith&nephew**

 **Thieme**

Conference Supporters

The ENT for the PA-C Conference would like to extend a special thank you to the following supporters. Their support makes the conference possible.

American Academy of Otolaryngology/ Head & Neck Surgery Foundation

The AAO-HNS is the world's largest organization representing specialists who treat the ear, nose, throat, and related structures of the head and neck. The Academy represents approximately 12,000 otolaryngologist—head and neck surgeons who diagnose and treat disorders of those areas. The medical disorders treated by our physicians are among the most common that afflict all Americans, young and old. They include chronic ear infection, sinusitis, snoring and sleep apnea, hearing loss, allergies and hay fever, swallowing disorders, nosebleeds, hoarseness, dizziness, and head and neck cancer.

Alcon Laboratories, Inc.

Alcon's vision is to be the most trusted leader in eye care. With the Novartis merger in 2011, we were able to expand our global presence to accelerate access to innovative eye care products and partner with eye care professionals around the world. By serving and working with people worldwide, we are building our reputation, while addressing the growing eye care demands of the future. For more information, please visit www.alcon.com.

American Academy of Otolaryngic Allergy

Celebrating their 75th year of member service, the American Academy of Otolaryngic Allergy (AAOA) represents over 2400 Board-certified otolaryngologists and health care providers. While otolaryngology has several specialty focus areas, AAOA members tend to be general otolaryngologists with a focus on allergy, rhinology, and related inflammatory diseases. AAOA members devote part of their practice to the diagnosis and treatment of allergic disease. The AAOA actively supports its membership through education, research, and advocacy in the care of allergic patients.

BalanceBack

In 2003, a team of world renown designers, engineers and clinician-educators came together with one purpose: to create, design and build the world's best diagnostic tool for concussion, traumatic brain injury (TBI), Central Nervous System (CNS), Vestibular, dizzy and balance disorders. The engineering team and award-winning designers were led by a renowned engineer, with over 25 years' experience working on Air Force projects, including the F14, F15, F16 and Predator. balanceback™ invented proprietary features and technology that is incorporated into the balanceback™ system, such as iFind™, enhanced report writer, proprietary flow charts and advanced technology allowing you to test the

most difficult cases—including ptosis (droopy eyelids). balanceback™ currently develops and markets point-of-care devices for the diagnosis, treatment and management of balance, concussion, traumatic brain injury (TBI), CNS, Vestibular, and Peripheral based disorders which are some of the most common complaints in ambulatory care, accounting for 8 million outpatient visits annually in the United States. (Sloan PD. Dizziness in primary care: Results from the National Ambulatory Medical Care Survey) balanceback™ products are used by clinicians and managed care organizations to optimize patient care and reduce healthcare costs. balanceback™ markets the iVNG system which provides a rapid, accurate and quantitative point-of-care test for patients who present with balance disorders. balanceback™ is used to detect balance disorders at an early stage and to identify the root cause of dizziness to guide treatment. balanceback™ also markets the intuitive therapy system for treating balance disorders, concussions, traumatic brain injury (TBI), orthopedic injuries, joint replacement, vestibular and neurological disorders. balanceback™ has additional diagnostic and therapeutic products in its pipeline. balanceback™ was Designed by Clinicians for Clinicians™. balanceback™ manufacturers all of its equipment and develops its proprietary software exclusively for balanceback™ and its clinician partners. balanceback™ systems are not available through any other vendor or manufacturer.

Boston Medical Products

Founded in 1980 by three physicians - including world-renowned ENT surgeon William W. Montgomery, M.D. - as a way to make Dr. Montgomery's original innovations widely available, Boston Medical Products continues to be driven by his life-long commitment to superior patient care.

From the start, Boston Medical Products has been recognized as an innovator. The Montgomery® T-Tube, originally patented in 1973 and refined over the years, and the current Montgomery® Tracheal Cannula, another of our early innovations, continue to be among our most sought after products for the comfort and freedom it offers patients during long-term tracheostomy care.

Over the years since our beginning, we have expanded our line of products to include; The Montgomery® Thyroplasty Implant System, airway stents, laryngeal stents and keels, salivary bypass tubes, a full line rhinology and otology post-surgical disposables, and tracheostomy care accessories.

Checkpoint Surgical, Inc.

Each year millions of surgeries are performed that carry significant risk of intraoperative nerve injury or require precise nerve exploration and repair. The standard of care across surgical specialties encourages surgeons to actively identify and protect nerves during surgery. At Checkpoint Surgical, our mission is to advance the practice of neuroprotective surgery

by providing surgeons with state-of-the-art technology to safely and cost-effectively help protect and repair nerves intraoperatively.

