PENN International Rhinology and Skull Base Course
March 6–8, 2014

PENN Rhinoplasty Course
March 8–9, 2014

Smilow Center for Translational Research
Philadelphia, PA

NEW: Full Set of Frontal Sinus Instruments and Balloon Approaches
Course Directors

Nithin D. Adappa, MD
Assistant Professor
Department of Otorhinolaryngology – Head and Neck Surgery
Perelman School of Medicine at the University of Pennsylvania

Noam A. Cohen, MD, PhD
Associate Professor
Director, Rhinology Research Laboratory
Department of Otorhinolaryngology – Head and Neck Surgery
Perelman School of Medicine at the University of Pennsylvania and Philadelphia Veterans Affairs Medical Center

M. Sean Grady, MD
Charles Harrison Frazier Professor and Chair
Department of Neurosurgery
Perelman School of Medicine at the University of Pennsylvania

David W. Kennedy, MD
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Department of Otorhinolaryngology – Head and Neck Surgery
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John Y.K. Lee, MD
Assistant Professor
Department of Neurosurgery
Perelman School of Medicine at the University of Pennsylvania

Jason G. Newman, MD
Assistant Professor
Department of Otorhinolaryngology – Head and Neck Surgery
Perelman School of Medicine at the University of Pennsylvania

Bert W. O’Malley, Jr., MD
Gabriel Tucker Professor and Chair
Department of Otorhinolaryngology – Head and Neck Surgery
Perelman School of Medicine at the University of Pennsylvania

James N. Palmer, MD
Associate Professor
Director, Division of Rhinology
Department of Otorhinolaryngology – Head and Neck Surgery
Perelman School of Medicine at the University of Pennsylvania

Penn Distinguished Skull Base Professorship

Ricardo Carrau, MD
Professor of Otolaryngology- Head & Neck Surgery
The Ohio State University Medical College
Columbus, OH

Marvin Bergsneider, MD
Professor In Residence, Department of Neurosurgery
UCLA School of Medicine
Los Angeles, CA

Distinguished Visiting Faculty

Robert Adelson, MD
Albany ENT and Allergy, Albany, NY

Rakesh Chandra, MD
Associate Professor
Department of Otorhinolaryngology – Head and Neck Surgery
Northwestern University
Feinberg School of Medicine, Chicago, IL

David B. Conley, MD
Associate Professor
Department of Otorhinolaryngology – Head and Neck Surgery
Northwestern University
Feinberg School of Medicine, Chicago, IL

Gregg Goldstein, MD
Christiana Care Hospital, Wilmington, DE

Satish Govindaraj, MD
Assistant Professor
Department of Otorhinolaryngology
Mount Sinai Medical Center, New York, NY

Richard Harvey, MD
Associate Professor
Macquarie University and University of New South Wales
Sydney, Australia

Alexis H. Jackman, MD
Assistant Professor
Department of Otorhinolaryngology – Head and Neck Surgery
Montefiore Medical Center
The University Hospital for Albert Einstein College of Medicine, New York, NY

Ameet Kamat, MD
Clinical Instructor and Assistant Professor
Department of Otorhinolaryngology – Head and Neck Surgery
New York Medical College/ Westchester Medical Center, Ardsley, NY

Jivianne Lee, MD
Orange County Sinus Institute, SCPMG
Assistant Clinical Professor
Department of Head & Neck Surgery
UCLA School of Medicine, Irvine, CA

John Lee, MD
Assistant Professor
Department of Otorhinolaryngology – Head and Neck Surgery
University of Toronto, Canada

Jayakar Nayak, MD, PhD
Assistant Professor
Otolaryngology (Head and Neck Surgery)
Stanford University, Stanford, CA

Vijay Ramakrishnan, MD
Assistant Professor
Department of Otorhinolaryngology
University of Colorado, Aurora, CO

Jeremy T. Reed, MD
Chief of Rhinology
Carol R. Darnall Army Medical Center
Fort Hood, TX

Raymond Sacks, MD
Associate Professor
Macquarie University and University of Sydney
Sydney, Australia

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 Head and Neck Surgery
UCLA School of Medicine
Los Angeles, CA

Eugenia M. Vining, MD
Assistant Clinical Professor of Otolaryngology
Yale School of Medicine
New Haven, CT

Calvin Wei, MD
St. Luke’s and Roosevelt Hospitals
New York, NY

Kevin C. Welch, MD
Associate Professor
Department of Otorhinolaryngology – Head and Neck Surgery
Loyola University Chicago
Stritch School of Medicine, Maywood, IL

