

REGISTRATION

10th Annual Course for Microscopic and Endoscopic Approaches to the Skull Base

November 12-15, 2025

This unique hands-on educational experience is made available through the support of our industry partners.

There will be a \$2,000.00 registration fee for selected senior-level (PGY 4+) residents with strong interest in pursuing skull base tumors.

This course will be open to Neurosurgery and ENT residents. Attendees will be selected on a first-come, first-served basis from nominations made by the program directors.

To nominate a resident please send the completed form below, approved by your program director to: jennifer.hasenbalg@cuanschutz.edu

Resident Nomination information:

Name: _____

Organization: _____

PGY Level: _____

Email: _____

Cell Phone : _____

Please email completed form to:
Jennifer.Hasenbalg@cuanschutz.edu
DUE BY JULY 1, 2025

PROGRAM DESCRIPTION

A national 3-day cadaveric dissection training course in Skull Base/Endoscopic Surgical Techniques will be held in the CSI Laboratory, University of Colorado Anschutz Medical Campus. This is an invitational course taught by world-class experts in skull base and cranial endoscopy to senior resident teams, combining Neurosurgery and Otolaryngology.

This course offers an intensive review of the technical nuances involved with skull base procedures including comprehensive 3-D anatomy and 3-D surgical video presentations. Participants will receive didactics and hands on instructions on traditional skull base approaches and endonasal and transcranial endoscopy including indications, techniques, outcomes complications avoidance and management.

PROGRAM OBJECTIVES

As a result of participation in this course, participants will be able to:

- Learn microsurgical anatomy of the skull base.
- Integrate anatomical knowledge with the main surgical approaches to the skull base.
- Identify the indications for cranial endoscopy
- Learn the different endoscopic techniques including complications avoidance.
- Identify indications for endoscopic assisted microsurgery and key hole approaches.
- Discuss the nuances of techniques for managing the different challenging pathologies.

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November 12-15, 2025



University of Colorado
School of Medicine
Center for Surgical Innovation
Aurora, Colorado



The Skull Base Surgery Program at the University of Colorado is dedicated to providing exceptional training and experience in the performance of complex intracranial neurosurgery with an emphasis upon the application of skull base surgical techniques to ordinary and extraordinary tumors and vascular lesions.

COURSE AGENDA

3-D Anatomy

- Antero-lateral corridor and cavernous sinus
- Lateral corridors to the skull base
- Posterior fossa and foramen magnum
- Endoscopic sinonasal anatomy and surgical corridors

Microsurgery

- Frontotemporal-Orbitozygomatic approach
- Anterolateral approaches and surgical exposure of the cavernous sinus
- Middle fossa approach
- Translabrynthine approach
- Presigmoid approach and surgical exposure of the jugular foramen
- Retrosigmoid and Far Lateral Approaches

Endoscopy

- Key hole approach and endoscopic assisted craniotomy
 - Parasellar region
 - Posterior fossa
- Endoscopic endonasal approach to sellar lesions
- Extended approach to suprasellar lesions and central skull base
- Extended approach to lateral skull base
- Skull base reconstruction and management of CSF leak

FACULTY

COURSE DIRECTOR

A. Samy Youssef, MD, PhD (USA)
Professor and Vice Chair of Education
Department of Neurosurgery
University of Colorado School of Medicine

COURSE CO-DIRECTOR

Samuel Gubbels, MD (USA)
Associate Professor
Department of Otolaryngology
University of Colorado School of Medicine

DEPARTMENT CHAIR

Peter Fecci, MD, PhD (USA)
Professor
Department of Neurosurgery
University of Colorado School of Medicine

COURSE FACULTY

Garni Barkhoudarian, MD (USA)
Associate Professor
Department of Neurosurgery
Pacific Neuroscience Institute

Rachel Blue, MD (USA)
Assistant Professor
Department of Neurosurgery
University of Pennsylvania

Michael Bruneau (BELGIUM)
Professor and Chairman
Department of Neurosurgery
UZ Brussels

Stephen Cass, MD (USA)
Professor
Department of Otolaryngology
University of Colorado School of Medicine

Brian Cervanka, MD (USA)
Assistant Professor
Department of Otolaryngology
University of Colorado School of Medicine

Samer Elbabaa, MD (USA)
Professor
Department of Neurosurgery
University of Central Florida

COURSE FACULTY CONTINUED

Anne Getz, MD (USA)
Associate Professor
Department of Otolaryngology
University of Colorado School of Medicine

Julie Goddard, MD (USA)
Associate Professor
Department of Otolaryngology
University of Colorado School of Medicine

Nikolai Hopf, MD (SWITZERLAND)
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