Northwestern Medicine®

Advanced Training in Open and Endoscopic Surgery: A Hands-on Skull Base Training Program in Chicago

Comprehensive dissection experience that includes three lab days

March 7 – 9, 2025

Downtown Chicago on the campus of Northwestern Memorial Hospital

Course directors
James P. Chandler, MD, and Robert C. Kern, MD

Bringing together skill sets from neurosurgery and otolaryngology, this comprehensive three-day course offers a unique opportunity to collaborate and learn complex surgical techniques from some of the top experts in the field of skull base pathologies, and to take advantage of the leading-edge technologies and cadaver dissection available in our lab.

The Skull Base Lab team instructs via didactic presentation, 3D and virtual reality (VR) anatomy demonstration, and guided cadaveric dissection. Participating surgeons get hands-on dissection experience using specimens to practice several complex approaches in both open and endoscopic cranial base surgery.

On completion of the course, participants will be able to:

Review the surgical approaches (open and endoscopic) for complex skull base pathologies.

Recognize the advantages of a team-based approach for managing pre-, peri- and postoperative skull base pathologies.

Demonstrate proficient endoscopic instrument handling and perform standard open skull base approaches.

Master minimally invasive endoscopic endonasal approaches to the sellar and peri-sellar area through advanced orbital-zygomatic craniotomy.

Identify complex skull base pathologies.

View the agenda and register online:
nmskullbase.org/advanced-training

Course Details

Location and parking

Northwestern Simulation Laboratory
McGaw Pavilion
240 East Huron Street, Suite LC-0540
Chicago, Illinois 60611

Discounted day and overnight parking will be available at 222 East Huron Street.

Audience

This comprehensive three-day course is designed for both novice and experienced surgeons, residents and fellows in neurosurgery and otolaryngology.

Registration fees

- Attending physician $2,500
- Trainee $1,000
- Pair registration (neurosurgery and otolaryngology – head and neck surgery) $3,500
- Northwestern University Feinberg School of Medicine alumni $1,000

Breakfast, refreshments, lunch and Friday dinner are provided. Space is limited.

Hotel accommodations

We have a limited number of rooms reserved for participants coming from out of town. Please contact Rajashree Sarkar, MBBS/MS, at 312.695.2523 or **rajashree.sarkar@northwestern.edu** for information.

Accreditation statement

The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit designation statement

The Northwestern University Feinberg School of Medicine designates this live activity for an estimated maximum of *21.75 AMA PRA Category 1 Credit(s)*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

American Board of Surgery
Continuous Certification Program

Successful completion of this CME activity enables the learner to earn credit toward the CME requirement(s) of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit.

Questions?

Email: **rajashree.sarkar@northwestern.edu**
Phone: 312.695.2523 (TTY: 711)

Registration

To register, please visit **nmskullbase.org/advanced-training.** You can also contact Rajashree Sarkar, MBBS/MS, at 312.695.2523 or **rajashree.sarkar@northwestern.edu.**

Sponsored by

Northwestern Skull Base Laboratory

Course Faculty

Course directors

James P. Chandler, MD
Robert C. Kern, MD

Northwestern University faculty

David B. Conley, MD
Osaama Khan, MD
Stephen T. Magill, MD, PhD
Alexander Schneider, MD
Michael Walsh, MD
Kevin C. Welch, MD
Richard M. Wiet, MD
Kevin Zhan, MD

Guest speakers

Omar Arnaout, MD
Jean Anderson Eloy, MD, FACS, FARS
Timothy R. Smith, MD, PhD
Gabriel Zada, MD

Course Agenda

Friday, March 7

7:00 am Registration, 3D Device Set Up
Northwestern University Simulation Lab

7:15 am **Welcome/Course Overview**
James P. Chandler, MD
VR Conference Room

Module 1: Endoscopic Sellar/Suprasellar Approaches

7:30 am **3D Anatomy**
Michael Walsh, MD
VR Conference Room

8:00 am **Extended Endoscopic Endonasal Sellar With Nasoseptal Flap**
Gabriel Zada, MD
VR Conference Room

8:30 am **Lab: Endoscopic Dissection**
Simulation Lab

10:00 am **Endoscopic Anterior Cranial Base Resection: Suprasellar Approach**
Jean Anderson Eloy, MD, FACS, FARS
VR Conference Room

10:30 am **Reconstruction of Skull Base**
David B. Conley, MD
VR Conference Room

11:00 am **Lab: Endoscopic Dissection**
Simulation Lab

Noon Lunch
Northwestern University
Simulation Room 0414

Module 2: Endoscopic Trans Pterygoid/ Trans Maxillary/Trans Clival Approaches

1:00 pm **3D Anatomy**
Michael Walsh, MD
VR Conference Room

1:30 pm **Endoscopic Endonasal Trans Pterygoid/ Trans Maxillary Approach to the Middle Cranial Fossa**
Robert C. Kern, MD, and
Jean Anderson Eloy, MD, FACS, FARS
VR Conference Room

2:00 pm **Lab: Endoscopic Dissection**
Simulation Lab

3:30 pm **Endoscopic Endonasal Trans Clival Approach**
Stephen T. Magill, MD, PhD
VR Conference Room

4:00 pm **Lab: Endoscopic Dissection**
Simulation Lab

5:30 pm Review and Adjournment

7:00 pm Dinner With Faculty and Participants
Capital Grille
633 West Ontario Street, Chicago
Reservation name is Dr. Chandler.

Saturday, March 8

7:00 am Breakfast, 3D Device Set Up
VR Conference Room

Module 3: Open Suprasellar/Middle Cranial Fossa Approaches

7:30 am **3D Anatomy**
Michael Walsh, MD
VR Conference Room

8:00 am **Transcranial Suprasellar Approaches: Orbitozygomatic Approach**
Osaama Khan, MD
VR Conference Room

8:30 am **Lab: Open Dissection**
Simulation Lab

10:00 am **Lateral Sub Temporal Approach to the Middle Cranial Fossa With Anterior Petrosectomy**
Timothy R. Smith, MD, PhD, and
Kevin Zhan, MD
VR Conference Room

10:30 am **Lab: Open Dissection**
Simulation Lab

Noon Lunch
Northwestern University
Simulation Room 0414

Continued >

Module 4: Trans Petrosal/Far Lateral Approaches

1:00 pm **3D Anatomy**
Michael Walsh, MD
VR Conference Room

1:30 pm **Far Lateral Transcondylar Approach**
James P. Chandler, MD
VR Conference Room

2:00 pm **Lab: Open Dissection**
Simulation Lab

3:30 pm **Trans Petrosal Approach to the Clivus and Petrous Apex**
Omar Arnaout, MD
VR Conference Room

4:00 pm **Lab: Open Dissection**
Simulation Lab

5:30 pm Review and Adjournment
James P. Chandler, MD
VR Conference Room

Sunday, March 9

8:00 am Breakfast
VR Conference Room

Module 5: Complications

9:00 am **Complication Avoidance and Management**
James P. Chandler, MD
Osaama Khan, MD
Stephen T. Magill, MD, PhD
Robert C. Kern, MD
David B. Conley, MD
Gabriel Zada, MD
VR Conference Room

10:00 am **Lab: Open Dissection**
Simulation Lab

Noon **Endoscopic Transorbital Approach**
Osaama Khan, MD
Stephen T. Magill, MD, PhD

1:00 pm Review and Adjournment
James P. Chandler, MD
Simulation Lab

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