



Mayo School of Continuous Professional Development

## **2<sup>nd</sup> Annual Southwest Laryngology Conference: Focus on Dysphagia and Laryngeal Hyper-Responsiveness**

**Mayo Clinic  
Ashton B. Taylor Auditorium  
Scottsdale, Arizona**

**Friday – Saturday  
May 15-16, 2015**

**TNE Workshop (Optional)  
May 17, 2015**  
*(Separate Registration Required)*

**REGISTER NOW!**

**\$75 DISCOUNT FOR EARLY REGISTRATION**

**Visit our website at [ce.mayo.edu](http://ce.mayo.edu) (Keyword Search: Laryngology)**

#### **Course Directors**

David G. Lott, MD; Lisa R. Crujido, MS, CCC-SLP; Christina H. Kang, MM, MS, CCC-SLP;  
Rosemary A. Lester, PhD, CCC-SLP; and Jaime L. Matthaeus, MPAS, PA-C

#### **Guest Faculty**

Ianessa A. Humbert, PhD, CCC-SLP; Susan E. Langmore, PhD, CCC-SLP, BCS-S;  
Albert L. Merati, MD; Claudio F. Milstein, PhD, CCC-SLP; Thomas Murry, PhD, CCC-SLP;  
and Gregory N. Postma, MD

#### **Mayo Clinic Faculty**

Virginia F. Chapa, MS, CCC-SLP; Dale C. Ekbohm, MD; Richard E. Hayden, MD; Michael L. Hinni, MD;  
Thomas H. Nagel, MD; Diana M. Orbelo, PhD, CCC-SLP; Samir H. Patel, MD; Rebecca L. Pittelko, MS, CCC-SLP;  
Francisco C. Ramirez, MD; Matthew A. Rank, MD; Mark A. Ross, MD; and Lewis J. Wesselius, MD

**WEBCAST PARTICIPATION AVAILABLE!**

# General Information

## COURSE DESCRIPTION/ HIGHLIGHTS

This conference will provide a state-of-the-art discussion on comprehensive evaluation and management of dysphagia related to head and neck cancer and neurological disorders, as well as a thorough assessment of laryngeal hyper-responsiveness, including chronic cough.

We are proud to present a faculty of world-renowned experts in the field of laryngology, dysphagia, and laryngeal hyper-responsiveness from across the country. The course format will include evidence-based lectures, panel discussions with case presentations, and the opportunity to interact with Mayo and Guest faculty members. The program is based on a multidisciplinary team approach, with presentation topics including:

- Physiology of Normal Swallowing
- Skill Acquisition in Volitional Laryngeal Control
- Muscle Tension Dysphagia
- Dysphagia Evaluation and Treatment in Head and Neck Cancer
- Diagnostic Imaging of Swallowing
- Collaborative Management of Chronic Cough
- Paradoxical Vocal Fold Motion
- Neural Control of Swallowing

## INTENDED AUDIENCE

Physicians, Surgeons, Residents, Physician Assistants, Nurse Practitioners and Speech-Language Pathologists; plus specialists are welcome in the areas of Otorhinolaryngology, General Surgery, Internal Medicine, Speech-Language Pathology, Allergy, Gastroenterology, Pulmonology, and Neurology.

## GRANTS AND EXHIBITS

This course is supported in part by educational grants, in accordance with ACCME standards. Appropriate acknowledgment will be given to all supporters at the meeting. Exhibits will be available for viewing at all scheduled breaks.

## COURSE LEARNING OBJECTIVES

Upon completion of this course, participants should be able to:

- Identify common laryngoscopic findings in the diagnosis of laryngeal hypersensitivity.
- Integrate breathing techniques for management of paradoxical vocal fold motion into their therapy services.

- Identify neural structures involved in swallowing and the functions that they control.
- Describe common characteristics of dysphagia that are secondary to neurological disorders.
- Develop a protocol for the assessment and treatment of dysphagia associated with head and neck cancer.
- Identify lymphedema of the face and neck, explain the rationale for manual lymphatic drainage and decompression therapy, and make appropriate referrals for the management of lymphedema.
- Identify the proper role of office-based dysphagia evaluation.
- Differentiate appropriate utilization of therapeutic and surgical management of dysphagia.

## WORKSHOP OBJECTIVES

Upon completion of this course, participants should be able to:


- Identify normal and pathologic change in the esophagus.
- Perform technical aspects of a Trans-Nasal Esophagoscopy.

## CREDIT

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. College of Medicine, Mayo Clinic, designates this live activity for a maximum of 22.0 *AMA PRA Category 1 Credits*<sup>TM</sup> (18.0 for the General Session and 4.0 for an Optional TNE Workshop). Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This program has been accredited by the American Osteopathic Association for 22.0 credits of AOA Category 2-A.

