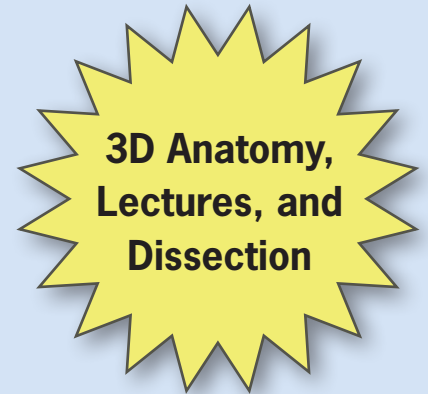




# Cleveland Clinic Microscopic and Endoscopic Skull Base Surgery Workshop

**November 7-9, 2024**

**M.A.R.C. Institute  
Doral, Florida**



**Register Today! [www.ccfcmc.org/skullbaseworkshop](http://www.ccfcmc.org/skullbaseworkshop)**

# Cleveland Clinic Microscopic and Endoscopic Skull Base Surgery Workshop

## Overview

Innovations and advances in the field of skull base surgery — including complex anatomy, diagnosis, treatment, and management of complications — continue to occur at a rapid pace, challenging neurosurgeons to stay abreast of the data and their implications for clinical practice. This three day workshop gives attendees hands on experience in different complex approaches as well as discuss the contemporary management issues in patients with skull base pathologies

## Who Should Attend?

This educational activity is intended for neurosurgeons and otolaryngologists interested in skull base surgery.

## Learning Objectives

After completing this educational activity, participants will be able to:

- Comprehend the microsurgical anatomy relevant to different approaches to the skull base.
- Demonstrate the decision making process involved in selecting different skull base approaches, according to the precise location of the lesion.
- Establish skull base techniques and refinement of surgical abilities used for skull base approaches.
- Identify advantages and limitations of transcranial and endoscopic approaches to different skull base regions.
- Describe the indications, risks, and benefits of different skull base approaches.

# Cleveland Clinic Microscopic and Endoscopic Skull Base Surgery Workshop

## Guest Faculty



**Shaan Raza, MD, FAANS**  
Section Chief, Skull Base  
Surgery Program The  
University of Texas MD  
Anderson Cancer Center  
Houston, Texas

## Cleveland Clinic Faculty



**Badih Adada, MD**  
Department Chair  
Neurological Surgery  
Pauline Braathen Neurological Center  
Cleveland Clinic Florida



**Hamid Borghei-Razavi, MD**  
Director of Minimally Invasive Cranial  
and Pituitary Surgery Program  
Pauline Braathen Neurological Center  
Cleveland Clinic Florida



**Mohamed Samy Elhammady, MD, FAANS**  
Department of Neurological Surgery,  
Cleveland Clinic Abu Dhabi  
Clinical Professor of Neurological Surgery,  
CCLCM, Cleveland, Ohio



**Pablo Recinos, MD**  
Section Head, Minimally Invasive  
Skull Base Neurosurgery  
Rose Ella Burkhardt Brain Tumor  
and Neuro-Oncology Center  
Neurological Institute  
Cleveland Clinic



**Varun Kshetry, MD**  
Director, Advanced Endoscopic  
and Microsurgery Laboratory  
Neurological Surgery  
Rose Ella Burkhardt Brain Tumor  
and Neuro-Oncology Center  
Neurological Institute  
Cleveland Clinic



**Raj Sindwani, MD**  
Section Head, Rhinology,  
Sinus and Skull Base Surgery  
Department of Otolaryngology  
Head and Neck Institute  
Cleveland Clinic

## Lab Faculty

**Daniel Benito, MD**

**Mauricio Mandel, MD**

# Cleveland Clinic Microscopic and Endoscopic Skull Base Surgery Workshop

## AGENDA

Thursday, November 7, 2024

### MICROSURGICAL APPROACHES

- 7:00 AM Registration/Continental Breakfast/Exhibits
- 7:25 AM Welcome and Introduction
- 7:30 AM **ANTEROLATERAL APPROACHES TO THE SKULL BASE**
- A. 3D anatomy of the anterolateral approaches
  - B. Theoretical session
    - Positioning/equipment in skull base surgery
    - Pterional approach
    - Extradural anterior clinoidectomy
    - Supraorbital approach – eyebrow/eyelid incision
- 9:00 AM Refreshment Break/Exhibits
- 9:15 AM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**
- 12:30 PM Lunch/Exhibits
- 1:30 PM **ANTERIOR PETROSAL APPROACHES**
- A. 3D anatomy of the anterolateral approaches
  - B. Theoretical session
    - Frontotemporal orbitozygomatic approach
    - Transcavernous approach
    - Anterior petrosal approach indications
    - Anterior petrosal approach pitfalls and complications
- 2:30 PM Refreshment Break/Exhibits
- 3:00 PM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**
- 6:00 PM Adjourn
- 7:30 PM **Welcome Reception**

