



**HARVARD  
MEDICAL SCHOOL**  
Department of  
Continuing Education

**MASSACHUSETTS  
GENERAL HOSPITAL**  
Department of  
Surgery



## **Laryngology and Voice Surgery**

**Harvard Club of Boston, MA**  
**SEPTEMBER 24-25, 2010**

### **GUEST OF HONOR**

**Eugene Myers**

### **VISITING LECTURERS**

Michael Benninger, Andrew Blitzer, Robin Cotton,  
Roger Crumley, Alessandro de Alarçon, Marvin Fried,  
Bruce Haughey, Allen Hillel, Anthony Jahn, Robert Langer,  
Bert O'Malley, Robert Ossoff, Marshall Strome, Gayle Woodson

### **HMS FACULTY**

R. Rox Anderson, Hugh Curtin,  
Aaron Friedman, Douglas Mathisen, Marsha Moses,  
John Wain, Andrew Warshaw

### **COURSE DIRECTORS**

Steven Zeitels, James Burns, Robert Hillman

### **Contact**

Melanie Woodworth 617-726-0218, Email: [mwoodworth@partners.org](mailto:mwoodworth@partners.org)



*Support provided in part by*  
Institute of Laryngology and Voice Restoration

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## COURSE DESCRIPTION

The Department of Surgery of the Harvard Medical School and the Massachusetts General Hospital are pleased to present this unique and comprehensive course on Laryngology and Voice Surgery to provide specialized surgeons and general otolaryngologists with a state-of-the-art update. The program features multiple experts in the field covering all facets of laryngology including neurolaryngology, professional voice, phonosurgery, stenosis, laryngeal cancer, pediatric and adult airway reconstruction, and surgical innovations. Presentations will cover basic and advanced aspects of applied laryngeal anatomy and physiology with emphasis on the medical and surgical management of benign and malignant laryngeal disease. Techniques for performing endoscopic phonosurgery, including the use of photoangiolytic lasers and the appropriate use of hand instruments, will be reviewed. In addition, approaches for performing external laryngeal framework surgery, laryngeal and tracheal airway reconstruction, and the use of botox injections will be discussed. Additional topics to be examined are: EMG, spasmodic dysphonia, reinnervation techniques, professional and performing voice, laryngeal transplantation, and surgical innovations such as robotics and novel laryngo-tracheal reconstruction.

Plenary talks will be given by academically accomplished specialists at Harvard as well as experts from other institutions in North America. Learning objectives will be achieved through a combination of didactic lectures, informal case presentations, and question and answer sessions.

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## COURSE OBJECTIVES

**At the conclusion of this course the participant will be able to:**

- Understand the principles of pulsed-angiolytic and cutting/ablative lasers for the treatment of upper aerodigestive tract benign and malignant mucosal disease.
- Manage premalignant glottal epithelium and early cancer by means of a layered microsurgical treatment approach.
- Apply contemporary surgical techniques in the diagnosis and management of laryngeal and tracheal stenosis.
- Understand how the variety of laryngeal framework procedures and injection techniques can be optimally utilized in the management of glottal incompetence.
- Incorporate into their practice a systematic approach to the medical and surgical management of professional vocal performers.
- Understand innovative techniques for preservation and restoration of the pediatric voice during airway reconstruction and treatment of laryngeal disease.
- Understand the role of emerging technology in the management of laryngeal papilloma, cancer, and airway reconstruction.
- Manage an array of neurolaryngologic conditions effectively through an enriched appreciation for the use of EMG, botox, and reinnervation techniques.

# FACULTY

## HMS LECTURERS

### **R. ROX ANDERSON, MD**

Professor of Dermatology  
Harvard Medical School  
Director, Wellman Center for Photomedicine  
Massachusetts General Hospital

### **JAMES A. BURNS, MD**

Assistant Professor  
Department of Surgery  
Harvard Medical School  
Center for Laryngeal Surgery  
& Voice Rehabilitation  
Massachusetts General Hospital

### **HUGH D. CURTIN, MD**

Professor of Radiology  
Harvard Medical School  
Director of Radiology  
Massachusetts Eye & Ear Infirmary

