

The PENN International Rhinology and Skull Base Dissection Course

**LIVE
SURGERY**

March 10-12, 2011

The Westin Philadelphia



FEATURING: Distinguished Skull Base Professorship

Sponsored by:

Continuing Medical Education



Penn Medicine

Presented by:

**Departments of Otorhinolaryngology:
Head and Neck Surgery and Neurosurgery**

Executive Course Director (ORL-HNS CME):

James N. Palmer, MD

**Penn Distinguished
Skull Base Professorship:**

Theodore H. Schwartz, MD
Weill Cornell Medical College

Heinz Stammberger, MD
Medical University of Graz, Austria

Course Co-Directors:

Bert W. O'Malley, Jr., MD

David W. Kennedy, MD

Noam A. Cohen, MD, PhD

M. Sean Grady, MD

John Y.K. Lee, MD

Guest Faculty

Alexander G. Chiu, MD
University of Arizona

Costas G. Hadjipanayis, MD, PhD
Emory University

Bradley Marple, MD
University of Texas Southwestern

Piero Nicolai, MD
University of Brescia, Italy

Rodney J. Schlosser, MD
Medical University of South Carolina

Course Information

Executive Course Director (ORL-HNS CME)

James N. Palmer, MD

Associate Professor
Director, Division of Rhinology
Department of Otorhinolaryngology—
Head and Neck Surgery
University of Pennsylvania Health System

Course Co-Directors

University of Pennsylvania Health System

Bert W. O'Malley, Jr., MD

Gabriel Tucker Professor and Chair
Department of Otorhinolaryngology—
Head and Neck Surgery

David W. Kennedy, MD

Rhinology Professor
Department of Otorhinolaryngology—
Head and Neck Surgery

Noam A. Cohen, MD, PhD

Assistant Professor
Director, Rhinology Research Laboratory
Department of Otorhinolaryngology—
Head and Neck Surgery
Philadelphia Veterans Affairs Medical Center

M. Sean Grady, MD

Charles Harrison Frazier Professor and Chair,
Department of Neurosurgery

John Y.K. Lee, MD

Assistant Professor, Department of Neurosurgery

Penn Distinguished

Skull Base Professorship:

Theodore H. Schwartz, MD

Professor of Neurosurgery
Otolaryngology, Neurology & Neuroscience
Department of Neurosurgery
Weill Cornell Medical College
New York Presbyterian Hospital, New York, NY

Heinz Stammberger, MD

Professor and Head
Department of General ENT
Head and Neck Surgery
Medical University of Graz, Austria

Distinguished Visiting Faculty

Rakesh Chandra, MD

Assistant Professor
Department of Otolaryngology—
Head and Neck Surgery
Northwestern University
Feinberg School of Medicine, Chicago, IL

Alexander G. Chiu, MD

Professor, Department of Surgery
Chief, Division of Otolaryngology—
Head and Neck Surgery
University of Arizona, Tucson, AZ

Satish Govindaraj, MD

Assistant Professor
Department of Otolaryngology
Mount Sinai Medical Center, New York, NY

Costas G. Hadjipanayis, MD, PhD

Assistant Professor, Chief of Neurosurgery Service
Department of Neurosurgery
Emory University School of Medicine, Atlanta, GA

Alexis H. Jackman, MD

Assistant Professor
Department of Otorhinolaryngology—
Head and Neck Surgery
Albert Einstein School of Medicine/
Montefiore Medical Center, New York, NY

Jivianne Lee, MD

Orange County Sinus Center, Placentia, CA

John Lee, MD

Assistant Professor
Department of Otolaryngology—
Head and Neck Surgery
University of Toronto, Canada

Bradley Marple, MD

Professor and Vice Chairman
Department of Otolaryngology—
Head and Neck Surgery
University of Texas Southwestern, Dallas, TX

Jayakar Nayak, MD, PHD

Assistant Professor
Otolaryngology (Head and Neck Surgery)
Stanford University, Stanford, CA

