

**July 12-14,  
2018**

Fluno Center  
Madison, Wisconsin

**Upper Airway Microbiome**  
*in conjunction with the*

# 15th Biennial Phonosurgery Symposium

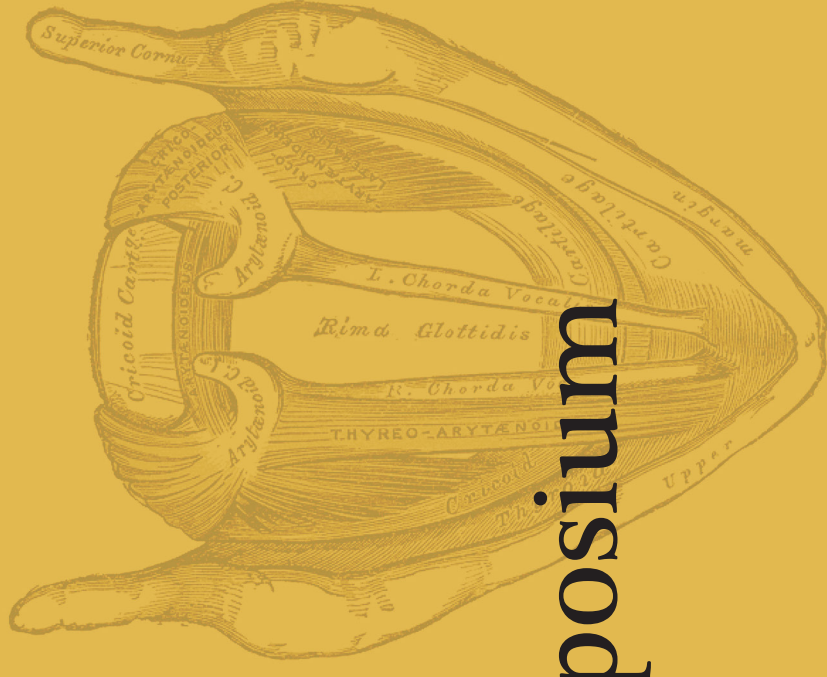
PROVIDED BY

University of Wisconsin School of Medicine and Public Health

Department of Surgery, Division of Otolaryngology - Head & Neck Surgery

University of Wisconsin-Madison Interprofessional Continuing Education Partnership (ICEP)

[www.surgery.wisc.edu/madison\\_voice\\_conference](http://www.surgery.wisc.edu/madison_voice_conference)



# About the Conference

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## Course Highlights

Upper Airway Microbiome: Principles for Mucosal Biology in Health and Disease, July 12, 2018, is a one-day, state-of-the-art science course that will consist of presentations and discussions pertaining to Inflammation, Immunology, Microbiome and Biology. This conference will be held in conjunction with the 15th Biennial Phonosurgery Symposium.

The 15th Biennial Phonosurgery Symposium, July 13-14, 2018, is the only educational event in the region designed for otolaryngologists, speech-language pathologists and voice scientists. This course will provide a pertinent update on modern clinical care and scientific research – basic and applied – of the larynx and voice. Teaching formats include podium lectures, the ever-popular “hands-on” workshops, and live evaluations and procedures.

## Who Should Attend

This symposium is designed to assist practicing voice care professionals – otolaryngologists, speech-language pathologists, voice teachers, voice professionals, and scientists – in incorporating modern diagnostic and therapeutic strategies for voice care. Close interaction with faculty is encouraged throughout all facets of the program to optimize learning.

## Elements of Competence

This CE activity has been designed to change learner competence and focuses on the American Board of Medical Specialties areas of patient care and procedural skills, and medical knowledge.

PLEASE NOTE: Educational credits are available for the Phonosurgery Symposium events on July 13-14. Credits are not available for the Upper Airway Microbiome conference event on July 12.



*The Fluno Center, on the University of Wisconsin-Madison campus, will host Upper Airway Microbiome and the 15th Biennial Phonosurgery Symposium.*



*University Hospital will host on-site, hands-on workshops on Saturday, July 14, the second day of the 15th Biennial Phonosurgery Symposium.*

# Learning Objectives

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## 15th Biennial Phonosurgery Symposium (July 13-14)

### Learning Objectives

At the conclusion of this educational activity, participants should be able to...

