Endoscopic Sinus and Skull Base Surgery 2013

Scottsdale, Arizona
April 3-6, 2013

Guests of Honor:
Prof. Heinz Stammberger (Austria)
Prof. Piero Nicolai (Italy)

Honored National Faculty:
Anne E. Getz, MD
Peter H. Hwang, MD
Juan Fernandez-Miranda, MD
Carl H. Snyderman, MD
James A. Stankiewicz, MD

Course Director:
Devyani Lal, MD

Mayo Clinic and Arizona Faculty:
Stephen F. Bansberg, MD
Timothy W. Haegen, MD
Michael L. Hinni, MD
Joseph M. Hoxworth, MD
Erin K. O’Brien, MD
John F. Pallanch, MD
Naresh P. Patel, MD
Ryan M. Rehl, MD

New: 3D Endoscopic Anatomy
Featuring Lab Dissection | Live Prosection
www.mayo.edu/cme/otorhinolaryngology
COURSE HIGHLIGHTS

“Endoscopic Sinus and Skull Base Surgery 2013” is our second state-of-the-art course designed for otolaryngologists and endoscopic skull base surgeons. The curriculum will focus on inflammatory sinus disease on April 3-4, highlighting advanced, salvage and novel treatment strategies. Endoscopic skull base surgery will be the focus April 5-6. The curriculum is designed to introduce the novice surgeon to basic techniques, and provide advanced training for the more experienced surgeon. Hands-on dissection sessions will be conducted in our world-class laboratory with fresh frozen cadavers, powered instrumentation and image guidance.

Letters of invitation will be provided upon request.

COURSE LEARNING OBJECTIVES

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

• Describe the pathophysiology and evidence based management of chronic rhinosinusitis and skull base pathology

• Apply techniques to aid in performance of safe and endoscopic sinonasal surgery even in challenging situations

• Identify anatomy and fundamental techniques in expanded endonasal endoscopic techniques for skull base pathology

INTENDED AUDIENCE

Practicing otolaryngologists, neurological surgeons, residents, fellows-in-training and allied health professionals in otolaryngology (PAs, NPs).

DISCLAIMER

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

GRANTS/EXHIBITS

This course is supported in part by educational grants, in accordance with ACCME standards.

As of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the meeting. Exhibits will be available for viewing at most scheduled breaks.

CREDIT

College of Medicine, Mayo Clinic, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

College of Medicine, Mayo Clinic, designates this live activity for a maximum of 34.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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

MEETING LOCATION & ACCOMMODATIONS

Mayo Clinic Education Center is located on the Mayo Clinic Hospital campus at 5777 East Mayo Blvd. Phoenix Arizona, 85054 (4 miles from the Westin Kierland and walking distance to Residence Inn). Transportation will be provided from the Education Center to the dissection lab at Mayo Clinic Center for Procedural Innovation in Scottsdale.

Westin Kierland Resort

The Resort is located at 6902 East Greenway Parkway, Scottsdale Arizona 85254. Call (480) 624-1000 or (800) 354-5892 for reservations or visit the website at www.kierlandresort.com

A block of rooms is being held at the rate of $259.00. The Westin Kierland Resort is a AAA Four Diamond Resort features a full-service spa, championship golf, award winning dining and upscale shopping. Kierland Commons is a wealth of restaurants, sidewalk shops and lively night life walking distance to the resort.

Residence Inn Phoenix Desert View at Mayo Clinic

The Inn is located at 5665 East Mayo Boulevard, Phoenix, Arizona 85054. Call (800) 331-3131 for reservations. Rate $179.

RECREATION ACTIVITIES

Visit www.visithphoenix.com or www.scottsdalecvb.com for additional recreation and leisure activities.