Piero Nicolai, MD

Professor and Chairman
Department of Otorhinolaryngology
University of Brescia, Italy

Vijay Ramakrishnan, MD

Assistant Professor
Department of Otorhinolaryngology
University of Colorado, Denver, CO

Rodney J. Schlosser, MD

Professor
Department of Otorhinolaryngology:
Head and Neck Surgery
Medical University of South Carolina
Charleston, SC

Jeffrey Suh, MD

Assistant Professor, Department of Surgery
Division of Head and Neck Surgery
(Otolaryngology)
UCLA School of Medicine, Los Angeles, CA

Eugenia M. Vining, MD

Clinical Instructor, Department of Otolaryngology
Yale University School of Medicine
Associate Chief of Otolaryngology
St. Raphael's Hospital, New Haven, CT

Kevin C. Welch, MD

Assistant Professor
Department of Otolaryngology—
Head and Neck Surgery
Loyola University Medical Center, Maywood, IL

Bradford Woodworth, MD

Clinical Professor
Department of Otorhinolaryngology—
Head and Neck Surgery
University of Alabama at Birmingham
Birmingham, AL

PENN Course Faculty

Nithin Adappa, MD

Rhinology Fellow
Department of Otorhinolaryngology—
Head and Neck Surgery
University of Pennsylvania Health System

Michelle Alonso-Basanta, MD, PhD

Helen Blum Assistant Professor
Department of Radiation Oncology
University of Pennsylvania Health System

Kevin D. Judy, MD

Associate Professor,
Department of Neurosurgery
University of Pennsylvania Health System

James Kearney, MD

Associate Professor
Department of Otorhinolaryngology—
Head and Neck Surgery
Pennsylvania Hospital, University of
Pennsylvania Health System

Laurie Loevner, MD

Professor of Radiology,
Otorhinolaryngology—Head and Neck
Surgery and Neurosurgery
University of Pennsylvania Health System

Jason G. Newman, MD

Assistant Professor
Department of Otorhinolaryngology—
Head and Neck Surgery
University of Pennsylvania Health System

Jeremy Reed, MD

Rhinology Fellow
Department of Otorhinolaryngology—
Head and Neck Surgery
University of Pennsylvania Health System

Michael B. Siegel, MD

Director, Siegel and Bosworth ENT Center
Rockville, MD

Phillip (Jay) Storm, MD

Assistant Professor of Neurosurgery
Children's Hospital of Philadelphia

Erica R. Thaler, MD

Professor
Department of Otorhinolaryngology—
Head and Neck Surgery
University of Pennsylvania Health System

Lawrence W. C. Tom, MD

Associate Professor
Department of Otorhinolaryngology—
Head and Neck Surgery
University of Pennsylvania and
Children's Hospital of Philadelphia

Target Audience

This program is designed for otorhinolaryngologists, medical rhinologists, neurosurgeons, and other related health care professionals such as nurse practitioners and physician assistants.

Course Overview

This comprehensive three-day continuing medical education program in Rhinology and Skull Base Surgery features an outstanding national and international faculty. The course focuses on medical and surgical advances in the management of sino-nasal disease and skull base disorders. There will be specific emphasis on the frontal and sphenoid sinuses, chronic rhinosinusitis, skull base surgery, medical therapy, image guidance and powered instrumentation and endoscopic management of benign and malignant skull base tumors. Difficult cases, prevention, diagnosis and management of complications arising from sinus disease and skull base surgery will be reviewed.

Once again we are excited to offer live surgery at the course! Live surgical cases will be telecasted to the Penn Surgical Theatre where participants will be able to interact with Drs. Kennedy and Palmer while they are operating. Additionally, demonstration cadaver dissections will be presented by Drs. Stammberger and Schwartz using powered instrumentation and stereotactic surgical navigation systems. The course also offers a cadaver dissection laboratory for hands-on experience with powered instrumentation, drills and image-guidance systems at every station. A special highlight of the program is the Distinguished Skull Base Professorship, featuring the lectures and dissections presented by Drs. Schwartz and Stammberger.