Bradford Woodworth, MD
James J. Hicks Associate Professor of Surgery
Division of Otorhinolaryngology, Head and Neck Surgery
University of Alabama at Birmingham
Birmingham, AL

PENN Course Faculty

Perelman School of Medicine at the University of Pennsylvania (unless otherwise noted)

Samuel Becker, MD
Director of Rhinology
Becker Nose and Sinus Center, LLC

Raewyn Campbell, MD
Rhinology Fellow
Department of Otorhinolaryngology – Head and Neck Surgery

Dana Crosby, MD
Rhinology Fellow
Department of Otorhinolaryngology – Head and Neck Surgery

James Kearney, MD
Associate Professor
Department of Otorhinolaryngology – Head and Neck Surgery

Kim O. Learned, MD
Assistant Professor, Department of Radiology

Christopher Rasske, MD
Associate Professor
Department of Otorhinolaryngology – Head and Neck Surgery and Neurosurgery

Mark D. Rizzi, MD
Assistant Professor
Department of Otorhinolaryngology – Head and Neck Surgery

Michael B. Siegel, MD
Director, Siegel and Bosworth ENT Center
Rockville, MD

Phillip B. (Jay) Storm, MD
Associate Professor of Neurosurgery
Children’s Hospital of Philadelphia

Lawrence W. C. Tom, MD
Associate Professor
Department of Otorhinolaryngology – Head and Neck Surgery
Target Audience
This program is designed for otorhinolaryngologists, medical rhinologists 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 features an outstanding national and international faculty. There will be specific emphasis on advanced endoscopic procedures as well as medical and surgical focus on the frontal sinus, emerging technologies, and endoscopic skull base surgery. Difficult cases, prevention, diagnosis and management of complications will be reviewed.

A special highlight of the program is the Distinguished Skull Base Professorship, featuring the lectures presented by Dr. Ricardo Carrau and Dr. Marvin Bergsneider.

Live surgical cases will be streamed live and participants will be able to interact with Drs. Kennedy and Palmer while they are operating. Demonstration cadaver dissections will be presented by distinguished guest faculty for endoscopic sinus and skull base procedures 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.

Objectives
Upon completion of the course participants should be able to:

LEcTureS:
• Identify the anatomy of the paranasal sinuses and recognize indications for endoscopic surgery
• Discuss pathophysiology of chronic rhinosinusitis and medical treatment options
• Define advanced endoscopic approaches for management of chronic rhinosinusitis
• Formulate strategies and solutions to manage “difficult to manage sino-nasal disease”
• Review complications of sinus surgery and their proper management
• Describe endoscopic and open surgical techniques with focus on the frontal sinus
• Identify strategies to treat benign and malignant lesions of the skull base
• Apply endoscopic application for treatment of neurological disorders

LABoRATORY:
• Describe proper endoscopic instrument handling and surgical techniques
• Perform routine nasal endoscopy for the diagnosis of sino-nasal disease
• Perform techniques involved in traditional and powered sphenoidectomy
• Discuss intricacies of image-guided endoscopic sinus surgery
• Identify difficult and critical areas of paranasal sinuses
• Demonstrate 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 Perelman School of Medicine at the University of Pennsylvania is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation of Credit
The Perelman School of Medicine at the University of Pennsylvania designates this live activity for a maximum of 25.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

• LECTure Only................................................................. 19.00 credits
• LECTure & Single Lab (Friday PM)......................... 19.25 credits
• LECTure & Double Lab (Saturday AM & PM)........... 25.25 credits

Course Registration
It is strongly recommended that you register early for this program. Registration is limited due to seating capacity in the lecture hall and number of stations in the hands-on laboratory. All registrations will be confirmed via email. If you do not receive confirmation please email Cathy.Lafferty@uphs.upenn.edu or phone 215-349-5382.

Early Registration Fees
The following registration rates apply to all registration payments received by January 15, 2014. After that date all fees increase by $100.

• Lecture Only
  All lectures, live surgery and demo-dissections (no hands-on lab) $900 Physicians, $700 Residents

• Lecture & Single Lab (FRiday PM • Blue Group)
  1 Lab Session (Friday PM), lectures (excludes Skull Base lectures on Friday), live surgery and demo-dissections $1650 Physicians, $1300 Residents

• Lecture & DOUBLE Lab (SatuRday AM & PM • RED Group)
  2 Lab Sessions (Double Lab, Saturday AM & PM), all lectures, live surgery, and demo-dissections $1650 Physicians, $1300 Residents

Course tuition fees include continental breakfast each day, lunches, refreshment breaks, course reception, all course and laboratory (if applicable) materials. Nurses, physician assistants, and other allied health care professional may register at the Resident rate.