### **AARON D. FRIEDMAN, MD**

Instructor  
Department of Surgery  
Harvard Medical School  
Center for Laryngeal Surgery  
& Voice Rehabilitation  
Massachusetts General Hospital

### **ROBERT E. HILLMAN, PhD, CCC-SLP**

Associate Professor  
Surgery & Health Sciences & Technology  
Harvard Medical School  
Co-Director/Research Director, Center for  
Laryngeal Surgery & Voice Rehabilitation  
Massachusetts General Hospital  
Associate Provost for Research  
MGH Institute of Health Professions

### **DOUGLAS J. MATHISEN, MD**

Hermes C. Grillo Professor of Thoracic  
Surgery  
Department of Surgery  
Harvard Medical School  
Chief, Cardiothoracic Surgery  
Massachusetts General Hospital

### **MARSHA A. MOSES, PhD**

Julia Dyckman Andrus Professor  
Department of Surgery  
Harvard Medical School  
Director, Vascular Biology Program  
Children's Hospital Boston

### **JOHN C. WAIN, MD**

Associate Professor  
Department of Surgery  
Harvard Medical School  
Division of Thoracic Surgery  
Massachusetts General Hospital

### **ANDREW L. WARSHAW, MD**

W. Gerald Austen Professor of Surgery  
Harvard Medical School  
Surgeon-in-Chief & Chairman  
Department of Surgery  
Massachusetts General Hospital

### **STEVEN M. ZEITELS, MD**

Eugene B. Casey Professor of Laryngeal  
Surgery  
Harvard Medical School  
Director, Center for Laryngeal Surgery  
& Voice Rehabilitation  
Massachusetts General Hospital

## VISITING LECTURERS

### **MICHAEL S. BENNINGER, MD**

Chairman, Head & Neck Institute  
The Cleveland Clinic, Professor of Surgery  
The Lerner College of Medicine  
Case Western Reserve University

### **ANDREW M. BLITZER, MD, DDS**

Professor of Clinical Otolaryngology  
Columbia University  
College of Physicians & Surgeons  
Director of the New York Center for  
Voice & Swallowing Disorders  
St. Luke's/ Roosevelt Hospital  
New York Head & Neck Institute

### **ROBIN T. COTTON, MD**

Professor, Otolaryngology, Head & Neck  
Surgery  
University of Cincinnati College of Medicine  
Director, Otolaryngology - Head and Neck  
Surgery  
Cincinnati Children's Hospital Medical Center

### **ROGER L. CRUMLEY, MD, MBA**

Professor & Chair, Emeritus  
Department of Otolaryngology- Head & Neck  
Surgery  
Director, University Voice Center  
University of California, Irvine

### **ALESSANDRO de ALARCON, MD**

Assistant Professor  
Otolaryngology - Head & Neck Surgery  
University of Cincinnati College of Medicine  
Director, Center for Pediatric Voice Disorders  
Cincinnati Children's Hospital Medical Center

### **MARVIN P. FRIED, MD**

Professor & University Chairman  
Department of Otorhinolaryngology -  
Head & Neck Surgery  
Montefiore Medical Center  
Albert Einstein College of Medicine

### **BRUCE H. HAUGHEY, MBChB, MS**

Kimbrough Professor of Otolaryngology -  
Head & Neck Surgery  
Washington University School of Medicine  
Director, Head & Neck Surgical Oncology  
Washington University School of Medicine

### **ALLEN D. HILLEL, MD**

Professor of Otolaryngology-Head & Neck  
Surgery  
Adjunct Professor of Rehabilitation Medicine  
University of Washington, Seattle

### **ANTHONY F. JAHN, MD**

Professor of Clinical Otolaryngology  
Columbia University College of Physicians &  
Surgeons  
Adjunct Professor of Voice Pedagogy  
Westminster Choir School of Rider University

### **ROBERT S. LANGER JR., ScD**

David H. Koch Institute Professor  
Massachusetts Institute of Technology

### **EUGENE N. MYERS, MD**

Distinguished Professor & Emeritus Chair  
Department of Otolaryngology  
University of Pittsburgh School of Medicine

