2024 Annual Spetzler Microneurosurgery Course
Microneurosurgery of the Skull Base:
Fundamentals, Approaches, Anatomy & Techniques

Jan. 11-12, 2024

Course Description
The Barrow Neurological Institute Division of Neurological Surgery announces the Spetzler Microneurosurgery Course, with course director, Michael T. Lawton and special guest, Robert F. Spetzler. BNI Neurosurgery Faculty, along with invited guest faculty, will lead a didactic-practical course in neurosurgical approaches and anatomy combined with clinical correlation of cerebrovascular and brain tumor management of the anterior regions of the cranium and skull base. This course is designed for neurosurgery residents and fellows and will address surgical anatomy, surgical approaches and strategies, and clinical review. It is a full two-day course designed with intense instruction and discussion for 32 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 practical anatomical dissection practice come alive. Exquisitely preserved cadaver tissue with vascular injection will provide the platform for lengthy dissection periods led by a master at the head station with other faculty mentors. Each station will have state-of-the-art instrumentation and microscopes.

Objectives
• Become intimately familiar with microneurosurgical anatomy for anterior region cranial and skull base surgical approaches
• Learn appropriate visualization, technique, and approaches for 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 discuss, and learn options from experienced neurosurgical faculty for surgical treatment of pathology at the anterior region skull base;
• Practice surgical approaches utilizing image guidance assistance with applied knowledge from didactic and discussion sessions on preserved-injected cadaver specimens

Barrow Neurosurgery Research Laboratory
Marian Rochelle Neuroscience Research Center Building

Mark C. Preul, MD
Director of the Neurosurgery Research Laboratory

The course will take place at the Neurosurgery Research Laboratory of the Barrow Neurological Institute Department of Neurosurgery, 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.
**Course Location**
Loyal and Edith Davis Neurosurgery Research Laboratory, Barrow Neurological Institute
St. Joseph’s Hospital, 350 West Thomas Road, Phoenix, Arizona 85013

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**Laboratory Contact Information:**

**Neurosurgery Research Department:** (602) 406-3268  
**Main:** (602) 406-3000  
**Fax:** (602) 406-4153  
**Email:** William.Bichard@DignityHealth.org

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**Approved Accommodations:**

**Embassy Suites by Hilton Phoenix Downtown North**  
10 East Thomas Road, Phoenix, AZ 85012  
(602) 222-1111  
Three blocks from the lab/walking distance  
No hotel shuttle service

**Fairfield Inn and Suites Phoenix (Marriott)**  
2520 North Central Avenue, Phoenix, AZ 85004  
(602) 716-9900  
0.6 miles from the lab  
Hotel shuttle runs between 6 a.m. – 10 p.m.

**Hampton Inn Phoenix-Midtown-Downtown Area**  
160 West Catalina Drive, Phoenix, AZ 85013  
(602) 200-0990  
Across the street from the lab/walking distance  
No hotel shuttle service

**Wyndham Garden Phoenix | Ramada Phoenix**  
Second Avenue and Osborne Road, Phoenix, AZ 85013  
WyndhamHotels.com  
(602) 604-4900 Wyndham Garden  
(602) 595-4444 Ramada Phoenix