SPECIAL DISCOUNT FOR THOSE WHO REGISTER FOR BOTH THE PENN INTERNATIONAL RHINOLOGY AND SKULL BASE AND THE PENN RHINOPLASTY COURSES WITH LAB
See the registration form or online registration site for details. The PENN Rhinology & Skull Base Lecture Only and Lecture and Single Lab (Blue Group) schedules have been designed to accommodate those who wish to attend BOTH courses. However, on Saturday morning participants will choose to attend EITHER the Rhinology demonstration dissections OR the Rhinoplasty lectures, from 7:30–9:00 am.
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<td>6:45-7:45am</td>
<td>Course Registration, Continental Breakfast and Exhibit Viewing</td>
<td>Smilow Commons</td>
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<tr>
<td>7:45-8:00am</td>
<td>Welcome/Announcements</td>
<td>Bert W. O'Malley, Jr., MD David W. Kennedy, MD</td>
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<td>James N. Palmer, MD</td>
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<tr>
<td>8:00-8:20am</td>
<td>Overview of Chronic Rhinosinusitis</td>
<td>David W. Kennedy, MD</td>
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<td>8:20-8:40am</td>
<td>What We Have Learned from Basic Science Research on CRS</td>
<td>Noam A. Cohen, MD, PhD</td>
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<td>8:40-9:10am</td>
<td>Basic Sinus Anatomy and Endoscopic Sinus Surgery</td>
<td>Kevin Welch, MD</td>
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<td>9:10-9:30am</td>
<td>Revision Surgery of the Maxillary, Ethmoid and Sphenoid Sinuses</td>
<td>Jeffry Suh, MD</td>
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<td>9:30-10:00am</td>
<td>Shifting Paradigms of ESS from Ventilation to Access for Topical Therapy</td>
<td>Richard Harvey, MD</td>
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<td>10:00-10:30am</td>
<td>BREAK and Exhibit Viewing</td>
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<td>10:30-11:00am</td>
<td>Basic Chronic Rhinosinusitis Case Panel</td>
<td>Nithin D. Adappa, MD, PhD Noam A. Cohen, MD</td>
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<td>Satish Govindaraj, MD</td>
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<td>Alexis H. Jackman, MD</td>
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<td>Jeremy T. Reed, MD</td>
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<td>11:00-11:30am</td>
<td>Frontal Sinus Anatomy and Overview of DraF Classification of Frontal Sinus Procedures</td>
<td>James N. Palmer, MD</td>
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<td>11:30-12:00pm</td>
<td>DraF I, IIA and IIB</td>
<td>Nithin D. Adappa, MD</td>
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<td>12:00-1:00pm</td>
<td>LUNCH and Exhibit Viewing</td>
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<td>1:00-1:10pm</td>
<td>Live Surgery Introductions: Pre-operative Preparation, Case Histories</td>
<td>Nithin D. Adappa, MD, PhD Noam A. Cohen, MD</td>
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<td>Jason G. Newman, MD</td>
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<td>Eugenia M. Vining, MD</td>
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<td>1:10-3:00pm</td>
<td>Live Surgery</td>
<td>David W. Kennedy, MD</td>
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<td>James N. Palmer, MD</td>
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<td>3:00-3:30pm</td>
<td>DraF III: &quot;The outside-in Lothrop&quot;</td>
<td>Richard Harvey MD</td>
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<td>3:30-4:00pm</td>
<td>BREAK and Exhibit Viewing</td>
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<td>4:00-4:30pm</td>
<td>Frontal Sinus Balloon Dilatation</td>
<td>David Conley, MD</td>
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<td>4:30-5:00pm</td>
<td>Frontal Sinus Panel: Which Endoscopic Approach Do You Choose?</td>
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<td>Eugene Vining, MD</td>
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<td>Calvin Wei, MD</td>
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<td>5:00-5:20pm</td>
<td>Improving Results in Revision Frontal Sinus Surgery: DraF IIA &amp; DraF IIB</td>
<td>Vijay Ramakrishnan MD</td>
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<td>5:20-5:40pm</td>
<td>Improving DraF III Results</td>
<td>Bradford Woodworth, MD</td>
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<td>5:40-6:00pm</td>
<td>Post-Operative Care of the Frontal Sinus</td>
<td>Rakesh Chandra, MD</td>
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<td>6:00-6:20pm</td>
<td>Open Frontal Sinus Cases: Endoscopic Options?</td>
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<td>Rodney J. Schlosser, MD</td>
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<td>Ricardo Carrau MD</td>
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<td>Kevin Welch, MD</td>
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<td>6:20-6:40pm</td>
<td>Emerging Technologies</td>
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<td>David W. Kennedy, MD</td>
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<td>7:00-9:00pm</td>
<td>COURSE RECEPTION</td>
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<td>Skull Base Professorship Reception &amp; Casino Night</td>
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FRIDAY, MARCH 7, 2014

