

**Mayo Clinic**  
**Rhthon-de Oliveira: Microsurgical and Endoscopic Approaches**  
**for Skull Base and Aneurysms**

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***May 22-26, 2023***

Mayo Clinic Simulation Center  
Jacksonville, Florida

***Course Directors:***

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**ENDOSCOPIC ENDONASAL SKULL BASE SURGERY COURSE**

May 22-23, 2023

*All Times in Eastern Time (ET)*

**Monday, May 22<sup>nd</sup>, 2023**

7:00 am	Continental Breakfast
7:30 am	Welcome and Introduction
7:40 am	Endoscopic Anatomy of Nasal Cavities
8:00 am	Anatomy of Endoscopic Approaches to the Sella and Parasellar Regions
8:20 am	Nasoseptal Flap and Techniques for Endoscopic Reconstruction
8:40 am	Endoscopic Pituitary Surgery: Surgical Techniques
9:10 am	Endoscopic Endonasal Surgery for Pituitary Tumors with Cavernous Sinus Invasion
9:40 am	Break
9:50 am	Nasoseptal Flap, Sellar Approach, Cavernous Sinus – Hands-on Laboratory
12:10 pm	Break
12:20 pm	Lunch Lecture
	Endoscopic-Assisted Microsurgery and the Endoscope as a Tool in Neurosurgery
1:20 pm	Endoscopic Endonasal Approach to the Suprasellar and Retroinfundibular Regions: Meningiomas, Craniopharyngiomas, and others
1:40 pm	Endoscopic Endonasal Approach to the Anterior Skull Base: Sinonasal Malignancies, Meningiomas, and others
2:00 pm	Break
2:10 pm	Suprasellar, Retroinfundibular, and Anterior Skull Base Intradural – Hands-on Laboratory
4:30 pm	Case Discussion - Decision-Making for Sella and Supra-Sellar Tumors
5:30 pm	Adjourn
6:00 pm	Welcome Dinner – Faculty and Participants

**Tuesday, May 23<sup>rd</sup>, 2023**

7:00 am	Continental Breakfast
7:30 am	Endoscopic Transpterygoid Approach: Anatomy and Surgical Technique
8:00 am	Endoscopic Endonasal Approach to the Clival and Petroclival Region
8:30 am	Endoscopic Endonasal Odontoidectomy
9:00 am	Break
9:05 am	Transclival and Transpterygoid Approaches – Hands-on Laboratory
12:05 pm	Lunch, Lecture & Discussion
	Management of surgical Complications: the emotional disease burden and lessons learned
1:05 pm	Break
1:15 pm	Lower Clivus, Foramen Magnum and Odontoid Process – Hands-on Laboratory
5:05 pm	Break
5:10 pm	Skull Base Surgery: How to Select the Best Approach?
5:40 pm	Adjourn

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**MICROSURGICAL APPROACHES TO SKULL BASE**

**May 24-26, 2023**

*All Times in Eastern Time (ET)*

**Wednesday, May 24<sup>th</sup>, 2023**

7:30 am	Continental Breakfast
8:00 am	Welcome and Introduction
8:10 am	Value and Future of Microneurosurgery
8:35 am	Pterional Approach – Lecture
9:30 am	Break
9:40 am	Pterional Approach – Demonstration and Hands-on Laboratory
12:10 pm	Break
12:20 pm	Sylvian Fissure & Basal Cistern – Lecture
12:50 pm	Lunch and Video Cases
1:20 pm	Radiographic Anatomy of Superior Orbital Fissure and Skull Base Foramen
1:50 pm	Surgical Application of Knowledge of the Sylvian Fissure – Lecture
2:20 pm	Break
2:30 pm	Opening of Sylvian Fissure and Basal Cistern – Demonstration and Hands-on Laboratory
5:00 pm	Adjourn
6:00 pm	Dinner “de Oliveira” Keynote Lecture

**Thursday, May 25<sup>th</sup>, 2023**

7:00 am	Continental Breakfast and Mayo Clinic Vascular Conference
8:00 am	Pretemporal Approach and OZ Approach – Lecture
8:30 am	Anatomy for Navigating the Cavernous Sinus
9:00 am	Break
9:10 am	Pretemporal and OZ Approach to the Cavernous Sinus (Extradural) – Demonstration and Hands-on Laboratory
12:00 pm	Break
12:10 pm	Rhoton Lecture
12:40 pm	Lunch Lecture: Surgery in and Through the Cavernous Sinus
1:40 pm	Break
1:50 pm	Approach to the Cavernous Sinus (Intradural) – Demonstration and Hands-on Laboratory
4:50 pm	Case Discussion
5:20 pm	Adjourn

**Friday, May 26<sup>th</sup>, 2023**

6:50 am	Continental Breakfast & Mayo Clinic Tumor Board
8:00 am	Approach to the Cavernous Sinus Part II – Demonstration and Hands-on Laboratory
10:00 am	Break
10:10 am	Anatomical Basis for the Far Lateral Approaches
10:40 am	Far Lateral Approach – Lecture
11:10 am	Break
11:15 am	Far Lateral Approach – Demonstration and Hands-on Laboratory
12:45 pm	Break
12:50 pm	Lunch Lecture: Extradural Minipterional Approach: Minimally invasive posterolateral trans cavernous transtentorial approach “MIPLATTA” for Basilar Artery
1:20 pm	Break
1:25 pm	Far Lateral Approach – Demonstration and Hands-on Laboratory
3:55 pm	Adjourn