Microneurosurgical and Endoscopic Approaches to the Skull Base

December 3-5, 2015
Phoenix, Arizona

For more information: www.thebarrow.org/Conferences_And_Symposia/
Microneurosurgical and Endoscopic Approaches to the Skull Base

December 3-5, 2015

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 4, 2015 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.
Schedule  
Thursday, December 3, 2015

7:00 am - 7:30 am  *Continental Breakfast*

7:30 am - 7:45 am  Welcome

---

**Endoscopic Approaches to Sella and Skull Base**

7:45 am – 9:15 am  LECTURES
- 3D Anatomy
- Endoscopic Anterior Skull Base Surgery

9:15 am – 9:30 am  *Break and move to lab*

9:30 am - 12:00 pm  CADAVER DISSECTION
- Endoscopic Approaches to Skull Base

12:00 pm - 12:45 pm  *Lunch*

---

**Skull Base and Orbitozygomatic Approach**

12:45 pm - 2:20 pm  LECTURES
- 3D Anatomy
- Orbitozygomatic Approach for Tumors and Vascular Pathology
- Pretemporal Approach for Tumors and Vascular Pathology
- Endoscopic Applications

2:20 pm – 2:35 pm  *Break and move to lab*

2:35 pm - 5:30 pm  CADAVER DISSECTION
- One and Two Piece OZ, Anterior Clinoidectomy, and Exposure of the Basilar Apex, Endoscopic Approaches
# Schedule

**Friday, December 4, 2015**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 am - 7:00 am</td>
<td><em>Continental Breakfast</em></td>
</tr>
<tr>
<td>7:00 am - 8:30 am</td>
<td>BNI Neurosurgery Conference</td>
</tr>
<tr>
<td>8:30 am - 9:30 am</td>
<td>BNI Neurosurgery Grand Rounds: 3D Anatomy of the Brain</td>
</tr>
<tr>
<td>9:30 am - 9:40 am</td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>9:40 am - 10:30 am</td>
<td>LECTURES</td>
</tr>
<tr>
<td></td>
<td>Surgery of the Cavernous Sinus, Middle Fossa, and Petrous Bone</td>
</tr>
<tr>
<td></td>
<td>Surgery of Paraclinoid and Basilar Posterior Aneurysms</td>
</tr>
<tr>
<td></td>
<td>Endoscopic Applications</td>
</tr>
<tr>
<td>10:30 am - 10:40 am</td>
<td><strong>Break and move to lab</strong></td>
</tr>
<tr>
<td>10:40 am - 12:30 pm</td>
<td>CADAVER DISSECTION</td>
</tr>
<tr>
<td></td>
<td>Peeling Lateral Wall Cavernous Sinus, Middle Fossa Approach to the Internal Acoustic Meatus, Anterior Petrosectomy, Endoscopic Approaches</td>
</tr>
<tr>
<td>12:30 pm - 1:15 pm</td>
<td><strong>Lunch</strong></td>
</tr>
<tr>
<td>1:15 pm - 2:45 pm</td>
<td>LECTURES</td>
</tr>
<tr>
<td></td>
<td>3D Anatomy</td>
</tr>
<tr>
<td></td>
<td>Transtemporal Bone Approaches to Tumors and Vascular Pathology</td>
</tr>
<tr>
<td></td>
<td>Middle Fossa Approach to Cavernous Sinus Region Tumors</td>
</tr>
<tr>
<td></td>
<td>Endoscopic Applications</td>
</tr>
<tr>
<td>2:45 pm - 3:00 pm</td>
<td><strong>Break and move to lab</strong></td>
</tr>
<tr>
<td>3:00 pm - 5:30 pm</td>
<td>CADAVER DISSECTION</td>
</tr>
<tr>
<td></td>
<td>Retrolabyrinthine/Translabyrinthine/Pre-sigmoid Approaches, Endoscopic Approaches</td>
</tr>
</tbody>
</table>
Schedule
Saturday, December 5, 2015

7:15 am - 7:45 am  
Continental Breakfast

Retrosigmoid Approach
7:45 am - 9:15 am  
LECTURES
3D Anatomy
Applications of the Retrosigmoid Approach to Tumors and Vascular Pathology
Infratentorial Supracerbellar Approach to Mesial Temporal Lobe Lesions
Endoscopic Applications

9:15 am – 9:30 am  
Break and move to lab

9:30 am - 12:00 pm  
CADAVER DISSECTION
Retrosigmoid Approach, Endoscopic Approaches

12:00 pm - 1:00 pm  
Lunch

Far Lateral Approach
1:00 pm - 2:45 pm  
LECTURE
3D Anatomy
Extreme Lateral Approach for Tumors & Vascular Lesions
Endoscopic Applications

2:45 pm – 3:00 pm  
Break and move to lab

3:00 pm - 5:00 pm  
CADAVER DISSECTION
Far Lateral Approach and Extreme Lateral Approach, Endoscopic Approaches, complete any unfinished dissections
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 Instutito 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

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

Registration Form – Microneurosurgical and Endoscopic Approaches to the Skull Base

Residents — $200.00

Name ______________________________________________________________

Email ______________________________________________________________

Institution _________________________________________________________

Address __________________________________________________________

City ______________________ State_______ Zip ______________

Business Phone__________________________Fax _______________________

Payment

☐ Check or money order payable to: St. Joseph’s Hospital and Medical Center (A $20 charge applies to checks returned for insufficient funds.)

☐ Charge my: ☐ AMEX ☐ VISA ☐ MC ☐ DISCOVER

Card # ____________________________________________________________

Expires ______________________

Printed Name on Card _______________________________________________

I authorize Barrow Neurological Institute to charge the amount determined by the Barrow Neurological Institute as registration fees to my credit card.

Signature __________________________________________________________

On-site registration will be available as seating permits.

Mail or Fax registration form with payment to:
Barrow Neurological Institute
Lindsey Possehl – Conference Planning Office
350 West Thomas Road
Phoenix, Arizona 85013

Charge card registrations can be faxed to 602-294-5028.

For further information, call 602-406-3067
or email lindsey.possehl@dignityhealth.org

Refunds: A full refund, minus a 20% handling fee, will be made for cancellations prior to October 30, 2015. All refund requests must be received in writing by that date. No refunds will be made thereafter.
Microneurosurgical and Endoscopic Approaches to the Skull Base

December 3-5, 2015
Phoenix, Arizona

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