# Cleveland Clinic Microscopic and Endoscopic Skull Base Surgery Workshop

**Friday, November 8, 2024**

## **MICROSURGICAL APPROACHES**

- 7:30 AM Continental Breakfast/Exhibits
- 8:00 AM **POSTERIOR PETROSAL APPROACHES**
- A. 3D anatomy of the posterior approaches
  - B. Theoretical session
    - Retrolabyrinthine approach
    - Translabyrinthine approach
    - Combined petrosectomy
- 9:00 AM Refreshment Break/Exhibits
- 9:15 AM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**
- 12:30 PM Lunch/Exhibits
- 1:30 PM **POSTEROLATERAL APPROACHES**
- C. 3D anatomy of the posterolateral approaches
  - D. Theoretical session
    - Retrosigmoid approach
    - Extended retrosigmoid approach with extension to the middle fossa
    - Far lateral approach
    - Lower cranial nerve monitoring
- 2:30 PM Refreshment Break/Exhibits
- 3:00 PM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**
- 6:00 PM Adjourn
- 7:30 PM **Social Event**

# Cleveland Clinic Microscopic and Endoscopic Skull Base Surgery Workshop

**Saturday, November 9, 2024**

## **ENDOSCOPIC APPROACHES**

- 7:30 AM Continental Breakfast/Exhibits
- 8:00 AM **ENDOSCOPIC: NASAL CAVITY AND SELLAR, SUPRASellar AND PARASellar**
- 8:00 AM 3D Anatomy
- 8:30 AM Basic principles of endoscopic Endonasal surgery
- 8:45 AM Endoscopic Approaches to the Sella and Parasellar spaces:  
Technical Nuances and Experience
- 9:15 AM Resection of the Medial wall of CS
- 9:30 AM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**
- 12:30 PM Lunch/Exhibits
- 1:30 PM 3D Anatomy coronal plane
- 2:00 PM Transpterygoid approach
- 2:15 PM Craniocervical junction
- 2:30 PM Skull base repair
- 2:45 PM Refreshment Break/Exhibits
- 3:00 PM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**
- 6:00 PM Adjourn

## Registration and Cancellation

Preregistrations are accepted online until 5:00 pm (EST), October 31, 2024. **Please note, due to limited space, onsite registrations will not be accepted.** In case of cancellation, a full refund will be made if cancelled by September 27, 2024. After September 27, 2024, a 50% cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. **NO REFUNDS WILL BE ISSUED AFTER NOVEMBER 7, 2024.**

Fees include: Syllabus, continental breakfasts, refreshment breaks, lunches and social events.

US residents and fellows*	\$300
Physicians and Other Trainees	\$1500
*Letter from program director is required to receive the discounted fee.	

For questions about registration, call 216.448.8710 or email [cmeregistration@ccf.org](mailto:cmeregistration@ccf.org)

## GENERAL INFORMATION

### Location

Miami Anatomical Research Center (M.A.R.C.)  
8850 NW 20th St,  
Doral, FL 33172  
<https://marc.institute>



### Hotel Accommodations

Hotel reservations are separate from the course registration and are the responsibility of the participant. A block of rooms have been reserved at the InterContinental at Doral Miami for a rate of \$189 plus tax. Please call 954.846.0400 to make your reservation. The cut-off date for the special rate is October 14, 2024.

InterContinental at Doral Miami  
2505 NW 87th Avenue  
Doral, FL 33172  
**305.468.1400**

### Parking

M.A.R.C. is equipped with a large parking lot and also have nearby parking lots available for local participants that drive to the facility.

### Information

For further information about this activity, contact Liz Eaton at:  
Phone: **800.223.2273** x55431  
Email: [eatonl3@ccf.org](mailto:eatonl3@ccf.org)

### Things To Do

Miami is one of the state's – and the world's – most popular vacation spots. Though destinations often are said to offer something for everyone, the Miami area does indeed offer multiple enticements for all. Seemingly endless shopping opportunities in modern, sprawling malls and the quiet, personal attention offered by the family-owned shops of Coconut Grove and many other corners of the region.

Check out [www.visitflorida.com](http://www.visitflorida.com) to plan your trip.

### Americans with Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

### Health and Safety

As participants are responsible for their own health choices, the use of masks by all participants at this event is optional. Additionally, attendees are not required to verify vaccination status nor to provide a negative COVID-19 test for entry. Please note this is subject to change based on the most recent status of CDC, local and/or state guidelines.

*Cleveland Clinic reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.*