

Allegheny Health Network's Neuroscience Institute Presents
**Microscopic / Endoscopic Skull Base
Surgery and Vascular Bypass
Course**

February 4-6, 2021

Center for Surgical Arts

and

Magovern Conference Center

Allegheny General Hospital

Pittsburgh, Pennsylvania



Sponsored by

Allegheny Health Network Neuroscience Institute

Center for Complex Intracranial Surgery

Allegheny General Hospital

Pittsburgh, Pennsylvania



Allegheny
Health Network

Neuroscience Institute

Course Director

Alexander Yu, MD, MSBE, MS

Director, Surgical Neuro-Oncology, Skull Base Surgery

Director, Minimally Invasive Spine Neurosurgery

Associate Residency Program Director

Assistant Director, Cerebrovascular Neurosurgery

Surgical Director Neurologic Intensive Care Unit

Faculty

Kaith Almefty, MD

Assistant Professor of Neurosurgery

Barrow Neurological Institute

Phoenix, Arizona

Norberto Andaluz, MD

Professor of Neurosurgery

University of Louisville

Louisville, Kentucky

Mohamed Arnaout, MD, PhD

Lecturer of Neurosurgery

Zagazig University

Cairo, Egypt

Michael Chicoine, MD

Professor of Neurosurgery

Washington University School of Medicine

St. Louis, Missouri

Ondrej Choutka, MD

Cerebrovascular & Skull Base Neurosurgery

Saint Alphonsus Neuroscience Institute

Boise, Idaho

Amir Dehdashti, MD

Department of Neurosurgery

Director, Cerebrovascular Neurosurgery

Research

Northwell University

Manhasset, New York

James Evans, MD

Professor of Neurological Surgery

and Otolaryngology

Thomas Jefferson University Philadelphia,

Pennsylvania

Mohamed Elnokaly, MD, PhD

Lecturer of Neurosurgery

Helwan University

Cairo, Egypt

Erik Happ, MD

Chairman

Department of Ophthalmology Allegheny

General Hospital

Pittsburgh, Pennsylvania

Walter Jean, MD

Professor of Neurosurgery

George Washington University Hospital

Washington, DC

Diana Jho, MD

Hershey Medical Center

Hershey, Pennsylvania

Hae-Dong Jho, MD, PhD

Professor and Chairman

Department of Neuroendoscopy

Jho Institute for Minimally Invasive Surgery

Pittsburgh, Pennsylvania

Faculty (continued)

Jeffrey Keller, PhD

Research Professor of Neurosurgery
University of Cincinnati
Cincinnati, Ohio

Jody Leonardo, MD

Assistant Professor of Neurosurgery
Allegheny General Hospital
Pittsburgh, Pennsylvania

James K. Liu, MD, FACS

Professor of Neurosurgery
Rutgers New Jersey Medical School
Neurological Institute of New Jersey
Newark, New Jersey

Gurston Nyquist, MD

Professor of Otolaryngology-HNS
and Neurological Surgery
Thomas Jefferson University Hospital
Philadelphia, Pennsylvania

Richard Williamson, MD

Director, Endovascular Services
Allegheny General Hospital
Pittsburgh, Pennsylvania

A. Samy Youssef, MD, PhD Professor
of Neurosurgery University of
Colorado Hospital Aurora, Colorado

Faculty Disclosure

As a provider accredited by ACCME, Allegheny General Hospital must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

Note: CME credit is not provided for industry-sponsored workshop.

Course Overview and Intended Audience

This workshop is intended for mid-level or senior residents from across the country to learn and practice the technical skills needed to perform this specialized surgery. It is structured to provide both didactic and intensive hands-on cadaver dissection sessions covering microscopic techniques and approaches for skull based tumors, cranial nerve microvascular decompressions, endoscopic approaches for the third lateral ventricles, endoscopic approaches for pituitary tumors, cerebral aneurysms and cerebrovascular bypass. The residents will work together as teams in the lab under the direction of distinguished leaders in these disciplines.

Laboratory Sessions

Laboratory sessions will give attendees sufficient time to satisfactorily complete the course objectives. However, as sponsor of the course, Allegheny General Hospital does not certify the competency of any individual.



Thursday, February 4

MICROSCOPIC / ENDOSCOPIC SKULL BASE SURGERY AND VASCULAR BYPASS COURSE
Anterior/Middle Fossa