Objectives

Upon completion of the course participants should be able to:

Lectures:

- Describe the role, benefits and limitations of image-guidance sino-nasal surgery
- Discuss endoscopic approaches to the frontal and sphenoid sinuses
- Identify the anatomy of the paranasal sinuses and recognize indications for endoscopic surgery
- Formulate strategies and solutions to manage “difficult to manage sino-nasal disease”
- Review complications of sinus surgery and their proper management
- Identify strategies to treat benign and malignant lesions of the skull base

Laboratory:

- Perform routine nasal endoscopy for the diagnosis of sino-nasal disease
- Describe proper endoscopic instrument handling and surgical techniques
- Perform techniques involved in traditional and powered sphenoethmoidectomy
- Discuss intricacies of image-guided endoscopic sinus surgery
- Identify difficult and critical areas of paranasal sinuses
- Practice various frontal sinus approaches and describe their technical implementation
- Perform techniques in endoscopic skull base surgery including clival, pituitary, anterior cranial fossa, and infratemporal fossa approaches

Accreditation

The University of Pennsylvania School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCMME) to provide continuing medical education for physicians.

Designation of Credit

The University of Pennsylvania School of Medicine designates this educational activity for a maximum of **25 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

- Rhinology Lecture Only18.0 credits
- Rhinology Group 1.....21.5 credits
- Rhinology Group 2 25.0 credits
- Neurosurgeons 21.5 credits

Disclosures

University of Pennsylvania School of Medicine, Office of Continuing Medical Education, adheres to the ACCME *Standards for Commercial Support*. Faculty disclosure information will be made available in the conference materials and syllabi. Faculty members are also expected to disclose to participants any discussions of off-label and/or investigational uses of pharmaceutical products within their presentations.

Course Registration

It is strongly recommended that you register early for this program. Registration is limited due to seating capacity in the surgical theatre and number of stations in the hands-on laboratory.

All registrations will be confirmed via email. If you do not receive a confirmation please email Cathy.Lafferty@uphs.upenn.edu or phone 215-349-5382.

Early Registration Discount:

The following registration rates apply to all registration payments received by **January 15, 2011**. After that date all fees increase by \$100.

Early Registration Fees:

Rhinology Lecture Only • \$900 Physicians / \$700 Residents

- All lectures, live surgery and demo-dissections (no hands-on lab)

Rhinology Lab Group 1 • \$1650 Physicians / \$1300 Residents

- 1 Lab Session (Lab B or other as available), all lectures, live surgery and demo-dissections

Rhinology Group 2 • \$2150 Physicians / \$1700 Residents

- 2 Lab Sessions (Labs B and C), all lectures, live surgery and demo-dissections

Neurosurgeons • \$2150 Physicians / \$1700 Residents

- 2 Lab Sessions (Labs A and B), all lectures and demo-dissections

(Nurses, physician's assistants, and other allied health care professional may register at the Resident rate.) Course tuition fees include continental breakfast each day, lunches, refreshment breaks, course reception, all course and laboratory (if applicable) materials, as well as transportation to and from the University of Pennsylvania for live surgery, demonstration dissections, and hands-on laboratory portions of the program.

PLEASE NOTE: There is limited space for all hands-on laboratories. Neurosurgeons and Rhinology Lab Group 2 registrants (double lab) will be assigned labs first. Rhinology Lab Group 1 registrants (single lab) will be assigned to Lab B (Saturday morning) on a first come basis as space permits; once the Saturday morning lab is filled you may be offered a lab space in another time slot (Friday morning or Saturday afternoon) based on availability.