A record of attendance will be provided to all registrants for requesting credits in accordance with state medical boards, specialty societies, or other associations.



**APPROVED PROVIDER**

**ASHA**  
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AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION

The Arizona Speech-Language Hearing Association is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This course is offered for 1.7 ASHA CEUs (Intermediate level, Professional area).

# General Information

## DISCLAIMER

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

## AMERICAN WITH DISABILITIES ACT

Mayo Clinic College of Medicine fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity. Email address: [mca.cme@mayo.edu](mailto:mca.cme@mayo.edu)

**LEISURE ACTIVITIES:** Visit [www.visitphoenix.com](http://www.visitphoenix.com) or [www.scottsdalecvb.com](http://www.scottsdalecvb.com).

## MEETING LOCATION/ ACCOMMODATIONS

**Mayo Clinic Ashton B. Taylor Auditorium** is located at Mayo Clinic's Scottsdale campus at **13400 East Shea Boulevard, Scottsdale, Arizona 85259**

Hotel rooms near the Clinic are limited. You are urged to make reservations early, as rooms are available on a first-come, first-served basis.

**Courtyard Scottsdale at Mayo Clinic • 13444 East Shea Blvd • Scottsdale, Arizona 85259**

King Rooms are available at \$109 per night, plus applicable taxes, for single or double occupancy. Call (800) 321-2211 or (480) 860-4000; on or before the cut-off date of April 14, 2015 and identify yourself as part of the 2015 Mayo Clinic Laryngology Room Block to receive the special rate. Or book your room with Marriott directly [online](#).

*Note: This hotel is walking distance to the meeting location. Area restaurants and other entertainment venues are approximately a 5-7 minute drive from the Clinic. Please rent a car or utilize taxi service if staying at this location.*

Reservations will be taken following the cut-off date based upon resort room availability, at the contracted meeting rate. Attendees are responsible for their own reservations. Standard hotel reservation confirmation and cancellation policies will apply to individual reservations unless otherwise specified.

**TRANSPORTATION: Ground Transportation: Hertz** is offering a reduced daily rate for participants attending the course. Call (800) 654-2240 and refer to CV Number #03NR0010 when making reservations. **Supershuttle** vans offer airport transportation to and from the hotel. To make reservations, call (800) 258-3826 or (602) 244-9000.

## Faculty

### COURSE DIRECTORS

David G. Lott, M.D.

Rosemary A. Lester, Ph.D., CCC-SLP

Lisa R. Crujido, M.S., CCC-SLP

Jaime L. Matthaues, MPAS, PA-C

Christina H. Kang, M.M., M.S., CCC-SLP

### MAYO CLINIC FACULTY

Virginia F. Chapa, M.S., CCC-SLP

Samir H. Patel, M.D.

Dale C. Ekbom, M.D.

Rebecca L. Pittelko, M.S., CCC-SLP

Richard E. Hayden, M.D.

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Thomas H. Nagel, M.D.

Mark A. Ross, M.D.

Diana M. Orbelo, Ph.D., CCC-SLP

Lewis J. Wesselius, M.D.

### DISTINGUISHED GUEST FACULTY

Ianessa A. Humbert, Ph.D., CCC-SLP

Claudio F. Milstein, Ph.D., CCC-SLP

*Johns Hopkins University School of Medicine*

*Cleveland Clinic*

Susan E. Langmore, Ph.D., CCC-SLP, BCS-S

Thomas Murry, Ph.D., CCC-SLP

*Boston University School of Medicine*

*Loma Linda University*

Albert L. Merati, M.D.

Gregory N. Postma, M.D.

*University of Washington*

*Georgia Regents University*

**FACULTY DISCLOSURE:** As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of CPD) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course Director(s), Planning Committee Members, Faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty will also disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials and on the course [website](#) so those participants in the activity may formulate their own judgments regarding the presentation.

**NATIONAL PHYSICIAN PAYMENT TRANSPARENCY PROGRAM:** Mayo Clinic College of Medicine complies with the requirements of the National Physician Payment Transparency Program OPEN PAYMENTS (Physician Payments Sunshine Act).