6:45-7:15am  Continental Breakfast and Exhibit Viewing  Smilow Commons

7:15-7:35am  External Approaches to the Frontal Sinus  Jason G. Newman, MD

7:35-8:05am  Endoscopic DCR  Raymond Sacks, MD

8:05-8:25am  Frontal Sinus Trauma  Robert Adelson, MD

8:25-8:55am  CSF Leaks  Rodney J. Schlosser, MD

8:55-9:15am  Approaches to the Pterygopalatine Fossa  Ricardo Carrau, MD

9:15-9:45am  Case Panel: Balloon, Endoscopic or Open? Approaches for Best Results  
MODERATOR: Satish Govindaraj, MD  
PANELISTS: David Conley, MD; Jivianne Lee, MD; John Lee, MD; Vijay Ramakrishnan, MD; Bradford Woodworth, MD

9:45-10:15am  BREAK and Exhibit Viewing

10:15-10:30am  Walk to John Morgan Building, Reunion Auditorium

10:30am-12:45pm  Demonstration Dissections  
Richard Harvey, MD  
Ray Sacks, MD

12:45-1:00pm  Walk to Smilow Center

PENN RESIDENTS ONLY (OTO & NSG)

7:30-12:45pm  Hands-On Laboratory  
Stemmler Hall  
LAB FACULTY: Rakesh Chandra, MD; Alexis H. Jackman, MD; Jivianne Lee, MD; Jayakar Nayak, MD, PhD; Christopher Rassekh, MD; Jeremy T. Reed, MD; Mark D. Rizzi, MD; Michael B. Siegel, MD; Jeffrey Suh, MD; Lawrence W. C. Tom, MD; Calvin Wei, MD; Kevin C. Welch, MD

1:00–2:00pm  LUNCH and Exhibit Viewing

SKULL BASE LECTURES

2:00-2:20pm  Endoscopic Approaches to Anterior Cranial Base Surgery  
Ricardo Carrau, MD

2:20-2:40pm  Endoscopic Resection of Sino-Nasal Malignancy  
James N. Palmer, MD

2:40-3:00pm  Past, Present & Future of Skull Base Surgery  
John Y. K. Lee, MD

3:00-3:10pm  Endoscopic Pediatric Skull Base Surgery  
Phillip B. (Jay) Storm, MD

3:10-3:25pm  Imaging of Nasoseptal Flap Reconstruction  
Kim O. Learned, MD

3:25-3:40pm  Imaging Patterns of Sinonasal Neoplasia  
Laurie Loevner, MD

3:40-4:00pm  Imaging of Central Skull Base Pathology  
Laurie Loevner, MD

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

PENN DISTINGUISHED SKULL BASE PROFESSORSHIP

4:30-5:15pm  Ricardo Carrau, MD

5:15-6:00pm  Marvin Bergsneider MD

6:00-6:15pm  Recognition of Skull Base Professors

RHINOLOGY/SKULL BASE SINGLE LAB (BLUE GROUP)

2:00-2:15pm  Walk to Stemmler Hall

2:10–6:15 PM  Hands-On Laboratory  
Stemmler Hall  
LAB FACULTY: Robert Adelson, MD; Rakesh Chandra, MD; Satish Govindaraj, MD; Alexis H. Jackman, MD; James Kearney, MD; Jivianne Lee, MD; John Lee, MD; Jayakar Nayak, MD, PhD; Vijay Ramakrishnan, MD; Christopher Rassekh, MD; Jeremy T. Reed, MD; Mark D. Rizzi, MD; Michael B. Siegel, MD; Jeffrey Suh, MD; Lawrence W. C. Tom, MD; Calvin Wei, MD; Kevin C. Welch, MD; Bradford Woodworth, MD