### **BERT W. O'MALLEY JR., MD**

Gabriel Tucker Professor  
of Otorhinolaryngology - Head & Neck  
Surgery  
Chair, Department of Otorhinolaryngology  
Director, Penn Otolaryngology Residency  
Program  
Co-Director, Head & Neck Cancer Center  
Hospital of the University of Pennsylvania

### **ROBERT H. OSSOFF, DMD, MD**

Guy M. Maness Professor of Laryngology  
Executive Medical Director, Vanderbilt Voice  
Center  
Department of Otolaryngology  
Assistant Vice Chancellor  
Office of Compliance & Corporate Integrity  
Vanderbilt University Medical Center

### **MARSHALL STROME, MD, MS**

Director, Center for Head & Neck Oncology  
Co-Director, Head & Neck Transplantation  
Program  
Center for Facial Reconstruction  
New York Head & Neck Institute

### **GAYLE E. WOODSON, MD**

Professor & Chair, Division of Otolaryngology  
Southern Illinois University School of  
Medicine

# COURSE SCHEDULE

**Friday, September 24, 2010**

- 7:00 - 7:25am      *REGISTRATION & REFRESHMENTS*
- 7:25 - 7:30        Welcome & Introduction of Guest of Honor
- 7:30 - 8:00        Redefining the Role of the Head & Neck Surgeon in  
the Era of Chemoradiation .....*Eugene N. Myers, MD*

## **NeuroLaryngology (Moderator: Blitzler)**

- 8:00 - 8:30        Laryngeal Dystonias .....*Andrew M. Blitzler, MD, DDS*
- 8:30 - 9:00        Laryngeal Electromyography .....*Allen D. Hillel, MD*
- 9:00 - 9:30        Laryngeal Reinnervation .....*Roger L. Crumley, MD, MBA*
- 9:30 - 9:45        *BREAK*
- 9:45 - 10:15      Anatomy & Physiology of Cricoarytenoid Joint  
.....*Gayle E. Woodson, MD*
- 10:15 - 10:45     Surgical Treatment of Vocal Fold Paralysis  
.....*James A. Burns, MD*
- 10:45 - 11:15     Discussion - NeuroLaryngology
- 11:15 - 11:45     **Keynote Lecture** .....*Andrew L. Warshaw, MD*  
Surgical Training: New Paradigms on the Horizon
- 11:45 - 12:15pm   **Keynote Lecture** .....*Robert S. Langer, Jr., ScD*  
Creating and Implementing Breakthrough Medical Technology
- 12:15 - 1:00        *LUNCH*
- 12:30 - 1:00        Lunch Lecture: Innovations in Voice Assessment  
.....*Robert E. Hillman, PhD, CCC-SLP*

## **Professional and Pediatric Voice (Moderator: Ossoff)**

- 1:00 - 1:30        Development of Laryngology Centers of Excellence  
.....*Robert H. Ossoff, DMD, MD*
- 1:30 - 2:00        Medical Management of Vocal Performers  
.....*Michael S. Benninger, MD*
- 2:00 - 2:30        The Tao of Laryngology: An Alternative Approach to Singers  
.....*Anthony F. Jahn, MD*
- 2:30 - 3:00        Pediatric Voice .....*Alessandro de Alarcon, MD*
- 3:00 - 3:30        Discussion - Professional and Pediatric Voice
- 3:30 - 3:45        *BREAK*

## **PhonemicSurgery - Benign (Moderator: Burns)**

- 3:45 - 4:15        Atypical Lesions .....*Aaron D. Friedman, MD*
- 4:15 - 4:45        Papillomatosis .....*James A. Burns, MD*
- 4:45 - 5:15        Polyps, Cysts, Nodules .....*Steven M. Zeitels, MD*
- 5:15 - 5:45        Discussion - PhonemicSurgery - Benign
- ADJOURN*

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# COURSE SCHEDULE

## Saturday, September 25, 2010

7:00 - 7:15am      *REFRESHMENTS*

7:15 - 7:45      **Keynote Lecture** .....*Marsha A. Moses, PhD*  
Molecular Regulation of Angiogenesis: From the Angiogenic  
Switch Through Tumor Progression: Implications for Therapy,  
Diagnosis & Prognosis

