Microneurosurgical and Endoscopic Approaches to the Skull Base

December 11-13, 2014
Phoenix, Arizona

Registration form:
www.thebarrow.org/Conferences_And_Symposia/index.htm
The Barrow Neurological Institute Division of Neurological Surgery announces the Annual Robert F. Spetzler MD and Albert L. Rhoton Jr. MD Neurosurgery Course. They, along with invited guest, Evandro de Oliveira MD, and BNI faculty will lead a didactic-practical course in neurosurgical approaches and anatomy combined with clinical correlation of cerebrovascular and brain tumor management in the same regions. This course is designed for Neurosurgeons, Residents, and Fellows with emphasis on microneurosurgery and endoscopic techniques. The course will address surgical anatomy, surgical approaches and strategies, and clinical review. It is a full 3-day course designed with intense instruction and discussion for 24 participants. Didactic instruction will feature 3D and digital video microanatomy, recorded surgery, and correlated discussion for cerebrovascular and tumor pathology. The clinical information will be used to make the anatomical education come alive. Exquisitely preserved cadaver tissue with vascular injection will provide the platform for dissections led by a master station with the head faculty as mentors. Each station will have top of the line instrumentation including microscopes, and endoscopes.

Objectives:
- Become intimately familiar with microneurosurgical anatomy for anterior, lateral, and posterior cranial surgical approaches;
- For selected anatomical regions, learn appropriate visualization, technique, and approaches for endoscopic neurosurgery at the skull base;
- Correlate clinical pathological information with the corresponding anatomic region;
- Combine anatomy and pathology information into decision-making for surgical approach selection;
- Explore choices between extended endoscopic visualization versus open surgical technique;
- Practice endoscopic and surgical approaches utilizing image guidance assistance with applied knowledge from didactic and discussion sessions on preserved-injected cadaver specimens.

BNI Neurosurgery Research Laboratory
Marion Rochelle Neuroscience Research Center Building

Mark C. Preul, MD, Director

The course will take place at the Neurosurgery Research Laboratory of the Barrow Neurological Institute Division of Neurological Surgery which is a world class education, training, and research facility with a specialization in neurosurgical anatomy. The facility is well-known for exquisite cadaver tissue specimens and features independent surgical stations fully equipped with operating microscopes, suction, irrigation, standard head frames, microsurgical and power instrumentation, 3D surgical projection, high definition flat screens, and fully-trained attendant staff.
General Information

Course Location
Neurosurgery Research Laboratory, Barrow Neurological Institute, St. Joseph’s Hospital 350 West Thomas Road
Phoenix, Arizona 85013

Laboratory Contact Information:
Neurosurgery Research Department: 602-406-3268
Main: 602-406-3000
Pager: 602-746-9342
Fax: 602-406-4153
Email: Candy.Tsang@DignityHealth.org

Approved Accommodations:
Hilton Suites Phoenix
10 East Thomas Road, Phoenix, AZ 85012
602-222-1111
3 blocks from the lab. Hotel shuttle runs between 7:00am – 10:45pm.

Hampton Inn Phoenix-Midtown-Downtown Area
160 W. Catalina Drive, Phoenix, AZ 85013
602-200-0990
Across the street from the lab. Walking distance. No hotel shuttle service.

Fairfield Inn and Suits Phoenix (Marriott)
2520 North Central Avenue
602-716-9900
0.6 miles from the lab. Hotel shuttle runs between 6:00am – 10:00pm.

Holiday Inn Phoenix Convention Center Hotel
212 W Osborn Rd, Phoenix, AZ 85013
602-595-4444
0.6 miles from the lab. No hotel shuttle.

Taxi Contacts:
AAA Yellow Cab: 602-252-5252
Discount Cab: 602-200-2000
Execucar: 800-410-4444