SATURDAY, MARCH 8, 2014

6:45-7:15am  Continental Breakfast and Exhibit Viewing  Smilow Commons

7:15-7:30am  Walk to John Morgan Building, Reunion Auditorium

7:30-9:00am  Demonstration Dissection  
Ricardo Carrau, MD

9:00am  Lecture Only and Blue Lab Group Adjourned

9:00-9:15am  Red Lab Group (Double Lab) walk to Stemmler Hall

Combined Rhinology/Skull Base and Rhinoplasty Participants walk to Smilow Center

RHINOLOGY/SKULL BASE DOUBLE LAB

RED GROUP

9:15-12:15am  Hands-On Laboratory  
Stemmler Hall  
LAB FACULTY: All

12:15-12:30pm  Walk to Smilow Center

12:30-1:15pm  LUNCH (Smilow Commons)

1:15-1:30pm  Walk to Stemmler Hall

1:30-5:00pm  Hands-On Laboratory  
Stemmler Hall  
LAB FACULTY: All

5:00pm  Red Group Adjourned
Target Audience
This course is designed for practicing clinicians and scientists as well as residents with an interest in rhinology and rhinoplasty. It is also intended for nursing staff involved with the care of patients with nasal problems.

Course Overview
This course will cover valuable information for general otorhinolaryngologists as well as those focusing their practice on rhinology or facial plastic surgery. Plan to attend and learn what the experts recommend for the most difficult problems as well as the most common conditions. Earn CME credit while engaging with distinguished faculty who provide broad perspectives to this comprehensive program.

Topics to be covered by the experts and by attendee discussion include: Evaluation and analysis of the nose; basic and advanced nasal anatomy; functional and aesthetic nasal surgery; nasal valve surgical techniques; treatment of surgical failures; pre-operative planning for safe airway and cosmetic facial plastic surgery; maximizing success in nasal airway surgery and functional septorhinoplasty; complications in airway, and facial plastic surgery; tips and pearls for rhinoplasty and other facial plastic procedures; prevention and management of rhinoplasty complications; understanding terms and uses of grafts in rhinoplasty. In addition to lectures and discussion with audience participation, attendees may actively participate in a laboratory dissection session.

Objectives
Upon completion of the course participants should be able to:
• Formulate a rationale for patient selection for medical management and surgical treatment of nasal obstruction and nasal deformity
• Define surgical nasal anatomy to insure safety in septorhinoplasty. Assess nasal valve deformities and prescribe their surgical corrections
• Describe the latest concepts and techniques in functional and cosmetic nasal surgery
• Analyze the nose and face, and consider the aesthetic ideals as they pertain to the nose
• Identify appropriate candidacy for successful septorhinoplasty
• Describe how to avoid complications in rhinoplasty

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

Designation of Credit
The Perelman School of Medicine at the University of Pennsylvania designates this live activity for a maximum of 12.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

• Rhinoplasty Lecture Only: 8.5 credits • Rhinoplasty Lecture and Lab: 12.5 credits

Course Registration
It is strongly recommended that you register early for this program. Laboratory registration is limited due to the number of stations in the hands-on laboratory.
All registrations will be confirmed via email. If you do not receive confirmation please email Cathy.Lafferty@uphs.upenn.edu or phone at 215-349-5382.

Early Registration Discount
The following registration rates apply to all registration payments received by January 15, 2014. After that date all fees increase by $100.

Early Registration Fees
• RHINOPLASTY LECTURE ONLY
$700 Physicians, $300 Residents
• RHINOPLASTY LECTURE AND LAB
$1100 Physicians, $600 Residents

Course tuition fees include continental breakfast each day, lunch on Saturday, refreshment breaks, and all course and laboratory (if applicable) materials. Nurses, physician assistants, and other allied health care professional may register at the Resident rate.
SPECIAL DISCOUNT FOR THOSE WHO REGISTER FOR BOTH THE RHINOLOGY AND FRONTAL SINUS WITH SKULL BASE FORUM AND PROFESSORSHIP (AS PART OF THE PENN INTERNATIONAL RHINOLOGY AND SKULL BASE COURSE) AND THE PENN RHINOPLASTY COURSES WITH LAB.

See the registration form or online registration site for details. The Rhinology & Frontal Sinus w/Skull Base Lecture Only and Lecture and single Lab (Blue Group) schedules have been designed to accommodate those who wish to attend BOTH courses. However, on Saturday morning participants will choose to attend EITHER the Rhinology demonstration dissections OR the Rhinoplasty lectures, from 7:30–9:30 am.  

