Microsurgical and Endoscopic Approaches to the Skull Base

Featuring: Robert Spetzler, MD and Albert Rhoton, MD
with guest Evandro de Oliveira, MD
November 17-19, 2011

The BNI Neurological Surgery Department announces one of the most exciting microneurosurgical training courses we have ever held. Dr. Robert Spetzler and other faculty of BNI neurosurgery will team with Dr. Albert Rhoton, along with specially invited guest, Dr. Evandro de Oliveira, to put on a fantastic didactic-practical course in neurosurgical approaches and anatomy combined with clinical correlation of cerebrovascular and brain tumor management in the same regions. The course will address surgical anatomy, surgical approaches and strategies, and clinical review. As well, endoscopic technique will be included. It is a full 3-day course designed for intense instruction and discussion for 24 participants. Didactic instruction will feature 3D and digital video microanatomy, recorded surgery, correlated discussion for cerebrovascular and tumor pathology. The clinical information will be used to make the anatomical education come alive. Fully, exquisitely preserved cadaver heads 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 line instrumentation including microscopes and neuronavigation.

Objectives:
1) Become intimately familiar with microneurosurgical anatomy for skull base approaches around the cranium.
2) Correlate clinical pathological information with the corresponding anatomic region.
3) Combine anatomy and pathology information into decision-making for surgical approach selection.
4) For selected anatomical regions, learn appropriate visualization, pathology, and approaches for endoscopic neurosurgery at the skull base.
5) Learn decisions allowing choices between extended endoscopic visualization versus open surgical technique.
6) Practice endoscopic and surgical approaches utilizing image guidance assistance with applied knowledge from didactic and discussion sessions on preserved-injected cadaver specimens.

COURSE AGENDA

Thursday, November 17

7:00 am - 7:30 am  Continental Breakfast (Marley Lobby)

7:30 am - 7:45 am  Welcome, (Spetzler, introduce Rhoton & de Oliveira)

7:45 am – 9:15 am  LECTURES (Goldman aud):
Endoscopic Approaches to Sella and Skull Base
9:15 am – 9:30 am  Break and move to lab

9:30 am - 12:00 pm  PARTICIPANT DISSECTION (NSR lab)
Endoscopic Approaches to Skull Base

12:00 pm - 12:45 pm  Lunch (Marley Lobby)

12:45 pm - 2:20 pm  LECTURES (Goldman aud):  
Skull Base and Orbitozygomatic Approach

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

2:35 pm - 5:30 pm  PARTICIPANT DISSECTION (NSR lab)
One and Two Piece OZ, Anterior Clinoidectomy, and Exposure of the 
Basilar Apex

Friday, November 18

6:30 am - 7:00 am  Continental Breakfast (Marley Lobby)

7:00 am- 8:30 am  BNI Neurosurgery Conference (all invited)

8:30 am-9:15 am  BNI Neurosurgery Grand Rounds: 3D Anatomy of the Brain (Rhoton)

9:30 am – 9:40 am  Break

9:40 am - 10:30 am  LECTURES (Goldman aud)  
Cavernous Sinus, Anterior Petrousectomy, and Middle Fossa  
Approaches to the Internal Acoustic Meatus

10:30 am – 10:40 am  Break and move to lab

10:40 am - 12:30 pm  PARTICIPANT DISSECTION – Peeling Lateral Wall Cavernous Sinus, 
Middle Fossa Approach to the Internal Acoustic Meatus, and Anterior 
Petrousectomy
12:30 pm - 1:15 pm  Lunch (Marley Lobby)

1:15 pm - 2:45 pm  LECTURES (Goldman aud)
Retrolabyrinthine/Translabyrinthine & Pre-sigmoid Approaches

3D Anatomy, **(Rhoton)**

*Lecture Title, (Spetzler)*

*Lecture Title, (de Oliveira)*

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

3:00 pm - 5:30 pm  PARTICIPANT DISSECTION (NSR lab)
Retrolabyrinthine/ Translabyrinthine/Pre-sigmoid Approaches

**Saturday, November 19**

7:15 am - 7:45 am  Continental Breakfast (Marley Lobby)

7:45 am - 9:15 am  LECTURES (Goldman aud)
Retrosigmoid Approach

3D Anatomy, **(Rhoton)**

*Lecture Title, (Spetzler)*

*Lecture Title, (de Oliveira)*

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

9:30 am - 12:00 pm  PARTICIPANT DISSECTION (NSR lab)
Retrosigmoid Approach

12:00 pm - 1:00 pm  Lunch (Marley Lobby)

1:00 pm - 2:45 pm  LECTURE (Goldman aud)
Far Lateral Approach, 3D Anatomy

3D Anatomy, **(Rhoton)**

*Lecture Title, (Zabramski)*

*Lecture Title, (de Oliveira)*

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

3:00 pm - 5:00 pm  PARTICIPANT DISSECTION (NSR lab)
Far Lateral Approach, Complete previous dissections