### Laryngo-Tracheal Stenosis      **(Moderator: Zeitels)**

7:45 - 8:15      Laryngo-Tracheal Airway Surgery (Otolaryngologic Perspective)  
.....*Robin T. Cotton, MD*

8:15 - 8:45      Laryngo-Tracheal Airway Surgery (Thoracic Perspective)  
.....*Douglas J. Mathisen, MD*

8:45 - 9:15      Discussion - Laryngo-Tracheal Stenosis

9:15 - 9:30      *BREAK*

9:30 - 10:00      **Keynote Lecture** .....*R. Rox Anderson, MD*  
Surgery with Light

### Surgical Innovations      **(Moderator: Friedman)**

10:00 - 10:30      Laryngeal Transplantation .....*Marshall Strome, MD, MS*

10:30 - 11:00      Novel Laryngo-Tracheal Reconstruction .....*John C. Wain, MD*

11:00 - 11:30      Robotic Surgery in the Larynx .....*Bert W. O'Malley, Jr., MD*

11:30 - 12:00pm      Discussion - Surgical Innovations

12:00 - 1:00      *LUNCH*

### Laryngeal Cancer      **(Moderator: Zeitels)**

1:00 - 1:30      Glottis: Open Partial Laryngectomy .....*Marvin P. Fried, MD*

1:30 - 2:00      Supraglottis: Endoscopic & Open Treatment  
.....*Bruce H. Haughey, MBChB, MS*

2:00 - 2:30      Imaging Laryngeal Cancer .....*Hugh D. Curtin, MD*

2:30 - 3:00      Glottis: Endoscopic Treatment .....*Steven M. Zeitels, MD*

3:00 - 3:30      Discussion - Laryngeal Cancer

*ADJOURN*

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## COURSE LOCATION

All sessions will be held at the **Harvard Club of Boston**, 374 Commonwealth Avenue, Boston, Massachusetts 02215 (Telephone: 617-536-1260).

## ACCREDITATION

Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Harvard Medical School designates this educational activity for a maximum of 16.5 AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

# LARYNGOLOGY AND VOICE SURGERY - SEPTEMBER 24-25, 2010 - COURSE #301518

Register early, space is limited.

Telephone, fax or mail-in registration with credit card payment is not accepted. All foreign payments must be made by a draft on a United States bank or by Visa or MasterCard.

Inquiries should be directed to the above address, made by phone: 617-384-8600, Monday-Friday, 10 AM to 4 PM (EST), or by e-mail: [hms-cme@hms.harvard.edu](mailto:hms-cme@hms.harvard.edu). Upon receipt of your registration form an email confirmation from the HMS-DCE office will be sent to you. Therefore, be sure to include an email address that you check daily/frequently. Your email address is used for critical information about the course including: registration confirmation, course evaluation and certificate.

**Refund Policy** - A handling fee of \$60 is deducted for cancellation. Refund requests must be received by mail or fax one week prior to the course. No refunds will be made thereafter.

Full Name \_\_\_\_\_  
First \_\_\_\_\_ Middle \_\_\_\_\_ LAST \_\_\_\_\_ Degree \_\_\_\_\_

Mailing Address \_\_\_\_\_  
Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Daytime Phone ( \_\_\_\_\_ ) \_\_\_\_\_ Fax Number ( \_\_\_\_\_ ) \_\_\_\_\_

Email Address \_\_\_\_\_  
 Please check if you wish to be excluded from receiving email notices of future HMS-DCE programs.

Professional School Attended \_\_\_\_\_ Year of Graduation \_\_\_\_\_

Profession \_\_\_\_\_ Primary Specialty (Physicians Only) \_\_\_\_\_

Organization Affiliation \_\_\_\_\_ Board Certified? Yes  No

**Tuition Fee - \$400 (USD)**

**Residents\*/Fellows in Training\* and Allied Health Professionals - \$250 (USD)**

*\*A letter of verification from Department Chair must accompany application for a reduced fee.*

**If paying by credit card, telephone, fax or mail-in registrations are not accepted.**

Please register online at:  
[www.cme.hms.harvard.edu/courses/laryngology](http://www.cme.hms.harvard.edu/courses/laryngology)

If paying by check, please make payable to Harvard Medical School and mail it with this registration form to:

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