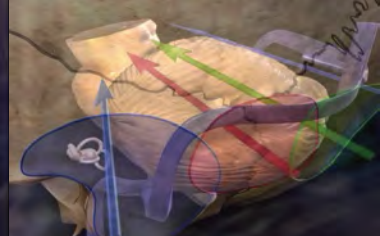
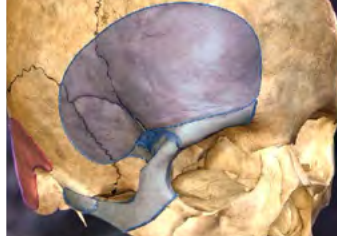


Mastering the Basics of Neurosurgery

Common Approaches

2018



Presented by:

Antonio Bernardo, MD

Philip E. Stieg, PhD, MD

and the Weill Cornell Neurosurgery Faculty

A hands-on skills-based
cadaver workshop

Immersive 3D Lectures



Weill Cornell Medicine
Neurological Surgery

3-Day Course in New York City
June 6–9, 2018



Weill Cornell Medicine, Neurosurgical Innovations and Training Center

Day 1

Pterional and Supraorbital Approaches, Sellar and Perisellar Areas, and Anterior Circulation

8:00-8:15 AM	Registration and Breakfast
8:15-8:30 AM	Welcome and Introduction
8:30-9:30 AM	3D-Lecture: Surgical Anatomy and Techniques of the Pterional Approach and Exposure of the Sellar and Perisellar Regions
9:30-9:45 AM	Morning Break
9:45-12:30 PM	Hands-on Dissection: Pterional Approach, Anterior Clinoidectomy, Opening the Sylvian Fissure, and Exploring the Basal Cisterns
12:30-1:30 PM	Lunch Lecture
1:30-2:30 PM	3D-Lecture: Surgical Anatomy and Techniques of the Supraorbital Approach and Exposure of the Anterior Cranial Fossa
2:30-2:45 PM	Afternoon Break
2:45-6:00 PM	Hands-on Dissection: Supraorbital Approach and Exposure of the Anterior Fossa, Sellar and Perisellar Areas, and Vasculature

Day 2

Subtemporal and Retrosigmoid Approaches, Lateral Cerebellopontine Angle, and Posterior Circulation

8:00-8:30 AM	Breakfast
8:30-9:30 AM	3D-Lecture: Surgical Anatomy and Techniques of the Subtemporal Approach and Exposure of the Upper Clivus and Crural Cistern
9:30-9:45 AM	Morning Break
9:45-12:30 PM	Hands-on Dissection: Subtemporal Approach, Dissection of the Tentorium, and Exposure of the Retrosellar Area and Upper Basilar Region
12:30-1:30 PM	Lunch Lecture
1:30-2:30 PM	3D-Lecture: Surgical Anatomy and Techniques of the Retrosigmoid Approach and Exposure of the Lateral Cerebellopontine Angle
2:30-2:45 PM	Afternoon Break
2:45-6:00 PM	Hands-on Dissection: Retrosigmoid Approach, Exploration of the Cerebellopontine Angle, and Exposure of the Superior, Middle, and Inferior Neurovascular Complexes

Day 3

Midline Suboccipital and Interhemispheric Transcallosal Approaches to the and Fourth and Third Ventricles

8:00-8:30 AM	Breakfast
8:30-9:30 AM	3D-Lecture: Surgical Anatomy and Techniques of the Midline Suboccipital Approach
9:30-9:45 AM	Morning Break
9:45-12:30 PM	Hands-on Dissection: Midline Suboccipital Approach and Exposure of the Posterior Fossa, and Fourth Ventricle
12:30-1:30 PM	Lunch Lecture
1:30-2:30 PM	3D-Lecture: Surgical Techniques and Anatomy of the Interhemispheric Transcallosal Approach
2:30-2:45 PM	Afternoon Break
2:45-6:00 PM	Hands-on Dissection: Interhemispheric Transcallosal Approach, it's Transforaminal, Transchoroidal, and Interforniceal Extensions, Exposure of the Lateral and Third Ventricles

Day 4 (Optional Add-on Day)

Approaches the Pineal Region and Lateral Cervical Dissection to the Carotid Artery

8:00-8:30 AM	Breakfast
8:30-9:30 AM	3D-Lecture: Surgical Anatomy and Techniques of the Suboccipital Transtentorial and Supracerebellar Infratentorial Approaches
9:30-9:45 AM	Morning Break
9:45-12:30 PM	Hands-on Dissection: Suboccipital Transtentorial and Supracerebellar Infratentorial Approaches, Exploring the Pineal Regional and Quadrigeminal Area
12:30-1:30 PM	Lunch Lecture
1:30-2:30 PM	3D-Lecture: Surgical Anatomy of the Lateral Cervical Region and Surgical Exposure of the Carotid Sheath
2:30-2:45 PM	Afternoon Break
2:45-6:00 PM	Hands-on Dissection: Lateral Cervical Muscle Dissection, Exposure of the Carotid Sheath and the Surrounding Neurovasculature

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Hands-on Dissection Course

Location

Weill Cornell Medicine, New York City

3-Day Course Description

This unique hands-on course is conducted at Weill Cornell's state-of-the-art Neurosurgical Innovations and Training Center. Participating surgeons work at 3-D interactive cadaver workstations, where they watch cadaveric dissections and review surgical anatomy—all in 3D—before and during their own dissection. The combination of the 3-D environment and the cadaveric hands-on dissection affords surgeons excellent preoperative training and rehearsal of commonly used neurosurgical approaches.

Course Objectives

The objective of this surgical course is to improve patient care. Upon completion of this course, participants will be able to:

- Understand and expose sellar and perisellar anatomy and anterior circulation
- Surgically access the basal cistern via opening of the sylvian fissure
- Complete a subtemporal approach and access the upper basilar region
- Navigate the lateral cerebellopontine angle and its neurovascular complexes
- Understand anatomy and surgical corridors to the third and fourth ventricles
- Identify quadrigeminal anatomy and understand surgical access to the pineal gland
- Access the carotid sheath and its neurovasculature via a lateral cervical corridor

Target Audience

Neurosurgery Residents, Fellows, and Attendings

More Information/Registration:

To register visit: <http://skullbaseneurosurgery.org/courses/>

Tel: (212) 746-1468

Email: skullbasecourses@med.cornell.edu