SATURDAY, MARCH 8, 2014

7:00-7:45am Course Registration, Continental Breakfast and Exhibit Viewing Smilow Commons
7:45-8:00am Welcome/Announcements
8:00-8:15am Nasal Airway Physiology
8:15-8:30am Nasal Analysis and Surface Anatomy
8:30-8:45am Surgical Anatomy of the Nose
8:45-9:00am Surgical Incisions and Incision Terminology
9:00-9:15am Basic and Advanced Septoplasty Techniques
9:15-9:30am The Nasal Valve
9:30-9:45am My Approach to Functional Nasal Surgery
9:45-10:00am The Art of Rhinoplasty Consultation and Patient Selection
10:00-10:30am BREAK and Exhibit Viewing
10:30-10:45am Tip Position: How I Set Rotation and Projection
10:45-11:00am Tip Refinement
11:00-11:15am Dorsal Modifications
11:15-11:25am Osteotomies
11:25-11:35am Alar Base Narrowing
11:35-12:00pm External Rhinoplasty: Step by Step and Personal Philosophy
12:00-12:30pm Endonasal Rhinoplasty: Step by Step and Personal Philosophy
12:30-1:30pm LUNCH and PANEL DISCUSSION Nasal Analysis and Surgical Approaches
1:30-1:45pm Lessons Learned: How to Become an Expert in Rhinoplasty
1:45-2:00pm Management of the Crooked Nose
2:00-2:20pm Rib Grafts in Rhinoplasty
2:20-2:35pm Pitfalls in Tension Nose Deformity
2:35-2:55pm Endonasal Rhinoplasty: My Personal Philosophy
2:55-3:15pm External Rhinoplasty: My Personal Philosophy
3:15-3:30pm Lessons Learned in Endonasal Rhinoplasty
3:30-4:00pm BREAK and Exhibit Viewing
4:00-4:20pm Pearls and Pitfalls in Rhinoplasty
4:20-5:30pm Expert Panel Discussion: Rhinoplasty Complications and Challenging Cases
5:30pm Rhinoplasty Lecture Only Participants Adjourned

SUNDAY, MARCH 9, 2014

8:00am-12:00pm Hands-On Laboratory (Stemmler Hall) Participants will engage in guided cadaver dissection to include septoplasty, nasal grafts, endonasal rhinoplasty, external rhinoplasty, osteotomy, nasal reconstruction
12:00pm Adjourned
General Information

Smilow Center for Translational Research
3400 Civic Center Boulevard, Philadelphia PA, 19104

The course director are pleased to announce that in 2014 they will be bringing this annual program “home” to Penn. While live surgery, demonstration dissections and hands-on labs have always been presented on the Penn campus, lectures have traditionally been held at a local hotel; however, with the completion of the Smilow Center for Translation Research (SCTR) there is now lecture space within the Perelman School of Medicine large enough to accommodate the entire program.

A prominent silhouette in the Philadelphia skyline, the 531,000 square-foot, state-of-the-art Smilow Center was described as “the envy of the nation’s most prestigious research scientists,” by National Institutes of Health (NIH) Director Francis S. Collins, MD, PhD, at the building’s 2011 dedication. The building flanks two of Penn’s outpatient-care facilities: the Ruth and Raymond Perelman Center for Advanced Medicine, home of the Abramson Cancer Center, and the Roberts Proton Therapy Center.

SCTR’s Arthur H. Rubenstein Auditorium is an excellent facility, perfectly suited for this annual conference. The hi-tech auditorium, which seats 240, features live Mediasite web streaming and recording, IP videoconferencing and teleconferencing, multiple microphones built-in for panel discussions, and Mac, PC and laptop connections at the podium. The piece de résistance of the venue is the Christie® MicroTiles™ video wall located just outside the auditorium, which can be used to display presentations happening in the lecture hall.

The Smilow Center for Translational Research (SCTR) Commons area is ideal for exhibit viewing and dining. It also provides an informal space for faculty and participants to gather. With the video wall located here you won’t have to miss a thing!