Dinner:
A special course dinner is planned for Friday, December 12, 2014 at 7:30 p.m. Participants, vendors and faculty are welcome to enjoy this special evening at no additional cost. Transportation is offered only from the listed hotels.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am - 7:30 am</td>
<td><em>Continental Breakfast</em></td>
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<tr>
<td>7:30 am - 7:45 am</td>
<td>Welcome</td>
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<tr>
<td>7:45 am - 9:15 am</td>
<td><strong>LECTURES</strong></td>
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<td>3D Anatomy</td>
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<td>Endoscopic Anterior Skull Base Surgery</td>
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<tr>
<td>9:15 am - 9:30 am</td>
<td><strong>Break and move to lab</strong></td>
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<tr>
<td>9:30 am - 12:00 pm</td>
<td><strong>CADAVER DISSECTION</strong></td>
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<tr>
<td></td>
<td>Endoscopic Approaches to Skull Base</td>
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<tr>
<td>12:00 pm - 12:45 pm</td>
<td><strong>Lunch</strong></td>
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<tr>
<td>12:45 pm - 2:20 pm</td>
<td><strong>LECTURES</strong></td>
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<tr>
<td></td>
<td>3D Anatomy</td>
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<td>Orbitozygomatic Approach for Tumors and Vascular Pathology</td>
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<td>Pretemporal Approach for Tumors and Vascular Pathology</td>
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<td>2:20 pm - 2:35 pm</td>
<td><strong>Break and move to lab</strong></td>
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<tr>
<td>2:35 pm - 5:30 pm</td>
<td><strong>CADAVER DISSECTION</strong></td>
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<tr>
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<td>One and Two Piece OZ, Anterior Clinoidectomy, and Exposure of the Basilar Apex</td>
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<td>Time</td>
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<tr>
<td>6:30 am - 7:00 am</td>
<td>Continental Breakfast</td>
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<tr>
<td>7:00 am - 8:30 am</td>
<td>BNI Neurosurgery Conference</td>
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<td>8:30 am - 9:30 am</td>
<td>BNI Neurosurgery Grand Rounds: 3D Anatomy of the Brain</td>
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<tr>
<td>9:30 am - 9:40 am</td>
<td>Break</td>
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<tr>
<td>9:40 am - 10:30 am</td>
<td><strong>LECTURES</strong>&lt;br&gt;Surgery of the Cavernous Sinus, Middle Fossa, and Petrous Bone&lt;br&gt;Surgery of Paraclinoid and Basilar Posterior Aneurysms</td>
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<tr>
<td>10:30 am - 10:40 am</td>
<td>Break and move to lab</td>
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<tr>
<td>10:40 am - 12:30 pm</td>
<td><strong>CADAVER DISSECTION</strong>&lt;br&gt;Peeling Lateral Wall Cavernous Sinus, Middle Fossa Approach to the Internal Acoustic Meatus, Anterior Petrosectomy</td>
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<tr>
<td>12:30 pm - 1:15 pm</td>
<td>Lunch</td>
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<td>1:15 pm - 2:45 pm</td>
<td><strong>LECTURES</strong>&lt;br&gt;3D Anatomy&lt;br&gt;Transtemporal Bone Approaches to Tumors and Vascular Pathology&lt;br&gt;Middle Fossa Approach to Cavernous Sinus Region Tumors</td>
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<td>2:45 pm - 3:00 pm</td>
<td>Break and move to lab</td>
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<tr>
<td>3:00 pm - 5:30 pm</td>
<td><strong>CADAVER DISSECTION</strong>&lt;br&gt;Retrolabyrinthine/Translabyrinthine/Pre-sigmoid Approaches</td>
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**Schedule**
Saturday, December 13, 2014

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<td>3D Anatomy</td>
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<td>Applications of the Retrosigmoid Approach to Tumors and Vascular Pathology</td>
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<td>Infratentorial Supracerebellar Approach to Mesial Temporal Lobe Lesions</td>
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<td>9:15 am - 9:30 am</td>
<td>Break and move to lab</td>
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<tr>
<td>9:30 am - 12:00 pm</td>
<td>Cadaver Dissection Retrosigmoid Approach</td>
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<td>Lunch</td>
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<td></td>
<td>3D Anatomy</td>
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<td></td>
<td>Extreme Lateral Approach for Tumors &amp; Vascular Lesions</td>
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<td>2:45 pm - 3:00 pm</td>
<td>Break and move to lab</td>
</tr>
<tr>
<td>3:00 pm - 5:00 pm</td>
<td>Cadaver Dissection</td>
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<td>Far Lateral Approach and Extreme Lateral Approach, complete any unfinished dissections</td>
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Course Faculty

**Distinguished Senior Faculty**

Robert F. Spetzler, MD  
Director, Barrow Neurological Institute  
J. N. Harber Chair, Division of Neurological Surgery  
Barrow Neurological Institute | Phoenix, Arizona

Albert L. Rhoton Jr., MD  
Professor and Chairman Emeritus  
Department of Neurosurgery  
University of Florida  
Gainesville, Florida

**Course Director**

Dr. Peter Nakaji, MD  
Director, Neurosurgery Residency Program  
Director, Minimally Invasive Neurosurgery  
Barrow Neurological Institute | Phoenix, Arizona

**Special Guest Faculty**

Evandro de Oliveira, MD, PhD  
Professor of Neurosurgery  
State University of Campinas  
Director Instituto de Ciências Neurológicas  
São Paulo, Brazil

**Faculty**

Sepideh Amin-Hanjani, MD  
Nicholas C. Bambakidis, MD  
Oliver Bozinov, MD  
Louis J. Kim, MD  
Ting Lei, MD  
Andrew S. Little, MD  
Sam Safavi-Abbasi, MD  
Hai Sun, MD  
Peter Weisskopf, MD  
Joseph M. Zabramski, MD  
Gregory Zipfel, MD

**Lab Director**

Mark Preul, MD  
Newsome Family Endowed Chair of Neurosurgery Research  
Director, Neurosurgery Research Division of Neurological Surgery  
Barrow Neurological Institute | Phoenix, Arizona

**Course Coordinator**

William Bichard  
Clinical Coordinator  
Barrow Neurological Institute | Phoenix, Arizona

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For more information, e-mail Lindsey.Possehl@DignityHealth.org or call (602) 406-3067.
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