- Identify sources of new technologies for laryngology
- Define vocal influences of laryngeal inflammation
- Assess timing of treatment
- Recognize the role of surgery for the treatment of hoarseness
- Select appropriate treatment options – therapy versus surgery for neurological impairments of the voice.
- Compare approaches for surgical treatment of complex neurological voice disorders
- Review application of angiolytic laser therapy for voice disorders

## Accreditation

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### Accreditation Statement

In support of improving patient care, the University of Wisconsin–Madison Interprofessional Continuing Education Partnership (ICEP) is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.



### Credit Designation Statement

The University of Wisconsin–Madison ICEP designates this live activity for a maximum of 14.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Continuing Education Units

The University of Wisconsin–Madison, as a member of the University Professional & Continuing Education Association (UPCEA), authorizes this program for 1.45 continuing education units (CEUs) or 14.5 hours.

### ASHA CEUs

This course is offered for 1.45 ASHA CEUs. This course is offered for 14.5 hours of contact time (Advanced level, Professional area).



### Policy on Faculty and Sponsor Disclosure

It is the policy of the University of Wisconsin–Madison ICEP that the faculty, authors, planners, and other persons who may influence content of this CE activity disclose all relevant financial relationships with commercial interests in order to allow CE staff to identify and resolve any potential conflicts of interest. Faculty must also disclose any planned discussion of unlabeled/unapproved uses of drugs or devices during their presentation(s). Detailed disclosures will be made in the activity handout materials.

# Agenda – Upper Airway Microbiome

Thursday July 12, 2018

PLEASE NOTE: Educational credits are not available for the Upper Airway Microbiome conference event on July 12.

AM *Note: Breakfast held in dining room, registration and conference in Room 221 for AM sessions*

7:00 Registration & Breakfast

7:55 Welcome – Susan Thibeault, PhD & Nathan Welham, PhD

**Moderator: Nathan Welham**

**9:00 The Maxine Bennett, MD, Lecture**

## Determinants and Effects of the Sinus Microbiome



Vijay Ramakrishnan, MD, joined the University of Colorado Department of Otolaryngology in 2010 after completing fellowship training in advanced rhinology and skull base surgery at the University of Pennsylvania. He is a board-certified Otolaryngologist and Fellow of the American Rhinologic Society. He serves as Co-Director of the CU Skull Base Program, with clinical expertise including the treatment of nasal obstruction, chronic rhinosinusitis and nasal polyps, complex sino-orbital diseases, CSF leaks and skull base tumors. His research program examines chemosensory detection in the airway with specific regard to the microbiome and mucosal inflammation, with active grants from the NIH and FAMRI.

10:00 Refreshment Break

10:15 The Challenges and Promise of Illumina –Based Sequencing for Studying Microbiomes, Garret Suen, PhD

11:00 Laryngeal & Pharyngeal Microbial Characterization within A Gnotobiotic Murine Model, Susan Thibeault, PhD

11:15 A Comparison of Sampling Methods for Examining the Upper Airway Microbiome, Susan Thibeault, PhD

11:30 Lunch

PM *Note: PM sessions held in auditorium*

**Moderator: Susan Thibeault, PhD**

12:30 Application of a Beneficial Bacterial Biofilm to Prevent Methicillin-Resistant Staphylococcus Aureus Colonization of Tracheostomy Tubes, Mary Sandage & Mark Liles

12:45 Effects of Smoking & Reflux on the Laryngeal Microbiome, Marie Jette, PhD

1:30 Role of the Gut Microbiome in Chronic Inflammatory Conditions, Federico Rey, PhD

2:00 Tracheal Microbiome in Laryngotracheal Stenosis, Alexander Hillel, MD

2:45 Bioactive Injection Materials for Vocal Fold Regeneration to Overcome the Shortcomings of the Current Materials, Seong Keun Kwon

3:00 Increased Expression of Calcium Voltage-Gated Channel Expression in Aging Vocal Fold by Comprehensive Transcriptome Analysis of Next Generation Sequencing, Byungjoo Lee

3:15 Refreshment Break & Exhibits

3:30 Development of a Model to Study Tobacco Product-Induced Chronic Laryngitis, Elizabeth Erickson-DiRenzo