TRANSPORTATION

Ground Transportation: Hertz is offering a reduced daily rate for participants attending the course. Call (800) 654-2240 and refer to CV Number #03NR0008 when making reservations. Supershuttle vans offer airport transportation to and from the hotel. To make reservations, call (800) 258-3826 or (602) 244-9000.
April 3, 2013

7:00 a.m.  Registration and Breakfast
7:40  Chairman’s Address ................................. Richard E. Hayden, M.D.
Welcome and Pre-Test ................................. Devyani Lal, M.D.
8:00  Evolution of (f)ESS – Past, Present and Future ................................. Prof. Heinz Stammberger
8:45  Surgical Anatomy of the Paranasal Sinuses ................................. Devyani Lal, M.D.
9:30  Radiology of the Paranasal Sinuses: Anatomy and Pathognomonic Features of Inflammatory Diseases ................................. Joseph M. Hoxworth, M.D.
10:00  Break
10:15  Pathophysiology of Chronic Rhinosinusitis (CRS) ................................. Erin K. O’Brien, M.D.
10:45  Classification of CRS (AFS, Samter’s, Polyps, Granulomatous Disease) ................................. Timothy W. Haegen, M.D.
11:15  Medical Therapy in CRS: Current State and Emerging Directions ................................. Devyani Lal, M.D.
11:45  Topical Medical Therapy for CRS ................................. Ryan M. Rehl, M.D.
12:15 p.m.  Lunch
1:00  Peri-Operative Medical Management ................................. Erin K. O’Brien, M.D.
1:30  Biomaterials, Stents and Spacers in CRS Management ................................. Peter H. Hwang, M.D.
2:00  Panel Discussion:
Medical Therapy for Chronic Sinusitis: From Simple to Samters
Moderator: Peter H. Hwang, M.D.
Panel: Drs. Getz, Haegen, O’Brien, Pallanch, Rehl and Stankiewicz
2:30  Common Medico-Legal Issues in Rhinology ................................. James A. Stankiewicz, M.D.
3:00  Break
3:15  A Masters Perspective: How to Make a Tough Case Easier (Interpreting CT and MRI) ................................. Prof. Heinz Stammberger
3:45  Primary Endoscopic Sinus Surgery ................................. Anne E. Getz, M.D.
4:15  3D CT Reconstruction for ESS ................................. John F. Pallanch, M.D.
4:45  Anatomy and Execution of Primary Frontal Sinus Surgery ................................. Peter H. Hwang, M.D.
5:15  Panel Discussion:
Common Causes of Failure of Primary Sinus Surgery, and Optimizing Outcomes
Moderator: Devyani Lal, M.D.
Panel: Drs. Hwang, Nicolai, Pallanch, Stammberger and Stankiewicz
6:00  Reception

April 4, 2013

7:00 a.m.  Breakfast
7:30  Complications in ESS and Their Management ................................. James A. Stankiewicz, M.D.
8:00  Revision Sinus Surgery: Maxillary (Mega and CWL) ................................. Peter H. Hwang, M.D.
8:30  Techniques in Revision Frontal Sinus Surgery ................................. Devyani Lal, M.D.
9:00  Balloon Sinusotomy: Technique, Evidence and Indication ................................. John F. Pallanch, M.D.
9:30  Panel Discussion: Selection of Approach in Frontal Sinus Surgery
Moderator: Anne E. Getz, M.D.
Panel: Drs. Bansberg, Hwang, Nicolai, Pallanch, Stammberger and Stankiewicz
10:00  Break

ENDOSCOPIC TECHNIQUES: HOW I DO IT

10:15  Identifying and Closing CSF-Leaks – From Minor to Major ................................. Prof. Heinz Stammberger
10:45  Endoscopic SPA Ligation ................................. Anne E. Getz, M.D.
11:10  Endoscopic DCR ................................. John F. Pallanch, M.D.
11:30  Endoscopic Septoplasty and Inferior Turbinate Reduction ................................. Peter H. Hwang, M.D.
Noon  Closure of Septal Perforations ................................. Stephen F. Bansberg, M.D.
12:30 p.m.  Lunch (for all participants)
Transportation to Center for Procedural Innovation (for lab participants only)
1:30  Prosection with Prof. Heinz Stammberger
Moderator: Dr. Stephen F. Bansberg
(Live feed from lab to the Education Center for observation by non-lab participants)
Lab Moderators: Drs. Getz, Hwang, Lal, Nicolai, O’Brien, Pallanch and Stankiewicz
5:30  Adjourn
April 5, 2013

