Complex Surgical Approaches to the Skull Base

Presented by:
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A hands-on cadaver workshop with 3D Virtual Reality Lectures

3-Day Courses in New York City
December & April

Weill Cornell Medicine
Brain and Spine Center

Weill Cornell Medicine, Neurological Surgery
Day 1
Orbitozygomatic Approach and Exposure of the Sellar and Parasellar Region

8:00-8:35 AM Registration and Breakfast
8:15-8:30 AM Welcome and Introduction
8:30-10:00 AM 3D-Lecture Session
Surgical Anatomy and Techniques of the Orbitozygomatic Approach and Exposure of the Sellar and Parasellar Region
10:00-10:30 AM Clinical Considerations in the Orbitozygomatic Approach
10:30-10:45 AM Morning Break
10:45-11:00 AM Preparation for Cadaveric Dissection
11:00-1:00 PM Hands-on Dissection
Fronto-Orbito-Zygomatic Craniotomy
1:00-2:00 PM Lunch at Griffis Faculty Club
2:00-3:00 PM 3D-Lecture Session
Surgical Exposure of the Cavernous Sinus and its Clinical Anatomy
3:00-3:15 PM Afternoon Break
3:00-6:00 PM Hands-on Dissection
Anterior and Posterior Clinopectomy, Exposure of the Cavernous Sinus and Parasellar Region

Day 2
Temporal Bone and Transpetrosal Surgical Routes to the Skull Base

8:00-8:35 AM Breakfast
8:00-9:30 AM 3D-Lecture Session
Surgical Anatomy of the temporal Bone
Anterior Transpetrosal Approach
10:00-10:30 AM Clinical Considerations in the Anterior Transpetrosal Approach
10:30-10:45 AM Morning Break
10:45-11:00 AM Preparation for Cadaveric Dissection
11:00-1:00 PM Hands-on Dissection
Middle-Fossa Approach with Anterior Petrosectomy
1:00-2:45 PM 3D-Lecture Session
Posterior Transpetrosal Approach: Translabyrinthine and Transcochlear approaches: Surgical Anatomy and Techniques
2:45-3:00 PM Afternoon Break
3:00-6:00 PM Hands-on Dissection
Posterior Petrosectomy with Drilling of the Mastoid, Facial Nerve Exposure, Translabyrinthine Dissection, and Exposure of the Jugular Bulb

Day 3
The Jugular Foramen, Far Lateral Approach, and Combined Skull Base Approaches

8:00-8:35 AM Breakfast
8:00-9:30 AM 3D-Lecture Session
The Far Lateral Approach and Jugular Foramen: Surgical Anatomy and Techniques
9:30-9:45 AM Morning Break
9:45-10:00 AM Preparation for Cadaveric Dissection
10:00-1:00 PM Hands-on Dissection
The Far Lateral Transcondylar Approach
1:00-2:45 PM 3D-Lecture Session
Combined Skull Base Approaches and Lateral Cervical Dissection
2:45-3:00 PM Afternoon Break
3:00-6:00 PM Hands-on Dissection
Combined Skull Base Approaches and Lateral Cervical Dissection
Complex Surgical Approaches to the Skull Base
Hands-on Dissection Courses in New York City

Location
Weill Cornell Medicine, New York City

3-Day Course Description
This unique hands-on course, conducted four times a year, provides a fully immersive 3D journey through the anatomy and surgery of the skull base. Participating surgeons receive 3D virtual reality lectures before performing dissections at dedicated 3D operative workstations in Weill Cornell’s state-of-the-art Skull Base and Surgical Innovations Laboratory. The combination of the 3D virtual reality environment and cadaveric hands-on dissection provides surgeons with excellent preoperative training and rehearsal of current complex surgical approaches to the cranial base.

Course Objectives
The objective of this surgical course is to improve patient care. Upon completion of this course, participants will be able to:
- Identify orbital anatomy and orbito-zygomatic osteotomies
- Describe cavernous sinus anatomy and surgical exposure
- Describe and better understand cerebello-pontine anatomy
- Review jugular foramen anatomy and surgical exposure
- Identify temporal bone anatomy and specify transpetrosal surgical approaches

Target Audience
Practicing neurosurgeons, otolaryngologists, fellows, and residents

More Information/Registration:
To register visit: http://weillcornellbrainandspine.org/continuing-medical-education
Tel: (212) 746-1468
Email: skullbasecourses@med.cornell.edu