Hotel Accommodations at The Inn at Penn
3600 Sansom Street, Philadelphia, PA 19141
Phone: 215-222-0200

The Inn at Penn is a AAA Four Diamond Hilton Hotel located in the University City section of Philadelphia on the University of Pennsylvania campus. All beautifully appointed rooms are equipped with telephones, voice mail, complimentary high speed and wireless Internet access and a spacious work desk, creating a “virtual office” for the business traveler. Each room features a large screen television, and a refrigerator for your convenience. Stay active during your stay in the fully equipped fitness center with Fitness by Precor. Dine on authentic Italian cuisine and homemade pasta created by dedicated chefs at the hotel’s award-winning Penne Restaurant and Wine Bar. Other great restaurants, museums, and entertainment and shopping options are all within walking distance of the hotel.

Getting in and out of the city is easy. The Inn at Penn is six blocks from Amtrak’s 30th Street Station and only 8 miles/20 minutes from the Philadelphia International Airport. SEPTA (Philadelphia’s mass transit system) has several stops within two blocks of The Inn. Valet parking is available from the hotel entrance located on Sansom Street for a fee of $39 per day, with in/out privileges (rates subject to change). Alternatively, self-parking is available nearby at the 38th and Walnut Street Garage.

For driving directions and other hotel information, please visit the website: http://www3.hilton.com/en/hotels/pennsylvania/the-inn-at-penn-a-hilton-hotel-PHLIDHH/index.html.

Rooms are available Wednesday, March 5, 2014 through Saturday, March 8, 2014 at a special rate of $210.00 per night plus tax (currently 15.2%). Reservations may be made directly online at: http://www.hilton.com/en/hi/groups/personalized/P/PHLIDHH-PRR-20140305/index.jhtml?
Please book your room before Friday, January 31, 2014. After the cutoff date, reservations will be accepted on a space and rate availability basis only.

University of Pennsylvania Museum of Archaeology and Anthropology
3260 South Street, Philadelphia, PA 19104

The PENN Distinguished Skull Base Professor Reception and Casino Night will be held at The University of Pennsylvania Museum of Archaeology and Anthropology! Referred to as the Penn Museum, it was founded in 1887, when the University agreed to send out a first expedition to the site of Nippur in modern-day Iraq. Since then this active museum and research institution has been exploring cultures through time and across continents and sharing the adventure with the public. The beautiful historic building is one of Philadelphia’s premier unique venues, a 300,000 square-foot gem with exterior details including glass mosaics by the Tiffany Glass Company, sculptures by Alexander Stirling Calder, and marble medallions by John Ross of New York City.

The Chinese Rotunda, one of the largest unsupported masonry domes in the World, houses a collection of Chinese monumental art that spans thousands of years. On Thursday evening, March 6, 2014, the Rotunda will provide the setting for the course reception, offering an unparalleled event experience! Guests will be free to wonder all of the galleries on the Museum’s third floor, adjacent to the Rotunda:

- The Canaan and Israel Exhibition holds a sampling of the Penn Museum’s nearly 25,000 artifacts from the area that encompasses modern Israel, the West Bank and Gaza, Jordan and Lebanon, and parts of Syria, the largest collection of artifacts from this region.
- The Buddhist Asia and Japan Galleries trace Buddhism from its origins in India, through its development along ancient land and sea routes into Central Asia, Southeast Asia, Tibet, China, and Japan. Completed in 1915, the Chinese Rotunda houses one of the finest collections of monumental Chinese art in the country, covering some 4,000 years of Chinese history.
- The Egypt (Mummies) Gallery displays carved reliefs, stone coffins, and three-dimensional sculpture that testify to the superb craftsmanship of Egyptian artists and sculptors throughout that country’s long history. Explore human and animal mummies, tomb artifacts, and funerary objects and materials used in the mumification process. Learn about the ancient Egyptian belief in an afterlife, and the complex funerary practices they developed over thousands of years.
**Upcoming and Ongoing Events**

### 21st Annual Advances in Diagnosis and Treatment of Sleep Apnea and Snoring*
**February 11-16, 2015**  
**Disney Grand Floridian Resort, Orlando, Florida**

We are going back to the Grand Floridian! This annual course, designed to provide a comprehensive review and update of recent advances in sleep apnea and snoring, is intended for physicians 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, will assemble a distinguished faculty, all leaders in their fields of sleep medicine, who will share their medical and surgical expertise. New approaches and controversies in the management of patients with sleep-disordered breathing will be highlighted. Optional break-out sessions will also be offered. Registration opens September 2014.