7:00 a.m. Registration and Breakfast
7:40 Welcome and Pre-Test .......................... Devyani Lal, M.D.
8:00 Establishing an Endoscopic Skull Base Surgery Program ... Carl H. Snyderman, M.D.
8:30 Principles in Endoscopic Skull Base Surgery .................. Prof. Piero Nicolai
9:00 Choosing the Best Approach in 3D Endoscopic Skull Base Surgery ................. Juan Fernandez-Miranda, M.D.
9:30 Panel Discussion: Disease Specific Management of Skull Base and Sino-Nasal Tumors
Moderator: Anne E. Getz, M.D.
Panel: Drs. Hinni, Hwang, Fernandez-Miranda, Nicolai, Snyderman and Stammberger
10:00 Break
10:15 3D Endoscopic Anatomy: Anterior Skull Base .......... Juan Fernandez-Miranda, M.D.
10:45 Endoscopic Anterior Craniofacial Resection Technique .......... Prof. Piero Nicolai
11:15 Endoscopic Orbital and Optic Nerve Decompression .......... Devyani Lal, M.D.
11:45 Endoscopic Transnasal Intraorbital Surgery .................. Prof. Heinz Stammberger
12:15 p.m. Lunch
1:00 3D Endoscopic Anatomy: Sellar and Para-sellar Regions .......... Juan Fernandez-Miranda, M.D.
1:30 Endoscopic Approach to Pituitary and Sellar Tumors .......... Peter H. Hwang, M.D.
2:00 Endoscopic Approach to Suprasellar Tumors,
Pituitary Transposition ................................ Carl H. Snyderman, M.D.
2:30 Parasellar Dissection (Cavernous Sinus and ICA Anatomy) .......... Prof. Piero Nicolai
3:00 Break
3:15 3D Endoscopic Anatomy: Posterior Skull Base and Spine .......... Juan Fernandez-Miranda, M.D.
3:45 Endoscopic TransspHENoidal Approach to Clival Lesions .......... Devyani Lal, M.D.
4:15 Endoscopic Transnasal Approaches to the Posterior Fossa and Upper Cervical Spine .......... Carl H. Snyderman, M.D.
5:15 Reconstruction of Dural Defects .................. Carl H. Snyderman, M.D.
6:00 Reception

April 6, 2013

7:00 a.m. Breakfast
7:30 3D Endoscopic Anatomy: Central Skull Base .......... Juan Fernandez-Miranda, M.D.
8:00 Endoscopic Medial Maxillectomy .......................... Anne E. Getz, M.D.
8:30 Approach to Lesions of PPF, ITF and Transpterygoid Dissection ....................... Peter H. Hwang, M.D.
9:00 Endoscopic Nasopharyngectomy .................. Prof. Piero Nicolai
9:30 Endoscopic Endonasal (TransspHENoidal and InfrapETrous) Approaches to the Petrous Apex .......... Carl H. Snyderman, M.D.
10:00 Break
10:15 Hemostasis During Endoscopic Skull Base Surgery .......... Carl H. Snyderman, M.D.
10:45 Vascular Complications:
Avoidance and Management of Bleeding .................. Prof. Heinz Stammberger
11:15 Neurosurgical Limitations/Complications in Endoscopic Skull Base Surgery ............. Naresh P. Patel, M.D.
11:45 Panel Discussion:
Avoidance and Management of Complications in Endoscopic Skull Base Surgery
Moderator: Peter H. Hwang, M.D.
Panel: Drs. Fernandez-Miranda, Nicolai, Patel, Snyderman and Stammberger
12:15 p.m. Lunch (for all participants)
Transportation to Center for Procedural Innovation (for lab participants only)
1:30 Prosection with Profs. Piero Nicolai and Carl H. Snyderman
(Live feed from lab to the Education Center for observation by non-lab participants
Moderator: Anne E. Getz, M.D.
Lab Moderators: Drs. Fernandez-Miranda, Lal, Pallanch, Nicolai, O’Brien and Snyderman
5:30 Adjourn
MAYO CLINIC FACULTY

Stephen F. Bansberg, M.D.
Michael L. Hinni, M.D.
Joseph M. Hoxworth, M.D.
Devyani Lal, M.D.
Erin K. O’Brien, M.D.
John F. Pallanch, M.D.
Naresh P. Patel, M.D.