Course Cancellation Policy

The University of Pennsylvania reserves the right to cancel or postpone the course due to unforeseen circumstances. In the event of cancellation or postponement by the University, the University will refund conference registration fees but is not responsible for any related costs, charges or expenses to participants including cancellation fees assessed by airlines, travel agencies and hotels.

If a participant must cancel his/her registration, he or she may receive a refund if written notification is received by **February 11, 2011**. Refunds will not be processed after this date. All refunds are subject to a **\$50.00 cancellation fee**. Please fax or email your cancellation notification to Cathy Lafferty, at fax number 215-662-4515 or Cathy.Lafferty@uphs.upenn.edu. For more information please call 215-349-5382.

For More Information:

Contact Cathy Lafferty, Department of Otorhinolaryngology
Phone: 215-349-5382 • Fax: 215-662-4515
Email: cathy.lafferty@uphs.upenn.edu
Website: <http://www.uphs.upenn.edu/pennorl>



The Westin Philadelphia

99 South 17th Street, Philadelphia, PA 19103 • 215-563-1600

All lecture portions of this course will be held at one of the city's finest hotels. Situated in the heart of a city rich with history, the Westin Philadelphia elegantly enhances its desirable Rittenhouse Square address with comfort and style. Upscale shops, award-winning restaurants, the theater district and historic attractions are all within walking distance from the hotel's front door in this premiere downtown location. Amenities include the trademark Heavenly Bed®, marble bathrooms, plasma television and CD player, honor bar, guest voicemail, digital safe, wireless internet access, 24-hour business center, and the Westin Workout Center. The hotel is located at 99 South 17th Street at Liberty Place, just 8 miles from Philadelphia International Airport and one mile from Amtrak's 30th Street Station. For driving directions please visit the website: <http://www.starwoodhotels.com/westin/property/area/directions.html?propertyID=1231>

Hotel parking ranges from \$29/day/self to \$35/day/valet and \$33 overnight/self to \$45 overnight/valet (subject to change). Parking fees are slightly less on weekends. The parking fee is not covered by the course.

Hotel Accommodations at The Westin Philadelphia

Rooms are available **Wednesday, March 9, 2011 through Saturday, March 12, 2011** at a special rate of \$199.00 per night (Deluxe King) plus tax (currently 15.2%). Reservations may be made directly by calling the **Hotel's Reservation Department at 1-888-627-8153**. You may also register online at: www.starwoodmeeting.com/Book/pennrhin. Please be sure to reference The University of Pennsylvania Rhinology/Skull Base Course when making your hotel reservation. **Please book your room no later than Monday, February 7, 2011**. After the cutoff date, reservations will be accepted on a space and rate availability basis only.

Nondiscrimination Statement

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic group, age, status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic or other University administered programs or employment. Questions or complaints regarding this policy should be directed to the Executive Director, Office of Affirmative Action, Suite 228, Sansom Place East, 3600 Chestnut Street, Philadelphia, PA 19104-6106 or 215-898-6993 (Voice) or 215-898-7803 (TDD).

Services for the Disabled/Special Arrangements

If special arrangements are required for an individual with a disability, or for any reason, to attend this meeting please contact Cathy Lafferty at 215-349-5382 or email Cathy.Lafferty@uphs.upenn.edu by February 15, 2011.

