



Congress of
Neurological
Surgeons

Skull Base Fellows Course

August 29-30, 2024 • Cleveland, Ohio

Course Director

Nicholas C. Bambakidis

Faculty

Sepideh Amin-Hanjani, Ashok R. Asthagiri, Garni Barkhoudarian, Lola Chambless, Garret Choby, Brian D'Anza, Paul A. Gardner, Yin C. Hu, Louis J. Kim, Sarah Mowry, Peter Nakaji, Sanjeet Rangarajan, Abhishek Ray, Alejandro Rivas, Kenneth Rodriguez, Maroun Semaan, Peter Weiskopf, Joseph M. Zabramski

Reviewers: Akash Patel, Tiffany Hodges

Course Description

This course is designed for skull base fellows or early-career neurosurgeons with an interest in skull base surgery. The two-day intensive course will include a combination of lectures, case-based discussions, and cadaver dissections designed to cover the basic surgical approaches and anatomy required of every skull base neurosurgeon. Faculty will include neurosurgeons and ENT surgeons who will demonstrate both posterolateral transtemporal surgical approaches as well as endoscopic endonasal anatomy and surgical options. The course will also feature an emphasis on the treatment of vascular lesions.

Learning Objectives

Upon completion of this course, attendees will be able to:

- Identify factors that lead to surgical complications and poor outcomes when treating brain tumors.
- Employ strategies for surgical complication avoidance and treatment management.
- Analyze the impact of surgical complications on patient quality of life.
- Demonstrate proper surgical techniques for endonasal endoscopic approaches to the skull base.

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME). The Congress of Neurological Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

The CNS designates this live activity for a maximum of **16.75 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Agenda

Thursday, August 29

Posterolateral Skull Base Approaches

7:00-7:30 am

Welcome and Breakfast

7:30-8:00 am

Anatomy of the Posterolateral Skull Base

Joseph M. Zabramski

8:00-8:30 am

Indications and Approaches for the Management of Skull Base Pathology

Nicholas C. Bambakidis

8:30-9:00 am

Management of Acoustic Neuromas—The Retrosigmoid Approach

Ashok R. Asthagiri

9:00-9:30 am

Complication Mitigation when choosing an approach for Acoustic Neuromas

Lola Chambless

9:30-10:00 am

Tuberculum Sella Meningioma Surgical Approaches: Above or Below?

Garni Barkhoudarian

10:00-10:45 am

The Far Lateral Approach and Its Variations

Louis J. Kim

10:45-11:45 am

Transpetrous and Combined Approaches

Alejandro Rivas, Maroun Semaan, Peter Weisskopf

11:45 am-12:30 pm

Break and Lunch

12:30-5:00 pm

Laboratory Session

Retrosigmoid/Translabrynthine/Transpetrosal, Far Lateral Approach and Variations

6:30 pm

Shuttle departs Courtyard Marriott for course dinner

7:00 pm

Course Dinner

Friday, August 30

Endonasal Endoscopic Approaches to the Anterior Cranial Skull Base

7:00-7:30 am

Breakfast

7:30-8:00 am

Basic Intra-nasal Anatomy and Anatomy of the Pituitary Gland and Parasellar Region

Kenneth Rodriguez

8:00-8:20 am

Equipment Setup and Operating Room Strategy

Garret Choby

8:20-8:45 am

Resection Techniques with Intraoperative Examples

Paul A. Gardner

8:45-9:30 am

Reconstruction of the Surgical Defects

Garret Choby

9:30-10:15 am

Surgical Options for Intraorbital Pathology

Abhishek Ray

10:15-10:45 am

The Orbitozygomatic Approach: Variations and Indications

Peter Nakaji

10:45-11:15 am

The Anterior Clinoidectomy for the Treatment of Paraclinoid Aneurysms

Sepideh Amin-Hanjani

11:15 am-12:15 pm

Surgical Case Examples and Indications

Brian D'Anza, Yin C. Hu, Kenneth Rodriguez

12:15-1:00 pm

Break and Lunch

1:00-5:00 pm

Laboratory Session

Endonasal Endoscopic Approaches, Orbitozygomatic Approaches and Variations

5:00 pm

Course Adjourns and Departure

Agenda and faculty subject to change