### 2ND Annual PGY3 ORL SimFest
**April 26, 2014**  
**Penn Medicine Clinical Simulation Center, Philadelphia, PA**

This one-day program is intended for PGY3 ORL Residents, providing the opportunity to hone cognitive and psychomotor skills. Training includes simulation-based educational activities and hands-on practice of surgical skills. The state-of-the-art Sim Center also offers the chance to simulate complex medical scenarios using high technology manikins, focusing on appropriate management and interactions with colleagues and family. Course Directors: James Kearney, MD, Perelman School of Medicine at the University of Pennsylvania; Ellen Deutsch, MD and Luv Javia, MD, Children’s Hospital of Philadelphia; Sonya Malekzadeh, MD, Georgetown University; and Kelly Malloy, MD, University of Michigan.

### 7th International Update Course: Otolaryngology Underwater*
**November 2015**

Come join us 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. are planning another excellent program to review and update recent advances in many subspecialty areas in the field. Distinguished faculty from around the world will be featured. Location TBA; more information and registration coming soon!

### Visiting Mini Fellowship in Endoscopic Sinus 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, Dr. James Palmer, and Dr. Nithin Adappa 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.

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*The Perelman School of Medicine at the University of Pennsylvania is accredited by the Accreditation Council for Continuing Medical Education (ACME) to provide continuing medical education for physicians. These activities are approved for AMA PRA Category 1 Credits™.*
**Meeting Registration Form**

**Tuition Fees**

Early Registration Special! The following special rates are in effect until January 15, 2014 only! After January 15, 2014 all rates increase by $100.

**PENN International Rhinology and Skull Base Course • March 6-8, 2014**

**TUITION FEES:** (Please check one)

- **LECTURE ONLY**
  - $900 Physicians
  - $700 Residents*

- **LECTURE & SINGLE LAB - BLUE GROUP**
  - $1650 Physicians
  - $1300 Residents*

- **LECTURE & DOUBLE LAB - RED GROUP**
  - $2150 Physicians
  - $1700 Residents*

*Residents are required to submit a verification letter from their department for the reduced fee. Nurses, physician’s assistants, and other allied health care professionals may register at the Resident rate.

**COURSE RECEPTION ** • Thursday, March 6, 2014 at The Penn Museum 7:00-10:00pm

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

- YES
- NO (Free for all course participants)

**PENN Rhinoplasty Course • March 8-9, 2014**

**TUITION FEES:** (Please check one)

- **LECTURE ONLY**
  - $700 Physicians
  - $300 Residents*

- **LECTURE & LAB (SUNDAY AM)**
  - $1100 Physicians
  - $600 Residents*

*Residents are required to submit a verification letter from their department for the reduced fee. Nurses, physician’s assistants, and other allied health care professionals may register at the Resident rate.

**Special Discounted Rate for Combined Registration • March 6-9, 2014**

**RHINOLOGY LECTURE & SINGLE LAB, BLUE GROUP (Friday PM)**

- $2350 Physicians
- $1500 Residents*

**RHINOPLASTY LECTURE & LAB (Sunday AM)**

- $2150 Physicians
- $1700 Residents*

*Residents are required to submit a verification letter from their department for the reduced fee. Nurses, physician’s assistants, and other allied health care professionals may register at the Resident rate.

**COURSE RECEPTION ** • Thursday, March 6, 2014 at The Penn Museum, 7:00-10:00pm

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

- YES
- NO (Free for all course participants)

**Payment Method**

**TOTAL PAYMENT:** $ ________________

- Check Enclosed

  Payable to Trustees of the University of Pennsylvania
  (US dollars drawn on a US Bank)

  No credit card payments accepted by mail; credit card payment accepted online only.

LAB SPACE LIMITED – AVAILABLE ON A FIRST COME BASIS. REGISTER EARLY TO SECURE A SPOT!

**2 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. Online payment options include credit card, check and wire transfer.

2. Mail Registration Form and Check Payment to: University of Pennsylvania, Hospitality Services, Attn: International Rhinology/Rhinoplasty Course, 3702 Spruce Street, Stouffer Commons, Philadelphia, PA 19104

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.
PENN International Rhinology and Skull Base Course
March 6-8, 2014

PENN Rhinoplasty Course
March 8-9, 2014

Smilow Center for Translational Research
Philadelphia, PA

REGISTER EARLY!

For more information:
Cathy Lafferty, Department of Otorhinolaryngology - Head and Neck Surgery
Phone: 215-349-5382 • Fax: 215-662-4515
Email: cathy.lafferty@uphs.upenn.edu
Website: http://www.uphs.upenn.edu/pennorl