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- 3:45 Proteomic Characterization of Near Primary Vocal Fold Fibroblasts Exposed to Cigarette Smoke Extract, Markus Gugatschka
  - 4:00 Loss of Integrity and Barrier Function of Porcine Vocal Fold Epithelium After Prolonged Phonation, Kieran Paddock
  - 4:15 Molecular and Structural Vocal Fold Changes Following Phonotrauma: Effects of Vibratory Contact, Emily Kimball
  - 4:30 Molecular Characterization of Glucocorticoid Steroid Treatment on Vocal Fold Physiology, Lea Sayce Dphil
  - 4:45 Inhibition of Glutamine Metabolism Attenuates Fibrosis in Iatrogenic Laryngotracheal Stenosis, Kevin Motz
  - 5:00 The Role of Macrophages During Vocal Fold Wound Healing in Mice, Yo Kishimoto
  - 5:15 Relationship between Pro-Fibrotic Signaling and Vitamin D3 in Human Vocal Fold Fibroblasts, Tanja Grossman
  - 5:30 An In-vivo Model of Early-onset Parkinsonian Laryngeal Pathology and Vocalization Deficits, Cynthia Kelm-Nelson
  - 5:45 Implementation of Videostroboscopy in Excised Animal Larynges, Sungchan Shin
  - 6:00 Summary and concluding remarks

## Enjoying Madison, Wisconsin

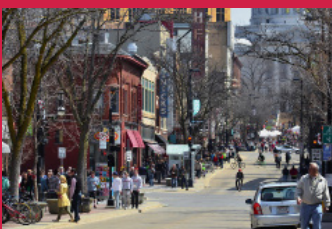


### Explore University of Wisconsin-Madison

Immerse yourself in campus life at lively venues such as Camp Randall, the Memorial Union, and State Street. And you can always find serenity at treasured natural areas, including the Lakeshore Path and Picnic Point.

### Saturday and Sunday - Art Fair on the Square

The annual Art Fair on the Square will take place July 14-15 around Madison's Capitol Square. Nearly 500 artists from around the country will exhibit paintings, prints, sculpture, jewelry, and much more. This event is free to attend.



### Explore over 370 shops and restaurants downtown

This unique shopping, business and entertainment district of downtown Madison is home to more than 370 shops, galleries, restaurants, and night spots, many locally owned, plus museums and cultural destinations. There's something for everyone to enjoy downtown.

# Agenda – Phonosurgery Symposium

## Friday July 13, 2018

*Note: Breakfast held in dining room, registration in atrium and conference in the auditorium*

- 6:00 Registration & Breakfast
- 7:25 Welcome – Timothy McCulloch, MD, FACS

### Neurolaryngology

**Moderator: Seth Dailey, MD**

- 7:30 Neurolaryngology: Yesterday, Today & Tomorrow, Andrew Blitzer, MD, DDS, FACS
- 8:00 Behavioral Strategies for the Neurological Patient, Marie Jette, PhD
- 8:15 Distinguishing Tremor & Dystonia in the Neurological Voice Patient, Julie Barkmeier-Kraemer, PhD, CCC-SLP
- 8:30 Barriers and Solutions for Optimized Botox Delivery, Paul Flint, MD
- 8:45 Refreshment Break & Exhibits
- 9:15 What To Do When the De-Re Goes Wrong, Joel Blumin, MD, FACS
- 9:30 Is There A Role for the SLP in Patients With Paralysis?, Joseph Stemple, PhD, CCC-SLP
- 9:45 Choosing Operations Wisely for UVFP, Marshall Smith, MD, FACS
- 10:00 Revision Laryngoplasty: Pearls & Pitfalls, Sid Khosla, MD
- 10:15 Panel discussion
- 11:15 Lunch & Exhibits *Note: Lunch held in the dining room*

### Phonosurgery

**Moderator: Nathan Welham, PhD, CCC-SLP**

#### 12:15 The John Bascom Lecture

#### Novel Approaches to Common Problems



Henry Hoffman, MD, is a Professor of Otolaryngology at the University of Iowa and Editor of the Iowa Head and Neck Protocols (which is currently receiving 40,000 page visits per month (<https://medicine.uiowa.edu/iowaprotocols/>)). His clinical and research interests are closely aligned in the assessment and management of laryngeal disorders with a focus on minimal access approaches to improve surgical treatment. He has a BA from the University of the South, an MD from the University of California, San Diego, and an MS in Microbiology/Immunology obtained in the course of a Head and Neck Cancer and Reconstructive Surgery Fellowship completed at the University of Michigan.

