Advanced Training in Open and Endoscopic Surgery: *A Hands-on Approach*

Agenda

Friday, March 12th

VR conference room, McGaw Pavilion
Northwestern Simulation Lab, Suite LC-0540

Time	Description	Presenter(s)	Location
7:00am	**Registration**		NU Simulation Lab
7:15am	Welcome / Course Overview / Breakfast	Dr. James P. Chandler	VR Conference Room
<u>Module 1: Endoscopic Sellar / Suprasellar Approaches</u>			
7:30am	3D Anatomy	Dr. Michael Walsh	VR Conference Room
8:00am	Endoscopic Endonasal Sellar Approach	Dr. Robert C. Kern	VR Conference Room
8:20am	Naso Septal Flap	Dr. David B. Conley	VR Conference Room
8:30am	**Lab**: *Endoscopic Dissection*		Simulation Lab
10.00am	Endoscopic Anterior Cranial Base Resection: Suprasellar Approach	Dr. Gabriel Zada	VR Conference Room
10.30am	Reconstruction of Skull Base	Dr. David B. Conley	VR Conference Room
11.00am	***Lab:*** *Endoscopic Dissection*		Simulation Lab
12.00pm	Lunch / Livestream of Endoscopic Surgery		VR Conference Room
<u>Module 2: Endoscopic Trans Pterygoid / Trans maxillary / Trans clival Approaches</u>			
2.00pm	3D Anatomy	Dr. Michael Walsh	VR Conference Room
2.30pm	Endoscopic Endonasal Trans Clival Approach	Dr. Stephen Magill	VR Conference Room
3.00 pm	**Lab**: *Endoscopic Dissection*		Simulation Lab
5:00pm	Review and Adjournment	Dr. James P. Chandler	Simulation Lab
7:00pm	Dinner with Faculty and Participants		Steak48, 615 N. Wabash Ave., *Reservation in East Room is for Northwestern's Advanced Training in Skull Base Surgery*

Questions? Contact Ella Henry (650) 665-3397 or Ahmad Pour-Rashidi (857) 832-1653

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Saturday, March 13th

VR conference room, McGaw Pavilion
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Time	Description	Presenter(s)	Location
7:00am	Breakfast		VR Conference Room
<u>Module 3: Open Suprasellar / Middle Cranial Fossa Approaches</u>			
7:30am	3D Anatomy	Dr. Michael Walsh	VR Conference Room
8:00am	Transcranial Suprasellar Approaches--Orbitozygomatic Approach	Dr. James Liu	VR Conference Room
8:30am	**Lab**: *Open Dissection*		Simulation Lab
10:00am	Lateral Sub temporal Approach to the Middle Cranial Fossa with Anterior Petrosectomy	Dr. Timothy Smith & Dr. Kevin Zhan	VR Conference Room
10:30am	**Lab**: *Open Dissection*		Simulation Lab
12:00pm	Lunch		NU Simulation Room 0414
<u>Module 4: Trans petrosal / Far Lateral Approaches</u>			
1:00pm	3D Anatomy	Dr. Michael Walsh	VR Conference Room
1:30pm	Far lateral Transcondylar approach	Dr. James P. Chandler	VR Conference Room
2:00pm	**Lab**: *Open Dissection*		Simulation Lab
3:30pm	Trans Petrosal Approach to the Clivus and Petrous Apex	Dr. Omar Arnaout	VR Conference Room
4:00pm	**Lab**: *Open Dissection*		Simulation Lab
5:30pm	Review and Adjournment	Dr. James P. Chandler	Simulation Lab

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Agenda

Sunday, March 14th

VR conference room, McGaw Pavilion
Northwestern Simulation Lab, Suite LC-0540

Time	Description	Presenter(s)	Location
7.00am	Breakfast		VR Conference Room
7.30am	Endoscopic Endonasal Trans Pterygoid/Trans Maxillary Approach to the Middle Cranial Fossa	Dr. Jean Eloy	VR Conference Room
<u>Module 5: Complications</u>			
8:00am	Complication Avoidance and Management	Dr. James P. Chandler Dr. Gabriel Zada Dr. James Liu Dr. Stephen T. Magill Dr. Carleton E. Corrales	VR Conference Room
9:30am	Lab: *Open Dissection*		Simulation Lab
12:00pm	Review and Adjournment	Dr. James P. Chandler	VR Conference room

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.

Objectives:

- 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 post operative skull base pathologies.
- Demonstrate proficient endoscopic instrument handling and performing standard open skull base approaches.
- Master Minimally invasive endoscopic endonasal approaches to the sellar and parasellar area, advanced orbital-zygomatic craniotomy.
- Identify complex skull base pathologies.

This comprehensive course is designed for both novice and experienced surgeons, residents, and fellows in neurosurgery and otolaryngology. Dr. James Chandler and Dr. Robert Kern and the Skull Base team will teach by didactic presentations, 3D and VR anatomy demonstrations and guided cadaveric dissection.