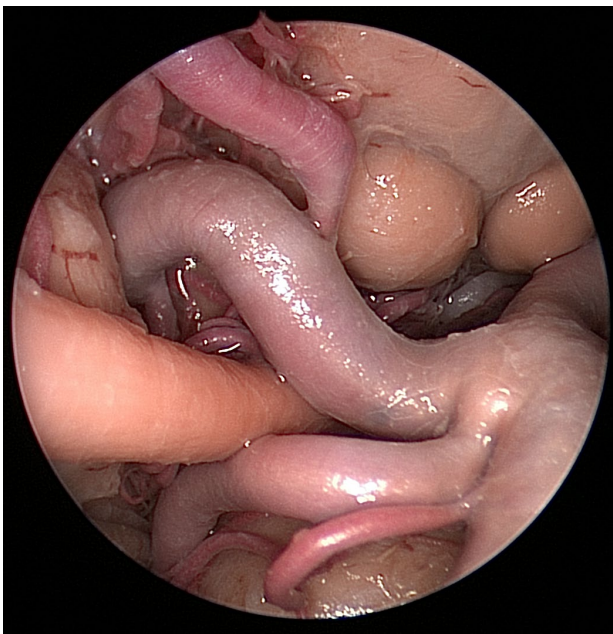




# ABBREVIATED SURGICAL ANATOMY DISSECTION TRAINING PROGRAM IN NEUROSURGERY

- **Duration:** 2 weeks
- **Tissue:** 1 embalmed cranial specimen per training program/person
- **Eligibility:** fellows, residents, trainees in neurosurgery, and practicing neurosurgeons
- **Objectives:**
  - To provide detailed step-by-step hands-on training in open and endoscopic cranial approaches in neurosurgery
- **Availability and registration:** upon request, and depending on availability of staff and laboratory, preferably 3-6 months in advance. Please email Hunter M. Prouty: [Prouty.Hunter@mayo.edu](mailto:Prouty.Hunter@mayo.edu)
- **Location:** Stabile Building 9<sup>th</sup> Floor, Mayo Clinic, Rochester, MN
- **Cost:** \$3200 for trainees (residents and fellows, program director verification and hospital employment verification required) and \$3900 for practicing physicians. Fee is due 30 days prior to the starting date of the training program.  
Includes tissue, equipment, instruments and laboratory staff supervision/mentorship.
- **Director:** Maria Peris-Celda MD PhD
- **Mentorship:** the dissection results will be guided and evaluated by the neurosurgery and otolaryngology consultant faculty members, direct supervision throughout the program will be provided by Luciano CPC Leonel, PhD
- **Laboratory staff, supervision, coordination:** Luciano CPC Leonel, PhD



## DESCRIPTION

Knowledge of surgical anatomy is essential to perform accurate, gentle and safe surgeries, as Professor AL Rhoton widely taught around the world. Detailed dissections and training in the surgical anatomy lab is the best way to acquire surgical skills, to decrease the learning curve, and increase efficiency in the operating room.

The Surgical Anatomy Dissection Training Program in Neurosurgery is a unique, individualized training opportunity offered at Mayo Clinic in Rochester, MN, directed to fellows, residents, trainees in neurosurgery, and practicing surgeons. The goal of the program is to maximize a short period of dedicated time in the surgical anatomy laboratory to train surgical techniques in a step-by-step fashion with the goal to comprehend the surgical techniques, indications, the surrounding anatomy.

The offered positions will depend upon the laboratory, specimen and staff availability and will be arranged a minimum of 3 months in advance.

Previous experience in anatomical dissection is not required. Theoretical organization, mentorship, and practical assistance will be responsibility of the lab.

The laboratory sessions will take place from Monday to Friday during business days spending up to 8 hours daily in the laboratory performing dissections. All dissections will be mentored by a PhD anatomist in situ and the results will be evaluated and mentored by a neurosurgery consultant.

Materials for self-study and direction will be provided. Each participant will have access to one specimen though the laboratory training period, instruments, professional photographic and projection equipment, and a dissection station equipped with microscopic and endoscopic equipment to record and document the dissections performed. A schedule for dissections is suggested below although it can be modified according to the interests and timeline. For longer stays please consider the comprehensive training program, for laboratory stays of 6 months or longer, please apply to the surgical anatomy research fellowship [Leonel.Luciano@mayo.edu](mailto:Leonel.Luciano@mayo.edu)



## SCHEDULE

### Week 1 – Module Open Approaches

- **Monday** Orbitozygomatic approach + Anterior clinoidectomy 2 pieces (R side) + 3D photo-documentation
- **Tuesday** Transcavernous approach (R side) + 3D photo-documentation
- **Wednesday** Middle cranial fossa and Anterior petrosectomy + Internal acoustic canal approach (R side) + 3D photo-documentation
- **Thursday** Posterior petrosal approach (L side) + Translab and transcochlear + Opening of retrosigmoid dura 3D photo-documentation
- **Friday** Far lateral approach + Transposition of the VA (R side) + 3D photo-documentation

### Week 2 – Module Endoscopic Endonasal Approaches

- **Monday** Endonasal and EEA Transsellar approach
- **Tuesday** Transcavernous + posterior clinoidectomy + transpterygoid approach – transposition of the VN, lateral recess, Meckel's cave and infratemporal fossa
- **Wednesday** Transplanum, transtuberculum, anterior craniofacial resection + transclival approach /OR shadowing optional
- **Thursday** Far medial, eustachian tube transposition + transmaxillary approach and infratemporal fossa exploration
- **Friday** As needed