Program Schedule

Thursday, March 10, 2011

6:45-7:45am **Course Registration, Continental Breakfast & Exhibit Viewing**

The Westin Ballroom/Pre-Function Area

7:45-8:00am **Welcome/Announcements**

Bert W. O'Malley, Jr., MD, David W. Kennedy, MD and James N. Palmer, MD

8:00-8:20am **Basic Sinus Anatomy**

Kevin C. Welch, MD

8:20-8:40am **Approaches to the Skull Base: Transcribiform/Transethmoid**

James N. Palmer, MD

8:40-9:00am **Approaches to the Skull Base: Suprasellar/Clival**

John Y.K. Lee, MD

9:00-9:20am **Open Approaches to Skull Base**

Piero Nicolai, MD

9:20-9:40am **Orbital Considerations**

Bert W. O'Malley, Jr., MD

9:40-10:10am **BREAK and Exhibit Viewing**

10:10-10:30am **Pterygopalatine Fossa and Infratemporal Fossa**

Jason G. Newman, MD

10:30-10:50am **Endoscopic Repair CSF Leaks/Encephaloceles**

David W. Kennedy, MD

10:50-11:10am **Endoscopic Pituitary Surgery**

M. Sean Grady, MD

11:10-11:30am **Flap Closure of Skull Base Defects**

Rodney J. Schlosser, MD

11:30-12:00pm **Complications of Endoscopic Skull Base Surgery**

Theodore H. Schwartz, MD

12:00-12:30pm **CT/MRI Sinus/Skull Base Cases**

Laurie Loevner, MD

12:30-1:30pm **LUNCH and Exhibit Viewing**

Rhinology Lectures

Includes Rhinology Lecture Only and Rhinology Lab Groups 1 & 2

1:30-2:00pm **Overview of CRS**

David W. Kennedy, MD

2:00-2:30pm **Mechanisms of Disease**

Noam A. Cohen, MD, PhD

2:30-3:30pm **Basic Surgical Maneuvers in FESS and CRS Case Panel**

Bradley Marple, MD

Panelists: Alexander G. Chiu, MD
Noam A. Cohen, MD, PhD
David W. Kennedy, MD
James N. Palmer, MD
Heinz Stammberger, MD
Bradford Woodworth, MD

3:30-4:00pm **BREAK and Exhibit Viewing**

4:00-4:20pm **Frontal Sinus Anatomy and Endoscopic Approaches**

Heinz Stammberger, MD

4:20-4:50pm **Frontal Sinus Case Panel**

James N. Palmer, MD

Panelists: Piero Nicolai, MD
Vijay Ramakrishnan, MD
Heinz Stammberger, MD
Jeffrey Suh, MD

4:50-5:10pm **Complications Panel**

Piero Nicolai, MD

Panelists: John Lee, MD
Jason G. Newman, MD
Rodney J. Schlosser, MD
Eugenia M. Vining, MD

5:10-5:30pm **Topical Therapies Panel**

Alexander G. Chiu, MD

Panelists: Satish Govindaraj, MD
Alexis H. Jackman, MD
Bradley Marple, MD
Jayakar Nayak, MD, PHD

5:30-6:00pm **Emerging Technologies Panel**

David W. Kennedy, MD

Panelists: Rakesh Chandra, MD
Jivianne Lee, MD,
Bert W. O'Malley, Jr., MD
Heinz Stammberger, MD

Neurosurgery Lectures

Neurosurgeon Group

1:30-2:00pm **Endoscopic Colloid Cyst Resection**

Costas G. Hadjipanayis, MD, PhD

2:00-2:30pm **Endoscopic Third Ventriculostomy and Cyst Fenestration**

Phillip (Jay) Storm, MD

2:30-3:30pm **Emerging Technology Panel**

A. Three Dimensional Endoscope
Theodore H. Schwartz, MD

B. Nico Myriad
M. Sean Grady, MD

C. Da Vinci Robot
Jason G. Newman, MD and John Y.K. Lee, MD

3:30-4:00pm **BREAK and Exhibit Viewing**

4:00-4:30pm **Endoscopic Resection of Clival Chordoma**

John Y.K. Lee, MD

4:30-5:00pm **Clival Chordoma: Role of Proton Radiation**

Michelle Alonso Basanta, MD, PhD

5:00-6:00pm **Case Panel** (craniopharyngioma, anterior skull base meningioma, chordoma)

John Y.K. Lee, MD

Panelists: M. Sean Grady, MD
Costas G. Hadjipanayis, MD, PhD
Theodore H. Schwartz, MD
Phillip (Jay) Storm, MD