- 1:00 Best Practice in RRP, Daniel Novakovic, MD
- 1:15 Guidelines for Voice Rest Based on Basic Science Knowledge, Bernard Rousseau, PhD, CCC-SLP
- 1:30 How Models Inform Glottic Surgery, Ted Mau, MD, PhD
- 1:45 Managing the Suboptimal Outcome in Phonomicrosurgery, Gayle Woodson, MD
- 2:00 Working with the Singer/Performer, Thomas Cleveland, MD

- 2:15 Laryngeal Dysplasia: The Good, The Bad & The Ugly, Ichiro Tateya, MD
- 2:30 Laser Wars: A New Force Awakens, Markus Hess, MD
- 2:45 Refreshment Break & Exhibits

## Pediatrics and Aging

**Moderator: David Francis**

- 3:15 Benign Lesion in Children, Christopher Hartnick, MD, MS
- 3:30 Biomechanics: Adults and Children, Jack Jiang, MD, PhD
- 3:45 Working with Pediatric Performer's Voice, Deb Phyland, PhD
- 4:00 Voice Surgery in the Elderly, Gregory Postma, MD
- 4:15 Voice Preservative Airway Management, J. Scott McMurray, MD, FAAP, FACS
- 4:30 Keeping Presbyphonia at Bay, Edie Hapner, PhD
- 4:45 Beginning Adapting Voice Therapy for the Preschool and Early School-aged Child, Maia Braden, MS, CCC-SLP
- 5:00 Panel discussion
- 5:45 Adjourn
- 6:30 Dinner & Dance at Steenbock's on Orchard (please see registration)

## Saturday July 14, 2018

*Note: Breakfast held in dining room, registration in atrium and meet in lobby by 7:15 am for bus pick-up.*

- 6:00 Registration & Breakfast
- 7:15 Bus pick up at Fluno Center to University Hospital for Workshops, 8:00 AM – 1:50 PM  
See Workshops page for session times and bus schedule to and from the Fluno Center.
- 2:15 Refreshment Break & Exhibits

*Note: PM sessions held in auditorium*

## How I Did It vs How I Do It

**Introduction: Charles Ford, MD, FACS**

- 2:45 PVFM: Bringing Breathing Back, Claudio Milstein, PhD
- 3:00 Behavioral Management of Chronic Cough, Cate Madill, PhD
- 3:15 Bring Teflon Back!, Jacqui Allen, FRACS ORL HNS
- 3:30 Better Living Through New Injectables, Andrew Blitzler, MD, DDS, FACS
- 3:45 Counseling Patients on Voice Outcomes After Benign Lesion Removal,  
Guillermo Campos, MD

## Family Feud

**Introduction: David Francis, MD, MS**

- 4:05 Family Feud Panel  
Team Mature: Diane Bless, Paul Flint, Charles Ford, Henry Hoffman, Joesph Stemple, Gayle Woodson  
Team New Age: Jonathan Bock, Alexander Hillel, Nikki Johnston, Cate Madill, Daniel Novakovic, Debra Phyland
- 5:00 Closing

# Workshops

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Participants at the 15th Biennial Phonosurgery Symposium will have the chance to participate in a number of hands-on workshops on Saturday, July 14. Each workshop will be offered multiple times, and each participant can attend up to six different workshops. Online workshop registration is open until June 30.

## Scheduled Times

- 8:05 am – 8:45 am
- 8:55 am – 9:35 am
- 9:45 am – 10:25 am
- 10:35 am – 11:15 am
- Lunch: 11:15 am – 11:45 am
- 11:55 am – 12:35 pm
- 12:45 pm – 1:25 pm

## Bus Schedule

- 7:15 am Bus pickup at Fluno Center to University Hospital
- 1:50 pm Bus pickup at University Hospital (Clinics Entrance) to Fluno Center

## Selected Workshops

Arytenoid Adduction & Abduction	Management of Zenkers Diverticulum
Balloon Dilation for the Airway	Pediatric Voice Assessment
Commercial Voice Rehabilitation from an Exercise Science Perspective	Pharyngoesophageal Manometry: Techniques and Uses
Decision Making in Unilateral Vocal Fold Paralysis	Phonemicsurgery
Gender Expansive Voice Therapy	Raspberries and Straws and Tubes, Oh My!
Getting a Head on Voice: Voice Disorders of Neurological Origin	Solutions to the Five Most Common Problems of Commercial Singers
Incorporating Motor Learning Principles into PVFMD Therapy	Stroboscopy: Basic Principles and Practical Guidance
Injection Laryngoplasty: How to Do It	Surgical Techniques and Management of Pediatric Voice and Airway Disorders
Live Workshop: TNE	The UW Model for Speech and Swallowing Following Tracheostomy
Live Workshop: Transoral Vocal Cord Injection	Voice Care for Young Singers and Performers

*\*\*Workshops are subject to change*

# Faculty

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## University of Wisconsin Faculty