# Program

## Friday, May 15, 2015

- 7:00 a.m. **Registration and Continental Breakfast**  
7:45 **Introduction of Mayo Clinic's Otorhinolaryngology Department** . . . . . Michael L. Hinni, M.D.
- Moderator:** David G. Lott, M.D.
- 8:00 **Course Orientation** . . . . . David G. Lott, M.D.
- 8:15 **Diagnosing Laryngeal Hyper-Responsiveness** . . . . . Jaime L. Matthaeus, MPAS, PA-C
- 8:45 **Making Sense of Globus and Cough** . . . . . Albert L. Merati, M.D.
- 9:30 **Speech Language Pathologist Evaluation of Chronic Cough** . . . . . Diana M. Orbelo, Ph.D., CCC-SLP
- 9:50 **Refreshment Break**
- 10:05 **Team Collaboration for Treatment of Laryngeal Hyper-Responsiveness** . . . . . Claudio F. Milstein, Ph.D., CCC-SLP
- 10:45 **GAP – Gastroenterology, Allergy and Pulmonology: Chronic Cough** . . . . . Drs. Ramirez, Rank and Wesselius
- 11:45 **Lunch**
- 12:15 p.m. **Laryngeal Hyper-Responsiveness and Chronic Cough from a Multispecialty Perspective**  
**Panel Discussion – Case Presentations**  
**Moderator:** David G. Lott, M.D.  
**Panel:** Drs. Merati, Milstein, Orbelo, Ramirez, Rank and Wesselius and Ms. Matthaeus
- Moderator:** Christina H. Kang, MM, MS, CCC-SLP
- 1:15 **Physiology of Normal Swallowing** . . . . Rosemary A. Lester, Ph.D., CCC-SLP
- 1:45 **Dysphagia in Patients with Neurologic Disorders** . . . . . Mark A. Ross, M.D.
- 2:15 **Characteristics of Neurogenic Dysphagia** . . . Thomas Murry, Ph.D., CCC-SLP
- 2:45 **Muscle Tension Dysphagia** . . . . . Christina H. Kang, MM, MS, CCC-SLP
- 3:15 **Refreshment Break**
- 3:30 **The Laryngologist's Evaluation of Dysphagia** . . . . Gregory N. Postma, M.D.
- 4:00 **Diagnostic Imaging of Swallowing: FEES (Flexible Endoscopic Examination of Swallowing) vs. VFSS (Video Fluoroscopic Swallowing Study)** . . . Lisa Crujido, MS, CCC-SLP
- 4:30 **Skill Acquisition in Volitional Laryngeal Control** . . . . . Ianessa A. Humbert, Ph.D., CCC-SLP
- 5:00 **Panel Discussion – Case Presentation**  
**Moderator:** Christina H. Kang, MM, MS, CCC-SLP  
**Panel:** Drs. Humbert, Lester, Ross, Murry, Postma and Ms. Crujido
- 6:00 **Adjourn**
- 6:00 **Welcome Reception (light fare)**

## Saturday, May 16, 2015

- 7:30 a.m. **Continental Breakfast**
- Moderator:** Rosemary A. Lester, Ph.D., CCC-SLP
- 8:00 **Acute and Latent Dysphagia Sequela in Head & Neck Cancer** . . . . . Lisa R. Crujido, MS, CCC-SLP
- 8:30 **Keynote Speech: The Efficacy of Behavioral Interventions for Dysphagia in Radiated HNC Patients** . . . . . Susan E. Langmore, Ph.D., CCC-SLP, BCS-S
- 9:30 **Penetration and Aspiration: Determining the Source and Probing Immediate Treatment Effects in the Fluoro Suite** . . . . . Ianessa A. Humbert, Ph.D., CCC-SLP
- 10:00 **FEES Demonstration** . . . . . Susan E. Langmore, Ph.D., CCC-SLP, BCS-S
- 10:30 **Refreshment Break**
- 10:45 **TNE in the ENT Setting** . . . . . Gregory N. Postma, M.D.
- 11:15 **Surgical Approach to Dysphagia Management** . . . . . David G. Lott, M.D.
- 11:45 **Rehabilitation of Dysphagia** . . . . . Virginia F. Chapa, MS, CCC-SLP
- 12:15 p.m. **Panel Discussion: Case Study**  
**Moderator:** Rosemary A. Lester, Ph.D., CCC-SLP  
**Panel:** Drs. Humbert, Langmore, Lott, Postma, Ms. Chapa and Ms. Crujido
- 1:00 **Lunch**

