

2020 Navigating the Temporal Bone in Skull Base Surgery

Wednesday 6/17

Anterior Transpetrosal Routes

- 8:00-8:20 AM Breakfast, Welcome, and Introduction
- 8:20-9:45 AM 3D-Lecture
Surgical Anatomy of Temporal Bone, Middle Fossa, and Upper Petroclival Region
Surgical Techniques for the Middle Fossa and Extended Transpetrosal Approaches
Antonio Bernardo, MD
- 9:45-10:00 AM Morning Break
- 10:00-1:00 PM Hands-on Dissection
Middle Fossa Interdural Dissection, Exposure of GSPN, Exposure of Internal Auditory Canal, and Resection of the Petrous Apex
- 1:00-2:00 PM Lunch Lecture: Clinical Challenges in Anterior Transpetrosal Skull Base Surgery
WCM Neurotology Faculty
- 2:00-5:00 PM Hands-on Dissection
Mobilization of CN V₃, Exploration of the Posterior Cavernous Sinus, Exposure of Intrapetrous Internal Carotid Artery, Accessing the Infratemporal Fossa, Opening of Posterior Fossa Dura, Cutting of the Tentorium, Exploration of the Petroclival Region and Anterior Cerebellopontine Angle
- 3:15-6:00 PM Hands-on Dissection
Extended Middle Fossa Approach Anterior Petrosectomy and Intradural Exploration of the Cerebellopontine Angle

Thursday 6/18

Posterior Transpetrosal Routes I

- 8:00-8:15 AM Breakfast
- 8:15-9:30 AM 3D-Lecture
Surgical Anatomy of the Mastoid Temporal Bone
Surgical Techniques for Mastoidectomy and Perilabyrinthine (Epi-, Retro-, Infralabyrinthine) Approaches
Antonio Bernardo, MD
- 9:30-9:45 AM Morning Break
- 9:45-1:00 PM Hands-on Dissection
Mastoidectomy, Skeletonization of the Sigmoid Sinus, Identification of the Fallopian Canal and Facial Recess, Exposure of the Presigmoid Dura, Endolymphatic Sac, and Labyrinth
- 1:00-2:00 PM Lunch Lecture: Lessons Learned from Posterior Transpetrosal Surgery
WCM Neurotology Faculty
- 2:00-3:00 PM 3D-Lecture
Surgical Anatomy of the Inferior Petrous Bone and Upper Cervical Infratemporal Region
Surgical Techniques for Transposition of the Facial Nerve and the Infratemporal Fossa Type A Approach
Antonio Bernardo, MD
- 3:00-3:15 PM Afternoon Break
- 3:15-6:00 PM Hands-on Dissection
Skeletonization and Transposition of the Fallopian Segment of the Facial Nerve, Exposure of the Upper Cervical and Infratemporal Fossa Region

Friday 6/19

Posterior Transpetrosal Routes II

- 8:00-8:15 AM Breakfast
- 8:15-9:30 AM 3D-Lecture
Surgical Techniques for the Translabyrinthine Approach
Antonio Bernardo, MD
- 9:30-9:45 AM Afternoon Break
- 9:45-1:00 PM Hands-on Dissection
Labyrinthectomy, Opening of the Dura, Intradural Exploration of the Cerebellopontine Angle, Cutting of the Tentorium, Exploration of the Petroclival Region
- 1:00-2:00 PM Lunch Lecture: Clinical Challenges in Posterior Transpetrosal Skull Base Surgery
WCM Neurotology Faculty
- 2:00-3:00 PM 3D-Lecture
Surgical Techniques for the Transcochlear Approach and Total Petrosectomy
Antonio Bernardo, MD
- 3:00-3:15 PM Afternoon Break
- 3:15-6:00 PM Hands-on Dissection
Transposition of the Facial Nerve, Traversing the Transotic Surgical Corridors, Resection of the Petrous Apex, Opening the Dura, Exploration of the Petroclival Region and Posterior Cavernous Sinus