CRANIAL BASE SURGERY COURSE
"A 360 DEGREE PERSPECTIVE"
HANDS-ON WORKSHOP
September 11-13
2025

Course Directors

Gustavo Pradilla, MD
Arturo Solares, MD
Tomás Garzón-Muvdi, MD
Emily Barrow, MD
Esther Vivas, MD
Camilo Reyes, MD

Emory University
School of Medicine
Faculty Office Building
49 Jesse Hill Jr Drive SE
Atlanta, GA 30303

Guest Faculty

Samy Youssef, MD
Carlos Pinheiro Neto, MD
James Evans, MD
Costas G. Hadjipanayis
Juan Luis Gomez, MD
Enrique Iturriaga, MD
David W. Jang, MD

A Chance to Challenge Yourself With a High Fidelity Cadaveric ICA Injury Model and Tumor Resection Model

EMORY UNIVERSITY
Skull Base Surgery

COURSE DESCRIPTION

Recent advances in technology and skull base techniques have raised the level of complexity that both neurosurgeons and ENT surgeons are able to deal with. As a continuously evolving field, skull base surgery represents a challenge for those who practice it, urging for constant training. Along with expertise, a key element for successful skull base surgery is acknowledging ongoing developments in conventional microscopy, skull base endoscopy, exoscopic techniques, and robotic-assisted visualization. This armamentarium provides an extended selection of techniques that can be tailored for each individualized case in the surgical field.

This three-day course, led by neurosurgeons and ENT surgeons, exposes the theoretical basis of traditional skull base microsurgical techniques along with a detailed insight on expanded endoscopic techniques and robotic-assisted exoscopic visualization. Participants will have the opportunity to enhance their knowledge and skills through hands-on workshop sessions in which key skull base procedures are recreated using preserved and injected cadaveric specimens.

Course attendees will benefit from lectures provided by experts on the field as they review cases and discuss technique selection as well as complication avoidance and management. During bioskills workshops, proctored dissections by the faculty and individual mentored dissections will be available for all participants.

Attendees will be able to challenge themselves with a cadaveric real-life internal carotid artery injury model during endoscopic endonasal surgery. The model will be running during the whole course therefore attendees will be able to perform several attempts of repair and practice the 'best' technique to cope with this dreadful complication. The model employs a real-life scenario where the OR environment is reproduced so as to test the stress and emotional burden that this unexpected complication can produce. In addition to the technical skills, the attendee will learn and refine the proper ICA injury intraoperative management. To allow the greatest educational experience, maximum enrollment in this course will be limited to 20 participants.

Course Directors

Gustavo Pradilla, MD
Arturo Solares, MD
Tomás Garzón-Muvdi, MD
Emily Barrow, MD
Esther Vivas, MD
Camilo Reyes, MD

Faculty

John DelGaudio, MD
Douglas Mattox, MD
Carrie Flanagan, MD
Candace Hobson, MD
Oswaldo Henriquez, MD
Sarah K. Wise, MD
Thomas Edwards, MD
Jackson Vuncannon, MD
Rustin Kashani, MD
Edoardo Porto, MD
Leonardo Tariciotti, MD

COURSE DATE AND LOCATION

All lectures and workshop sessions will be held at Emory's School of Medicine Grady Campus, 49 Jesse Hill Jr Drive SE, Atlanta, GA, 30303.

The course will take place Thursday September 11th to Saturday September 13th, 2025. Lectures will be in the Faculty Office Building Room 101 (1st floor). Workshops will take place at the Emory Skull Base Laboratory, Woodruff Extension Building Room 220-221 (2nd floor).

ACCOMMODATION

Below you can find an accommodation option upon your attendance to the course.

Atlanta Marriott Marquis

Address: 265 Peachtree Center Ave NE, Atlanta, GA 30303

Reservations are now open:
Follow the link: [**INSERT WEBSITE LINK**]

TRANSPOTATION

Each course attendee will receive a $30 voucher while using the Uber app for transportation from the course facilities to their accommodation.