Video Session (All Groups)

6:00-6:30pm **Endoscopic Skull Base Video Session**

Heinz Stammberger, MD

Course Reception

7:00-9:00pm **Skull Base Professorship Reception and Casino Night**

Friday, March 11, 2011

6:30-7:10am **Continental Breakfast and Sign-in**
Westin Ballroom/Pre-function Area

7:10-7:25am **Transportation for ALL to
University of Pennsylvania**

Live Surgery (Otolaryngology)

Includes Rhinology Lecture Only and Rhinology Lab Groups 1 & 2

7:30-8:00am **Live Surgery Introductions, Pre-Operative
Preparation, Case Histories** (Flyer's Theater)
Discussants: Alexander G. Chiu, MD
Noam A. Cohen, MD, PhD

8:00-11:30am **Live Surgery**
Surgeons: David W. Kennedy, MD
James N. Palmer, MD

Lab A (Neurosurgery)

Neurosurgeon Group

7:30-11:30am **Hands-On Laboratory** (Stemmler Hall)
ENT: Nithan Adappa, MD, Satish Govindaraj, MD,
Alexis Jackman, MD, James Kearney, MD,
Jivianne Lee, MD, John Lee, MD,
Jayakar Nayak, MD, PhD, Jason Newman, MD,
Vijay Ramakrishnan, MD, Jeremy Reed, MD,
Michael B. Siegel, MD, Jeffrey Suh, MD,
Erica R. Thaler, MD, Lawrence W. C. Tom, MD,
Eugenia M. Vining, MD, Kevin C. Welch, MD,
Bradford Woodworth, MD
NSG: M. Sean Grady, MD, Costas G. Hadjipanayis, MD, PhD,
John Y.K. Lee, MD, Theodore H. Schwartz, MD,
Phillip (Jay) Storm, MD

11:30-12:00pm **Transportation for ALL back to The Westin**

12:00-1:00pm **LUNCH and Exhibit Viewing**

Penn Distinguished Skull Base Professorship

1:00-2:00pm **Heinz Stammberger, MD**

2:00-3:00 pm **Theodore H. Schwartz., MD**

3:00-3:15pm **Recognition of Skull Base Professors**

3:15-3:45pm **BREAK and Exhibit Viewing**

3:45-4:15pm **Endoscopic Treatment of
Skull Base Malignancy**
Piero Nicolai, MD

4:15-4:40pm **Ventral Skull Base Endoscopic Surgery –
Past, Present & Future**
John Y.K. Lee, MD

4:40-5:00pm **Intraventricular Endoscopic Treatments**
Costas G. Hadjipanayis, MD, PhD

5:00-5:30pm **“Submit Your Case”**
Rakesh Chandra, MD
Panelists: David W. Kennedy, MD
John Y.K. Lee, MD
Piero Nicolai, MD
Heinz Stammberger, MD



Program Schedule, continued

Saturday, March 12, 2011

- 6:30-7:10am **Continental Breakfast and Sign-in**
The Westin Ballroom/Pre-Function Area
- 7:10-7:25am **Transportation for ALL to the University of Pennsylvania**
- 7:30-8:15am **Demonstration Dissection: Rhinology**
Heinz Stammberger, MD
- 8:15-9:00am **Demonstration Dissection: Endoscopic Skull Base**
Theodore H. Schwartz, MD

Adjourned (Rhinology Lecture Only Group)

- 9:00-9:30am **Transportation back to The Westin**

Lab B (Otolaryngology/Neurosurgery)