Dartmouth – Hitchcock Medical Center

Dartmouth-Hitchcock (D-H) is a nonprofit academic health system that serves a patient population of 1.2 million in New England. Anchored by Dartmouth-Hitchcock Medical Center in Lebanon, NH, the system includes the Norris Cotton Cancer Center, one of only 41 Comprehensive Cancer Centers in the nation; the Children's Hospital at Dartmouth-Hitchcock; affiliate hospitals in Keene and New London, NH, and Windsor, VT; and 24 Dartmouth-Hitchcock Clinics that provide ambulatory services across New Hampshire and Vermont. D-H provides access to more than 1,000 primary care doctors and specialists in almost every area of medicine. In partnership with the Audrey and Theodor Geisel School of Medicine at Dartmouth and the White River Junction VA Medical Center in White River Junction, VT, it trains nearly 400 residents and fellows annually, and performs world-class research.

Grace Medical

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.

Greer Labs

Headquartered in London (UK), Stallergenes Greer plc is a global company specializing in the diagnosis and treatment of allergies through the development and commercialization of allergy immunotherapy products and services. Stallergenes Greer plc is the parent company of GREER Laboratories, Inc. (whose registered office is in the U.S.) and Stallergenes S.A.S. (whose registered office is in France).

JEDMED

All of the Employee-Owners of JEDMED want to thank you for your considering our company in your purchasing decision. Since 1978, JEDMED has been committed to providing the absolute highest level of products, services, and customer support possible. As a 100% Employee-Owned company, all employees have a vested interest in your complete satisfaction now and in the future. This is an inherent quality from the person who takes your order all the way to the person who ships it. Our website illustrates a wide range of products from the highest quality German crafted surgical instruments to the latest in endoscopic video technology. Our goal is to provide you with a "one stop shop" by meeting all of your equipment needs. JEDMED's objective is to handle your buying experience both promptly and professionally and to show you that we truly value your business. This is the foundation and the principals our company was founded on.

Once again, thank you for considering JEDMED in your purchasing decision and the Employee-Owners look forward to earning your business.

Meda Pharmaceuticals

Meda is a leading international specialty pharma company with a broad product portfolio and its own sales organizations in almost 60 countries. Including those markets where sales are managed by distributors, Meda's products are sold in more than 120 different countries.

MODICA, A Division of Clearwater Clinical

MODICA is the mobile medical photography division of Clearwater Clinical. Our solutions include CLEARSCOPE, a smartphone endoscope adaptor, and MODICA, the secure iOS companion app and cloud service for capturing, managing, and sharing medical images recorded with the smartphone.

Olympus

Olympus supports the work of healthcare professionals by providing advanced, minimally invasive therapeutic and diagnostic technologies to improve the quality of patient care around the globe. Our company is a pioneer in innovative technologies that enable physicians to peer inside the human body, fight cancers with minimally invasive procedures, and diagnose and treat a broad range of illnesses. Our technologies serve a variety of medical specialties, including gastroenterology, general surgery, pulmonology, bronchoscopy, urology, gynecology, otolaryngology, bariatrics, orthopedics and anesthesiology. While the providers of healthcare are our primary customers, we are always focused on the patients, whose wellbeing is at the core of all we do.

Optim, LLC.

Optim LLC develops, manufactures and supports state-of-the-art endoscopy products and accessories that help medical professionals, law enforcement officers and industrial users work more effectively and efficiently. Our breakthrough, flexible fiberscopes with integrated LED lighting enable customers to bring precision optical capabilities wherever they are needed.

Otonomy, Inc.

Otonomy is a biopharmaceutical company focused on the development and commercialization of innovative therapeutics for diseases and disorders of the ear. Otonomy's proprietary technology is designed to provide sustained exposure of drugs to the ear following a single administration. For additional information please visit www.otonomy.com.

OtoSim, Inc.

OtoSim, Inc. is the leading innovator in otoscopy and ophthalmoscopy simulation and training tools. OtoSim 2™, PneumatoSim™, and OphthoSim™ simulation systems include motion-tracking examination devices, libraries of clinical scenarios, and a series of interactive self-examinations to bridge the training gap between the classroom and the

clinic, enabling trainees to develop skills to excel in the clinical environment.

Clinical studies have shown a doubling in diagnostic accuracy with OtoSim™ simulators offering unparalleled level of interactivity between an instructor and a student for both improved teaching and learning experience.

Smith & Nephew

Smith & Nephew supports healthcare professionals in their daily efforts to improve the lives of their patients. We do this by taking a pioneering approach to the design of our products and services, by striving to secure wide access to our diverse technologies for more customers globally, and by enabling better outcomes for patients and healthcare systems.

Thieme Publishers

Thieme Publishers (www.thieme.com) is an award-winning international medical and science publisher serving health professionals and students for more than 125 years. With offices in Stuttgart, New York, Delhi and Rio de Janeiro, Thieme is recognized worldwide as a leading publisher in many clinical specialties, most notably neurosurgery, otolaryngology, orthopaedic surgery, ophthalmology, radiology, audiology and speech and language pathology.