PROGRAM AGENDA

Thursday, September 11 - Day 1

Morning Lectures
FOB 101

- 7:00 - 8:30 am — Registration and Continental Breakfast - Welcome and Course Overview **Gustavo Pradilla and Arturo Solares**
- 8:30 - 9:00 am — Sagittal Plane Endoscopic Skull Base Anatomy (Frontal Sinus to Sella) **Enrique Iturriaga**
- 9:30 - 10:00 am — Tuberculum Sella Meningiomas **Samy Youssef**

Prosection - Supervised Dissections
WEB 220-221

- 9:30 - 11:00 am — Sagittal Plane Approaches (Sella, Tuberculum, and Planum) **Carlos Pinheiro Neto and James Evans**
- 11:00 - 12:00 pm — Pedicled Flaps **David W. Jang**

Lunch Lectures
FOB 101

- 12:00 - 12:20 pm — Carotid Injury Management **James Evans**
- 12:20 - 12:40 pm — Complex Skull Base Repair Techniques **Carlos Pinheiro Neto**
- 12:40 - 1:00 pm — Transclival and Craniocervical Junction Anatomy **Carlos Pinheiro Neto**

Prosection - Supervised Dissections
WEB 220-221

- 1:00 - 2:00 pm — Transtuberculum/Transplanum Approaches **David W. Jang and Juan Luis Gomez**
- 2:00 - 3:00 pm — Transcribriform and Medial Orbital Decompression **Carlos Pinheiro Neto and Samy Youssef**
- 3:00 - 5:00 pm — Additional Lab Session and ICA Injury Model Session I **Edoardo Porto**
- 7:00 pm — Welcome Dinner - **Tiny Lou's**

PROGRAM AGENDA

Friday, September 12 - Day 2

Morning Lectures
FOB 101

• 8:00 - 8:30 am	Continental Breakfast
• 8:30 - 9:00 am	Coronal Plane Anatomy (Transpterygoid and Infratemporal Fossa) **Carlos Pinheiro Neto**
• 9:00 - 9:30 am	Medial Cavernous Sinus and Functional Adenomas **James Evans**

Prosection - Supervised Dissections
WEB 220-221

• 9:30 - 11:00 am	Prelacrimal/Medial Maxillectomy/Denker's/Calwell-Luc **Enrique Iturriaga and James Evans**
• 11:00 - 12:00 pm	Infratemporal Fossa/Transpterygoid Approach **Carlos Pinheiro Neto and Juan Luis Gomez**

Lunch Lectures
FOB 101

• 12:00 - 12:30 pm	Intraventricular Endoscopic Approaches - Colloid Cyst **Costas G. Hadjipanayis**
• 12:30 - 1:00 pm	Petroclival Meningiomas **Samy Youssef**

Prosection - Supervised Dissections
WEB 220-221

• 1:00 - 2:00 pm	Meckel's Cave - Front Door **David W. Jang and Samy Youssef**
• 2:00 - 3:00 pm	Petroclival Region/Parapharyngeal Space **Carlos Pinheiro Neto and James Evans**
• 3:00 - 4:00 pm	Intraventricular Lesion and Colloid Cyst **Costas G. Hadjipanayis and Leonardo Tariciotti**
• 4:00-5:00 pm	Additional Lab Session and ICA Injury Model Session I **Edoardo Porto**

PROGRAM AGENDA

Saturday, September 13 - Day 3

Morning Lectures
FOB 101

- 8:00 - 8:30 am — Continental Breakfast
- 8:30 - 9:00 am — Anatomy of the Middle Cranial Fossa - Pretemporal Approach - Approaches to the Cavernous Sinus **Samy Youssef**
- 9:00-9:30 am — Temporal Bone Anatomy **Carlos Pinheiro Neto**

Prosection - Supervised Dissections
WEB 220-221

- 9:30 - 11:00 am — Cranio-Orbito-Zygomatic/Anterior Clinoidectomy/Transcavernous/ Pretemporal **Samy Youssef and Juan Luis Gomez**
- 11:00 - 12:00 pm — Kawase/MCF approach to the IAC **Costas G. Hadjipanayis and James Evans**

Lunch Lectures
FOB 101

- 12:00 - 12:30 pm — Cholesterol granulomas **David W. Jang**
- 12:30 - 1:00 pm — Fluorescent Guided Surgery in Skull Base Pathologies **Costas G. Hadjipanayis**

Prosection - Supervised Dissections
WEB 220-221

- 1:00 - 2:30 pm — Retrolabyrinthine/Translabyrinthine/Infralabyrinthine/Transcochler/Petro-Occipital/Trans-Sigmoid Approaches **Douglas Mattox, Rustin Kashani and Esther Vivas**
- 2:30 - 3:30 pm — Retrosigmoid Approach **Samy Youssef**
- 3:30-5:00 pm — Additional Lab Session and ICA Injury Model Session III **Edoardo Porto** Skull Base Tumor Model **Leonardo Tariciotti**
- 5:00 pm — Closing Remarks

EMORY UNIVERSITY
Skull Base Surgery