Rhinology Lab Groups 1 & 2 and Neurosurgeon Group

- 9:00-12:30pm **Hands-On Laboratory** (Stemmler Hall)
ENT: Nithan Adappa, MD, Satish Govindaraj, MD, Alexis Jackman, MD, James Kearney, MD, Jivianne Lee, MD, John Lee, MD, Jayakar Nayak, MD, PhD, Jason Newman, MD, Vijay Ramakrishnan, MD, Jeremy Reed, MD, Michael B. Siegel, MD, Jeffrey Suh, MD, Erica R. Thaler, MD, Lawrence W. C. Tom, MD, Eugenia M. Vining, MD, Kevin C. Welch, MD, Bradford Woodworth, MD
NSG: M. Sean Grady, MD, Costas G. Hadjipanayis, MD, PhD, John Y.K. Lee, MD, Theodore H. Schwartz, MD, Phillip (Jay) Storm, MD
- 12:30-1:00pm **Lunch**
Box lunch provided at University of Pennsylvania

Adjourned (Rhinology Lab Group 1 and Neurosurgeon Group)

- 1:00-1:30pm **Transportation back to The Westin**



Lab C (Otolaryngology)

Rhinology Lab Group 2

- 1:00-4:30pm **Hands-On Laboratory** (Stemmler Hall)
Nithan Adappa, MD, Satish Govindaraj, MD, Alexis Jackman, MD, James Kearney, MD, Jivianne Lee, MD, John Lee, MD, Jayakar Nayak, MD, PhD, Jason Newman, MD, Vijay Ramakrishnan, MD, Jeremy Reed, MD, Michael B. Siegel, MD, Jeffrey Suh, MD, Erica R. Thaler, MD, Lawrence W. C. Tom, MD, Eugenia M. Vining, MD, Kevin C. Welch, MD, Bradford Woodworth, MD

Adjourned (Rhinology Lab Group 2)

- 4:30-5:00pm **Transportation back to The Westin**



Meeting Registration Form (For online registration go to www.uphs.upenn.edu/pennorl)

The PENN International Rhinology and Skull Base Dissection Course

The Westin Philadelphia • March 10-12, 2011

Name (first) _____ (last) _____

MD PhD DO NP PA Other _____

Specialty: Otorhinolaryngology Neurosurgery Neurology General Practice Other _____

Address (home) or (office) _____

City _____ State _____ Zip Code _____ Country _____

E-mail address _____

Daytime phone (_____) _____ Fax (_____) _____

Tuition Fees (Please check one)

Early Registration Special! The following special rates are in effect until January 15, 2011 only!

- | | |
|--|--|
| <input type="checkbox"/> \$900 Physicians Rhinology Lecture Only | <input type="checkbox"/> \$700 Residents* Rhinology Lecture Only |
| <input type="checkbox"/> \$1650 Physicians Rhinology Group 1 | <input type="checkbox"/> \$1300 Residents* Rhinology Group 1 |
| <input type="checkbox"/> \$2150 Physicians Rhinology Group 2 | <input type="checkbox"/> \$1700 Residents* Rhinology Group 2 |
| <input type="checkbox"/> \$2150 Physicians Neurosurgeons | <input type="checkbox"/> \$1700 Residents* Neurosurgeons |

*Residents are required to submit a verification letter from their department for the reduced fee.

After January 15, 2011, all rates above increase by \$100.

Course Reception

I plan to attend the Skull Base Professorship Reception and Casino Night

(Thursday, March 10, 2011 at The Westin, 7:00-9:00pm)

Yes No (free for all course participants)

Total Payment \$ _____ **Date** _____

Payment Method

- Check enclosed - Payable to Trustees of the University of Pennsylvania** (US dollars drawn on a US Bank)
- Please charge my credit card:** AmEx Mastercard Visa

Credit Card Number _____ Security Code _____ Expiration Date _____

Signature _____

I understand my credit card will be charged for this course tuition.

3 Ways to Register

1. Go online to www.uphs.upenn.edu/pennorl, click on CME Programs and follow the course registration link.
2. Mail Registration Form and payment to: University of Pennsylvania, Conference Services, Attn: Rhinology/Skull Base 2011, 3702 Spruce Street, Stouffer Commons, Philadelphia, PA 19104
3. Fax Registration Form to 215-573-8452.

