

Cleveland Clinic Microscopic and Endoscopic Skull Base Surgery Workshop

November 13-15, 2025

**Miami Anatomical Research Center (M.A.R.C)
Doral, Florida**

**3D Anatomy,
Lectures, and
Dissection**



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.

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Guest Faculty



L. Madison Michael II, MD, FAANS

Professor of Neurosurgery and Otolaryngology
Program Director of Neurosurgery
Director of Skull Base Surgery
Department of Neurosurgery
University of Tennessee Health Science Center
Semmes-Murphey Clinic
Memphis, TN

President, North American Skull Base Society
President-Elect, Society of
University Neurosurgeons
President-Elect, Southern Neurosurgical Society



C. Arturo Solares, MD

Professor and Chair,
Department of Otolaryngology
Director, Skull Base Surgery,
Department of Otolaryngology
Emory University School of Medicine
Atlanta, GA

Cleveland Clinic Faculty



Badih Adada, MD

Department Chair
Neurological Surgery
Pauline Braathen Neurological Center
Cleveland Clinic Florida



Florian Roser, MD, PhD

Chairman, Neurological Institute,
Cleveland Clinic Abu Dhabi
Professor of Surgery, CCLCM, Ohio/US
and Professor of Neurosurgery,
University, Tübingen, Germany



Varun Kshettry, MD

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



Christopher Roxbury, MD, MBA

Director, Cleveland Clinic Foundation
NeuroRhino and Advanced Endoscopic
Sinus Surgery Fellowship
Department of Otolaryngology-Head and
Neck Surgery
Integrated Surgical Institute
Cleveland Clinic



Hamid Borghei-Razavi, MD

Director of Minimally Invasive Cranial
and Pituitary Surgery Program
Pauline Braathen Neurological Center
Cleveland Clinic Florida



Raj Sindwani, MD

Professor of Otolaryngology and
Neurological Surgery
Vice Chairman of Otolaryngology
Co-Director, Minimally Invasive Cranial Base
and Pituitary Surgery Program
Cleveland Clinic



Pablo Recinos, MD

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

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AGENDA

Thursday, November 13

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

- Orbitozygomatic Approach
- Extradural Anterior Clinoidectomy / Optic Canal Unroofing Technique
- Eyebrow Supraorbital Approach
- Customizing Your Frontotemporal Approach & How to Select

C. Theoretical Session

- Transpalpebral Lateral Orbitotomy Approach
- Case Selection

9:00 AM Refreshment Break/Exhibits

9:15 AM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**

12:00 PM Lunch/Exhibits

1:00 PM **ANTERIOR PETROSAL APPROACHES**

A. 3D Anatomy of the Anterolateral Approaches

B. Theoretical Session

- Frontotemporal Orbitozygomatic Approach
- Transcavernous Approach
- Anterior Petrosectomy (Kawase) Approach
- Indications, Pitfalls and Complications

C. Panel Session

- Why I Picked This Approach
- This is a Complication I Had and How You Can Avoid It

2:15 PM Refreshment Break/Exhibits

2:30 PM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**

5:00 PM Adjourn

7:30 PM **Social Event**

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Friday, November 14

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**

12:15 PM Lunch/Exhibits

1:15 PM **POSTEROLATERAL APPROACHES**

A. 3D Anatomy of the Posterolateral Approaches

B. Theoretical Session

- Retrosigmoid Approach
- Extended Retrosigmoid Approach, Suprameatal Extension, Iac Opening
- Far Lateral Approach

C. Panel Session

- Why I Picked This Approach
- This is a Complication I Had and How You Can Avoid It

2:15 PM Refreshment Break/Exhibits

2:30 PM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**

5:00 PM Adjourn

7:30 PM **Social Event**

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Saturday, November 15

ENDOSCOPIC APPROACHES

7:30 AM Continental Breakfast/Exhibits

ENDOSCOPIC: NASAL CAVITY AND SELLAR, SUPRASellar AND PARASellar

8:00 AM 3D Anatomy: Nasal Cavity & Parasellar Area

8:30 AM Basic Principles of Endoscopic Endonasal Surgery

8:45 AM Endoscopic Approaches to the Sella, Suprasellar, and Cavernous Sinus: Technical Nuances and Experience

9:15 AM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**

12:15 PM Lunch/Exhibits

1:15 PM 3D Anatomy Transclival & Craniovertebral Junction

1:30 PM Transpterygoid Approach

1:45 PM Craniocervical Junction

2:00 PM Skull Base Repair

2:15 PM Refreshment Break/Exhibits

2:30 PM **PRACTICAL SESSION ON ANATOMICAL SPECIMENS**

5:00 PM Wrap-up/Adjourn

Registration and Cancellation

Preregistrations are accepted online until 5:00 pm (EST), October 31, 2025. **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 October 3, 2025. After October 3, 2025, 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 13, 2025.**

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

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 \$199 plus tax. Please call 954.846.0400 to make your reservation. The cut-off date for the special rate is October 21, 2025.

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 Shana Spade at:
Phone: **800.223.2273** x55431
Email: 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 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

All applicable Centers for Disease Control (CDC), state, and local safety protocols will be enforced for this event. As participants are responsible for their own health choices, the use of masks by all participants at this event is optional.

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.