6:45 AM	Shuttle Bus Pick Up at Residence Inn Pittsburgh North Shore
7:00 AM	Registration and Breakfast, <i>Magovern Exhibit Area, 1st Floor</i>
7:45 AM	Opening Remarks Donald Whiting, MD
8:00 AM	Decision Making Choosing the Skull Base Approach Walter Jean, MD
8:30 AM	The Internal Carotid Artery Jeffrey Keller, PhD
9:00 AM	Orbitozygomatic Approach, Mobilizing Lateral Wall of Cavernous Sinus, Anterior Clinoidectomy James Liu, MD
9:30 AM	Minimally Invasive Eyelid Approach to the Anterior Cranial Fossa Erik Happ, MD /Alexander Yu, MD
10:00 AM	Low Subfrontal Dural opening Variations for Frontotemporal Approaches Michael Chicoine, MD
10:30 AM	Break
11:00 AM	Petrosectomy Amir Dehdashti, MD
11:30 AM	Vestibular Schwannoma Surgery: Functional Preservation Strategies A. Samy Youssef, MD
12:00 PM	Supraorbital Keyhole Approach: Pure Endoscopic and Endoscope-Assisted Perspectives Mohamed Arnaout, MD, PhD
12:30 PM	Lunch, <i>Magovern Conference Center, 2nd Floor, Ambrose/Berg Room</i>
1:30 PM	Laboratory Dissection and Hands on Lab, Anterior/Middle Fossa CSA, South Tower, 4th Floor
6:00 PM	Cocktail and hors d'oeuvres reception, <i>Magovern Exhibit Area, 1st Floor</i>
8:00 PM	Shuttle to Residence Inn Pittsburgh North Shore

Friday, February 5

MICROSCOPIC / ENDOSCOPIC SKULL BASE SURGERY AND VASCULAR BYPASS COURSE

Posterior Fossa / Vascular Bypass / Introduction to Endoscopy

6:45 AM	Shuttle Bus Pick Up at Residence Inn Pittsburgh North Shore
7:00 AM	Registration and Breakfast, <i>Magovern Exhibit Area, 1st Floor</i>
7:30 AM	Jugular Foramen Tumors/Combined Petrosal Approaches Kaith Almefty, MD
8:00 AM	Approaches to the Fourth Ventricle Richard Williamson, MD
8:30 AM	Posterior Transcondylar Approach: Step by Step Kaith Almefty, MD
9:00 AM	The Role of Bypass and Its Techniques in Modern Neurosurgery Norberto Andaluz, MD
9:30 AM	Break
10:00 AM	Bypass Techniques Amir Dehdashti, MD
10:30 AM	Cerebral Revascularization and Cerebral Blood Flow: Lab to OR Ondrej Choutka, MD
11:00 AM	Sinonasal Anatomy Gurston Nyquist, MD
11:30 AM	Endoscopic Anatomy Jody Leonardo, MD
12:00 PM	Lunch, <i>Magovern Conference Center, 2nd Floor, Ambrose/Berg Room</i>
1:00 PM	Laboratory and Hands on Dissection Class, Posterior Fossa, Introduction to Endoscopy, CSA, 4th Floor, South Tower Vascular Bypass, Animal Lab, 8th Floor, South Tower
5:30 PM	Shuttle to Residence Inn Pittsburgh North Shore
6:30 PM	Cocktails and Hors d'oeuvres <i>Location TBD</i>
7:00 PM	Dinner, <i>Location TBD</i>

Saturday, February 6

MICROSCOPIC / ENDOSCOPIC SKULL BASE SURGERY AND VASCULAR BYPASS COURSE
Vascular Bypass / Expanded Endoscopy

6:45 AM	Shuttle Bus Pick Up at Residence Inn Pittsburgh North Shore
7:00 AM	Registration and Breakfast, <i>Magovern Exhibit Area, 1st Floor</i>
7:30 AM	Endoscopic Endonasal Approach: What's beyond? Mohamed Arnaout, MD, PhD
8:00 AM	Management of ICA Injuries Michael Chicoine, MD
8:30 AM	Endoscopic Procedures/Management of CSF Leak Gurston Nyquist, MD
9:00 AM	Endonasal Approach to the Clivus and Cranio-Cervical Junction James Evans, MD
9:30 AM	Break
10:00 AM	Endonasal Management of Craniopharyngiomas James Evans, MD
10:30 AM	Applicability of Conventional Sub-Occipital Approach for Resection Of Foramen Magnum Meningiomas: Early Experience Mohamed Elnokaly, MD, PhD
11:00 AM	Endonasal Management of Meningiomas James Evans, MD
11:30 AM	Minimally Invasive Brain and Spine Surgery Under Image Hae-Dong Jho, MD, PhD / Diana Jho, MD
12:00 PM	Lunch, <i>Magovern Conference Center, 2nd Floor, Ambrose/Berg Room</i>
1:00 PM	Laboratory: Hands-on Dissection Classes, CSA, South Tower, 4th Floor Expanded Endoscopy and Vascular Bypass, Animal Lab, 8th Floor, South Tower
6:00 PM	Conclusion of Course, Shuttle to Residence Inn Pittsburgh North Shore

Neuroscience Institute
Allegheny General Hospital
320 East North Avenue
Pittsburgh, Pennsylvania
15212-4772

Non-Profit
Organization
U.S. Postage
PAID
Pittsburgh, PA
Permit No. 2885

www.ahn.org/education/center-surgical-arts