All registrations will be confirmed by email. If you do not receive confirmation, it may indicate that we have not received your registration. To be sure you are registered, please contact Cathy Lafferty at 215-349-5382 or email cathy.lafferty@uphs.upenn.edu before March 1st.

**Online registration now available! All payment options accepted.
Please go to: www.uphs.upenn.edu/pennorl and click on CME Program Schedule.**



CME Coordinator
Department of Otorhinolaryngology –
Head and Neck Surgery
University of Pennsylvania Medical Center
3400 Spruce Street, 5 Silverstein
Philadelphia, PA 19104

Non-Profit Organization
U.S. Postage
PAID
Permit No. 2563
Philadelphia, PA

Register Early!

The Westin • Philadelphia, PA
March 10-12, 2011

Visit our Web Site:
<http://www.uphs.upenn.edu/pennorl>

The PENN International Rhinology and Skull Base Dissection Course

Upcoming and Ongoing Events

5th International Update Course: Otolaryngology Underwater November 2-7, 2010 • Plaza Resort Bonaire

We are going “back to Bonaire” for this 4-day program intended for otolaryngologists who wish to combine a first rate meeting with spectacular scuba diving opportunities. Course directors Dr. David Kennedy and Dr. Bert O'Malley, Jr. have planned another excellent program to review and update recent advances in rhinology, head and neck surgery, pediatric otolaryngology, otology/neurology, rhinoplasty and laryngology. Distinguished faculty from around the world will be featured.

The University of Pennsylvania School of Medicine designates this educational activity for a maximum of 16.25 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

17th Annual Advances in Diagnosis and Treatment of Sleep Apnea and Snoring

February 18-20, 2011 • Disney Boardwalk Inn Resort, Orlando, Florida

This course, designed to provide a comprehensive review and update of recent advances in sleep apnea and snoring, is intended for physicians and allied health professionals in the fields of Otolaryngology, Pulmonary Medicine, Sleep Medicine, Oral Maxillofacial Surgery, Dentistry, Family Practice, Internal Medicine, Neurology, Cardiology and Psychiatry. Course directors Dr. Richard Schwab, from the University of Pennsylvania's Division of Sleep Medicine, and Dr. Andrew Goldberg and Dr. Eric Kezirian from UCSF's Department of Otolaryngology–Head and Neck Surgery, have assembled a distinguished faculty, all leaders in their fields of sleep science who will share their medical and surgical expertise. New approaches and controversies in the management of patients with sleep-disordered breathing will be highlighted. An optional break-out lab session will also be offered.

The University of Pennsylvania School of Medicine designates this educational activity for a maximum of 16 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Visiting Mini Fellowship in Endoscopic Sinus Surgery at University of Pennsylvania

Department of Otorhinolaryngology – Head and Neck Surgery

This program is designed for practicing Otolaryngologists with a significant interest in endoscopic sinus surgery and management of sinus and nasal problems. The course is a 3-day, one-on-one clinical experience where participants may spend time with Dr. David Kennedy and Dr. James Palmer during their office hours, observing them in surgery, and performing a cadaveric dissection. It will be of particular benefit to Otolaryngologists who have been to didactic courses, developed some experience with FESS and identified specific problem areas in the surgical management of patients with sinus disease. A maximum of two Otolaryngologists is admitted to the mini fellowship at any one time, allowing for a close one-on-one experience with the faculty. Participants are encouraged to present CT scans from their own difficult or interesting patient cases. Mini Fellows are invited to attend Wednesday evening clinical conferences and Thursday morning Grand Rounds.

For more information:

Contact Cathy Lafferty

Department of ORL-HNS

Phone: 215-349-5382 • Fax: 215-662-4515

Email: cathy.lafferty@uphs.upenn.edu

Website: <http://www.uphs.upenn.edu/pennorl>