

# 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 Only .....18.0 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](mailto: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](mailto: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](mailto: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](http://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](mailto: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](http://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<br><b>Rhinology Lecture Only</b> | <input type="checkbox"/> \$700 Residents*<br><b>Rhinology Lecture Only</b> |
| <input type="checkbox"/> \$1650 Physicians<br><b>Rhinology Group 1</b>     | <input type="checkbox"/> \$1300 Residents*<br><b>Rhinology Group 1</b>     |
| <input type="checkbox"/> \$2150 Physicians<br><b>Rhinology Group 2</b>     | <input type="checkbox"/> \$1700 Residents*<br><b>Rhinology Group 2</b>     |
| <input type="checkbox"/> \$2150 Physicians<br><b>Neurosurgeons</b>         | <input type="checkbox"/> \$1700 Residents*<br><b>Neurosurgeons</b>         |

\*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](http://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](mailto:cathy.lafferty@uphs.upenn.edu) before March 1st.

**Online registration now available! All payment options accepted.  
Please go to: [www.uphs.upenn.edu/pennorl](http://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

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Philadelphia, PA

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## 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*<sup>™</sup>. 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*<sup>™</sup>. 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:

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