COURSE DIRECTOR

Devyani Lal, M.D.
Mayo Clinic Arizona

GUEST FACULTY

Juan Fernandez-Miranda, M.D.
University of Pittsburgh
Anne E. Getz, M.D.
Washington University
Timothy W. Haegen, M.D.
Arizona Sinus Center
Peter H. Hwang, M.D.
Stanford University
Professor Piero Nicolai
University of Brescia
Brescia, Italy
Ryan M. Rehl, M.D.
Arizona Sinus Center
Professor Heinz Stammberger
Medical University of Graz
Graz, Austria
James A. Stankiewicz, M.D.
Loyola University
Carl H. Snyderman, M.D.
University of Pittsburgh

FACULTY DISCLOSURE:

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

Endoscopic Sinus and Skull Base Surgery 2013
April 3-6, 2013

Registration at the standard fee may be completed using this form and faxing it to (480) 301-9176. Or you can mail it to: Mayo Clinic, Mayo School of CPD, 13400 East Shea Boulevard, Scottsdale, Arizona 85259.

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

No refund will be granted unless a written notice of cancellation is received. If registration must be canceled, tuition less a $75 administrative fee, will be refunded when notification is received on or before March 20, 2013. No refunds will be made after this date.

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

ONLINE SYLLABUS: Your registration fee includes access to a detailed online syllabus, emailed one week prior to the course. This allows you to view, save, or print the syllabus before attending the course. If you want to order a paper copy (additional fee), check the box at the bottom of this registration form.

Your type of practice:  
- Solo  
- Group  
- University  
- Resident/Fellow  
- Retired  
- Other: ________

Years in practice:  
- 0-4  
- 5-10  
- 11-15  
- 16-25  
- > 25

Course Registrant List (Check only if you want your name removed)
- I do not want information (e.g., name, degree, city, and state) to appear on course registrant list provided upon request to registrants, grantors, and exhibitors, but not guests.

Registration

<table>
<thead>
<tr>
<th>Name of Registrant – first, middle, and last name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Degree/Certification</td>
<td>Medical Specialty</td>
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<td>Preferred mailing address is: (select one)</td>
<td>Work/Business</td>
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$200 DISCOUNT FOR ONLINE REGISTRATION! (excludes lecture only and resident registration fees)

Letters of invitation will be provided upon request.

Go to www.mayo.edu/cme/otorhinolaryngology (offer expires March 4, 2013)

Note: When registering online, please be sure to “check-out” after your profile is updated.

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<tr>
<th>Item</th>
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<tbody>
<tr>
<td>Sinus Lecture &amp; Lab (does not apply to lecture only and resident fees)</td>
<td>$1,875</td>
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<tr>
<td>Resident and Allied Health</td>
<td>$1,475</td>
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<tr>
<td>Sinus Lecture Only</td>
<td>$700</td>
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<tr>
<td>Skull Base Lecture &amp; Lab (does not apply to lecture only and resident fees)</td>
<td>$1,875</td>
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<tr>
<td>Resident and Allied Health</td>
<td>$1,475</td>
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<tr>
<td>Skull Base Lecture Only</td>
<td>$700</td>
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<tr>
<td>Sinus &amp; Skull Base Lecture &amp; Labs</td>
<td>$2,850</td>
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<tr>
<td>Reception – Sinus Section (Day 1)</td>
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<td>Reception – Skull Base Section (Day 3)</td>
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<tr>
<td>Paper copy of the Sinus Syllabus</td>
<td>$45</td>
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<tr>
<td>Paper copy of the Skull Base Syllabus</td>
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Note: Due to printing deadlines, this option will not be available after March 20, 2013

Payment Information

(US Funds Only)

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<tr>
<td>Check is enclosed in the amount shown at right – make checks payable to Mayo Clinic CPD</td>
<td>Payment Total</td>
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<tr>
<td>Credit Card (select one)</td>
<td>Account Number</td>
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<td>Discover</td>
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Signature | Date