# Program

<b>Moderator:</b>	Lisa R. Crujido, MS, CCC-SLP
2:00	<b>Novel Therapeutic Approach for Treatment of Paradoxical Vocal Fold Motion</b> . . . . . Claudio F. Milstein, Ph.D., CCC-SLP
2:45	<b>Paradoxical Vocal Fold Motion: No Big Breaths Please</b> . . . . . Thomas Murry, Ph.D., CCC-SLP
3:15	<b>Botulinum Toxin and the Chronic Cough</b> . . . . . Dale C. Ekbom, M.D.
3:45	<b>Refreshment Break</b>
4:00	<b>Surgical Consideration for Swallowing Preservation &amp; Surgical Recovery</b> . . . . . Thomas H. Nagel, M.D.
4:30	<b>Advanced Reconstruction and Flaps</b> . . . . . Richard E. Hayden, M.D.
5:00	<b>What is Treated During Head and Neck Radiation Therapy?</b> . . . . . Samir H. Patel, M.D.
5:30	<b>Assessment and Treatment of the Dysfunctional Larynx After Radiation</b> . . . . . Albert L. Merati, M.D.
6:00	<b>Panel Discussion: Case Study</b> <b>Moderator:</b> Lisa R. Crujido, MS, CCC-SLP <b>Panel:</b> Drs. Ekbom, Hayden, Merati, Milstein, Murry, Nagel, Patel and Ms. Pittelko
6:30	<b>Adjourn</b>

## Sunday, May 17, 2015

	<b>Transnasal Esophagoscopy Workshop (Optional)</b> <i>Separate Registration Required</i>
8:00 a.m.	<b>Registration and Continental Breakfast</b>
8:25	<b>Welcome</b> . . . . . David G. Lott, M.D.
8:30	<b>Historical Perspective (TNE/EGD)</b> . . . . . Gregory N. Postma, M.D.
9:00	<b>Contemporary Indications for Office-Based TNE</b> . . . . . Gregory N. Postma, M.D.
9:20	<b>Technique of TNE</b> . . . . . Gregory N. Postma, M.D.
9:35	<b>Interpretation of TNE</b> . . . . . Gregory N. Postma, M.D.
10:30	<b>Question &amp; Answer Session</b>
10:45	<b>Refreshment Break</b>
11:00	<b>Office-Based Procedures</b> . . . . . David G. Lott, M.D.
11:30	<b>Hands-On Lab</b> David G. Lott, M.D. and Gregory N. Postma, M.D.
12:45 p.m.	<b>Adjourn</b>

*Program schedule is subject to change without notice.*

# Registration Information

**GENERAL SESSION:** Friday – Saturday, May 15-16, 2015

**TNE WORKSHOP (Optional - Separate Fee):** Sunday, May 17, 2015

Go to [ce.mayo.edu](http://ce.mayo.edu) – Search Laryngology (Offer expires May 1, 2015)

An email confirmation will be sent upon receipt of payment and completed registration. If you do not receive your confirmation, or if you have any questions, please email us at [mca.cme@mayo.edu](mailto:mca.cme@mayo.edu) or call (480) 301-4580.

No refund will be granted unless a written notice of cancellation is received. If registration must be cancelled, tuition less a \$75 administrative fee, will be refunded when notification is received on or before Friday, May 1, 2015 (14 days in advance). No refunds will be made after this date.

*Although it is not Mayo Clinic's policy to limit the number of registrants for a course, conference room facilities may necessitate closure of enrollment. Early registration is strongly recommended. Mayo Clinic will not be responsible for expenses incurred by individuals who are not confirmed for courses with a closed registration status. Costs incurred by the registrant such as airline/ hotel fees or penalties are the responsibility of the registrant.*

<b>GENERAL SESSION</b>	<b>On or Before May 1, 2015</b>	<b>After May 1, 2015</b>
Physicians Active in Practice	\$550	\$625
Other ( <i>resident, retired and allied health</i> )	\$375	\$450
<b>TNE WORKSHOP (Optional – Physicians Only) (Sunday, May 17, 2015)</b>	\$160	\$160
<b>WEBCAST REGISTRATION</b>	\$450	\$450

Your registration fee includes access to an electronic syllabus; a link will be emailed one week prior to the course. This allows you to view, save, or print the syllabus before attending the course. Printed syllabi are no longer available as we continue with our efforts to “go green”.

## WEBCAST OPTION AVAILABLE:

If you are unable to attend the live-course, you may register for the live-stream webcast at: [ce.mayo.edu](http://ce.mayo.edu) (Search Laryngology Webcast)

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Scottsdale, Arizona 85259

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### **Upcoming CME courses:**

#### **Cardiology Update 2015: The Heart of the Matter**

August 6-9, 2015 • Sedona, AZ

#### **Mayo Clinic Headache Symposium**

August 7-9, 2015 • San Francisco, CA

#### **Acute and Chronic Leukemias 2015**

September 12, 2015 • Phoenix, AZ

#### **Ethics Conference**

October 1-2, 2015 • Phoenix, AZ

#### **Mayo Clinic Update in GI-Hepatology**

October 3, 2015 • Phoenix, AZ

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