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**Taxi Contacts:**

**AAA Yellow Cab:** (602) 252-5252  
**Discount Cab:** (602) 200-2000  
**Execucar:** (800) 410-4444

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**Dinner:**

A special course dinner is planned for Thursday, Jan. 11, 2024 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>
</tr>
</thead>
<tbody>
<tr>
<td>7 a.m. - 7:30 a.m.</td>
<td><strong>Breakfast</strong></td>
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<tr>
<td>7:30 a.m. - 7:45 a.m.</td>
<td><strong>Welcome</strong></td>
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<tr>
<td>7:45 a.m. - 8:15 a.m.</td>
<td><strong>Pterional/Orbitozygomatic Approach</strong></td>
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<tr>
<td>8:15 a.m. - 8:45 a.m.</td>
<td>Anatomy of Anterolateral Skull Base</td>
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<tr>
<td>8:45 a.m. - 9:15 a.m.</td>
<td>Technique: Pterional Craniotomy</td>
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<td>9:15 a.m. - 11:45 a.m.</td>
<td><strong>Lab Dissection</strong></td>
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<tr>
<td>11:45 a.m. - 12:45 p.m.</td>
<td><strong>Lunch</strong></td>
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<tr>
<td>12:45 p.m. - 1:15 p.m.</td>
<td><strong>Cavernous Sinus</strong></td>
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<tr>
<td>1:15 p.m. - 1:45 p.m.</td>
<td>Anatomy of Clinoids &amp; Superior Cavernous Sinus</td>
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<tr>
<td>1:45 p.m. - 2:15 p.m.</td>
<td>Technique: Transcavernous Approach</td>
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<td>2:15 p.m. - 4:30 p.m.</td>
<td><strong>Clinical Applications</strong></td>
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<td></td>
<td><strong>Lab Dissection</strong></td>
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<tr>
<td>Time</td>
<td>Activity</td>
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<tr>
<td>6:30 a.m. - 7:30 a.m.</td>
<td><strong>Breakfast</strong></td>
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<tr>
<td>7:30 a.m. - 8:30 a.m.</td>
<td>Middle Cranial Fossa</td>
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<td>8:30 a.m. - 9:30 a.m.</td>
<td>Operative Nuances</td>
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<td>9:30 a.m. - 11:45 a.m.</td>
<td>Kawase Approach</td>
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<td>12:45 p.m. - 1:15 p.m.</td>
<td>Far Lateral</td>
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<tr>
<td>1:15 p.m. - 1:45 p.m.</td>
<td>Anatomy of CP Angle</td>
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<td>1:45 p.m. - 2:15 p.m.</td>
<td>Far Lateral Approach</td>
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<tr>
<td>2:15 p.m. - 5 p.m.</td>
<td>Clinical Applications</td>
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<tr>
<td>5 p.m.</td>
<td><strong>Wrap-up</strong></td>
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Course Faculty

Distinguished Senior Faculty
Robert F. Spetzler, MD
Emeritus President & CEO
Emeritus Chair, Department of Neurological Surgery
Barrow Neurological Institute

Course Director
Michael T. Lawton, MD
President & CEO
Professor & Chair, Department of Neurological Surgery
Robert F. Spetzler Endowed Chair in Neurosciences
Chief, Division of Neurovascular Surgery
Barrow Neurological Institute

Lab Director
Mark C. Preul, MD
Newsome Family Endowed Chair of Neurosurgery Research
Director, Neurosurgery Research Division of Neurological Surgery
Barrow Neurological Institute

Course Coordinator
William D. Bichard
Clinical Coordinator
Barrow Neurological Institute

Invited Faculty
Juan Carlos Fernandez-Miranda, MD
Professor of Neurosurgery and Surgical Director of the Stanford Brain Tumor, Skull Base, and Pituitary Centers

Faculty
Joseph M. Zabramski, MD
Neurosurgery
Assistant Professor
Barrow Neurological Institute

Kaith Almefty, MD
Neurosurgery
Assistant Professor
Barrow Neurological Institute

Arnau Benet, MD
Resident
Barrow Neurological Institute

For more information, email CME@BarrowNeuro.org or call (602) 406-3067.
2024 Annual Spetzler Microneurosurgery Course
Microneurosurgery of the Skull Base:
Fundamentals, Approaches, Anatomy & Techniques

Residents: $200

REGISTER NOW
BarrowNeuro.org/Conference/SkullBase2023

For more information, please contact the Barrow Continuing Medical Education Office at CME@BarrowNeuro.org or (602) 406-3067.

Refunds:
To ensure adequate spaces and planning for the course, no refunds are given for canceled registrations.
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Barrow Neurological Institute
Microneurosurgery of the Skull Base:
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