Diane Bless, PhD, CCC-SLP \*\*

Maia Braden, MS, CCC-SLP

Nadine Connor, PhD, CCC-SLP

Seth Dailey, MD \*\*

Emerald Doll, MS, CCC-SLP

Charles Ford, MD, FACS \*\*

David Francis, MD, MS\*\*

Jesse Hoffmeister, MS, CCC-SLP

Jack Jiang, MD, PhD

Molly Knigge, MS, CCC-SLP, BCS-S

Stevie Marvin, MS, CCC-SLP

Jamie Mayer, MS, CCC-SLP

Timothy McCulloch, MD, FACS \*\*

J. Scott McMurray, MD, FAAP, FACS

Bryn Olson-Greb, MS, CCC-SLP

Kevin Pasternak, MS, CCC-SLP\*\*

Susan Thibeault, PhD, CCC-SLP \*\*

Carol Tolejano, MA, CCC-SLP

Nathan Welham, PhD, CCC-SLP \*\*

*\*\* Planning Committee members*



## Visiting Faculty

Jacqueline Allen, FRACS ORL HNS  
*University of Auckland, New Zealand*

Julie Barkmeier-Kraemer, PhD, CCC-SLP  
*University of Utah*

Christopher Bingcang, MD  
*University of Nebraska-Omaha*

Andrew Blitzer, MD, DDS, FACS  
*Mount Sinai*

Joel Blumin, MD, FACS  
*Medical College of Wisconsin*

Jonathan Bock, MD  
*Medical College of Wisconsin*

Guillermo Campos, MD  
*Instituto De Laringologia, Columbia*

Thomas Cleveland, PhD  
*Vanderbilt University*

Dale Ekbohm, MD  
*Mayo Clinic*

Paul Flint, MD  
*Oregon Health & Science University*

Edie Hapner, PhD  
*USC Voice Center*

Christopher Hartnick, MD, MS  
*Massachusetts General Hospital for Children*

Markus Hess, MD  
*University Medical Center Hamburg-Eppendorf  
(UKE)*

Alexander Hillel, MD  
*Johns Hopkins University School of Medicine*

Henry Hoffman, MD  
*University of Iowa Hospitals and Clinics*

Marie Jette, PhD, CCC-SLP  
*University of Colorado-Denver*

Nikki Johnston, PhD  
*Medical College of Wisconsin*

Sid Khosla, MD  
*University of Cincinnati School of Medicine*

Ying-Ta Lai, MD  
*Shuang Ho Hospital, Taipei Medical University*

Cate Madill, PhD  
*University of Sydney*

Ted Mau, MD, PhD  
*UT Southwestern*

Claudio Milstein, PhD  
*Cleveland Clinic*

Daniel Novakovic, MD  
*University of Sydney*

Debra Phyland, PhD  
*Voice Medicine Australia*

Gregory Postma, MD  
*Augusta University Health*

Vijay Ramakrishnan, MD  
*University of Colorado*

Bernard Rousseau, PhD, MMHC, CCC-SLP  
*Vanderbilt University*

Mary Sandage, PhD, CCC-SLP  
*Auburn University*

Marshall Smith, MD, FACS  
*University of Utah*

Joseph Stemple, PhD, CCC-SLP  
*University of Kentucky*

Ichiro Tateya, MD  
*Kyoto University*

Yutaka Toya, MD, PhD  
*Kumamoto University, Japan*

Gayle Woodson, MD  
*Drexel University*

Sherri Zelazny, RSLP  
*Surrey Voice Clinic*



# General Information

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July 12-14, 2018 | Fluno Center, 601 University Ave, Madison, Wisconsin, 53715

## Registration Fees

All Attendees - Upper Airway Microbiome ONLY, July 12 - \$200

MD/DO - Upper Airway Microbiome + Phonosurgery & Workshops, July 12-14: \$650

Others - Upper Airway Microbiome + Phonosurgery & Workshops, July 12-14: \$450

Students - Upper Airway Microbiome + Phonosurgery & Workshops, July 12-14: \$250

MD/DO - Phonosurgery & Workshops, July 13-14: \$545

Others - Phonosurgery & Workshops, July 13-14: \$375

Students - Phonosurgery & Workshops, July 13-14: \$225

Optional dinner (Friday, July 13) and dance: \$105.50 (*Dinner is taxable*)

*Entertainment provided by V05, Madison's very own 70's Disco Band!*

Fees include the cost of tuition, materials, continental breakfasts, breaks, lunches, and a nonrefundable processing fee of \$50.

## Housing

A block of sleeping rooms has been reserved at the conference site, the Fluno Center (\$149 per night), in addition to rooms at the DoubleTree (\$149 per night) and Graduate Madison (\$179 per night). Please write, call, or visit the hotel websites to arrange your accommodations. Reference group code PSS when making your reservation at the DoubleTree or Graduate Madison and PHON at the Fluno Center to receive the special room rate, plus tax. The Fluno Center and the DoubleTree will release their rooms on June 11, 2018; Graduate Madison will release rooms on June 7, 2018.

## Four Easy Ways to Register (PREPAYMENT REQUIRED)

Online: [www.ocpd.wisc.edu/CourseCatalog.aspx](http://www.ocpd.wisc.edu/CourseCatalog.aspx) (Sign up for workshops online.)

Mail: Return your completed registration form and payment to address listed on the registration form. (Sign up for workshops at the conference.)

Phone: (608) 262-1397. Call and pay by VISA, MasterCard or American Express. (Sign up for workshops at the conference.)

Fax: (800) 741-7416 (in Madison 265-3163) (Sign up for workshops at the conference.)

## Confirmations

Registrations are confirmed via email. If you do not receive confirmation, call (608) 262-1397.

## Cancellations/Refunds

All cancellations must be received on or before July 6, 2018 in order to receive a refund minus the \$50.00 cancellation fee. **No refunds** will be made for cancellations received after July 6, 2018 – this also applies to no shows.

## Program Changes

Emergency situations occasionally occur and may necessitate topic or speaker changes. The University of Wisconsin–Madison ICEP reserves the right to alter or substitute a topic or speaker without prior notification.

## Syllabus Materials

Participants will receive an electronic copy of syllabus materials via UW Box.

## Conference Attire

Dress is business casual during the conference and Friday dinner.

## For Further Information

Nichole Rauch, Department of Surgery | (608) 263-0121 | [rauch@surgery.wisc.edu](mailto:rauch@surgery.wisc.edu)

# Registration

#4033 ame-phon

## Upper Airway Microbiome, July 12 & 15th Biennial Phonosurgery Symposium, July 13-14

Please complete Steps 1-3 in BLOCK letters.

### Step 1. Participant Information:

Name \_\_\_\_\_

FIRST

MI

LAST

Degree:  MD  DO  PhD  SLP  Other, please specify \_\_\_\_\_

Company Name \_\_\_\_\_

Work Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Daytime Phone \_\_\_\_\_ Email \_\_\_\_\_

Special Needs? \_\_\_\_\_  Vegetarian Meals

### Step 2. Registration Fees (check one, PREPAYMENT REQUIRED):

- All Attendees - Upper Airway Microbiome ONLY, July 12 - \$200
- MD/DO - Upper Airway Microbiome + Phonosurgery & Workshops, July 12-14: \$650
- Others - Upper Airway Microbiome + Phonosurgery & Workshops, July 12-14: \$450
- Students - Upper Airway Microbiome + Phonosurgery & Workshops, July 12-14: \$250
- MD/DO - Phonosurgery & Workshops, July 13-14: \$545
- Others - Phonosurgery & Workshops, July 13-14: \$375
- Students - Phonosurgery & Workshops, July 13-14: \$225
- Optional: Friday Dinner and Dance - Steenbock's on Orchard - \$105.50 (*Dinner is taxable*)  
*Entertainment provided by V05, Madison's very own 70's Disco Band!*

Friday night optional attendee dinner choices. Choose one:

Lemon Thyme Rotisserie Chicken  Porcini Crusted Beef Tenderloin  Fettuccine Primavera

Check enclosed (payable to University of Wisconsin)

Credit Card:  MasterCard  VISA  American Express

Cardholder's Name \_\_\_\_\_

Card Number \_\_\_\_\_ Expiration: \_\_\_\_\_

### Step 3. Send Your Registration Form and Payment To:

CME Specialist, Department 101, 702 Langdon Street, Madison, WI 53706  
or FAX (800) 741-7416 (in Madison FAX 265-3163)

The University of Wisconsin provides equal opportunities in employment and programming, including Title IX requirement.

The University of Wisconsin School of Medicine and Public Health fully complies with the legal requirements of the ADA and the rules and regulations thereof. If any participant in this educational activity is in need of special accommodations, please notify Nichole Rauch at (608) 263-0121 in order to receive service.



## Otolaryngology-Head & Neck Surgery

Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

K4/723 Clinical Science Center

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