

Allegheny Health Network Neuroscience Institute Presents

3rd Annual Allegheny Health Network Dr. Walter Grand Brain Endoscopy Course

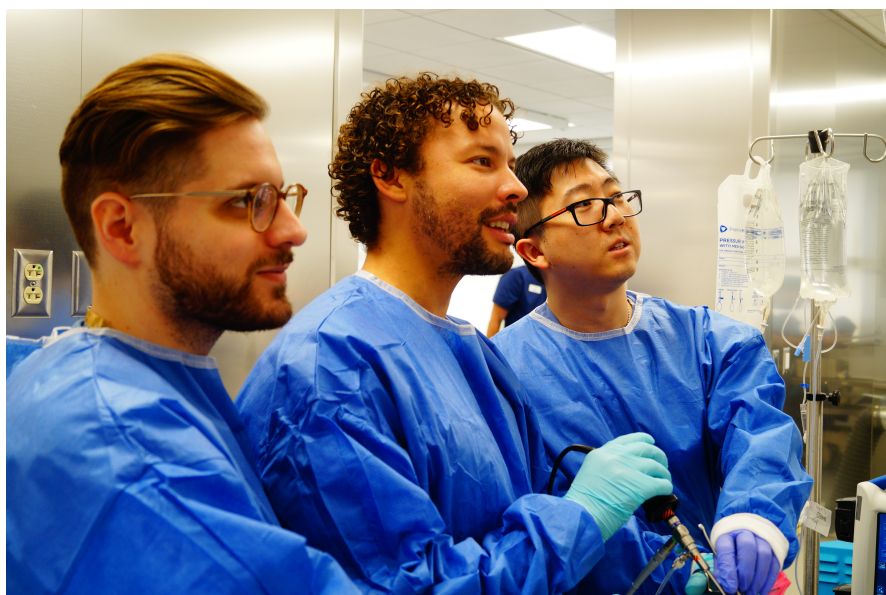
Lecture and Practical Lab

Friday, October 11th – Saturday, October 12th, 2019

Allegheny General Hospital, Magovern Conference Center

and Center for Surgical Arts

Pittsburgh, PA



SPONSORED BY

Allegheny Health Network
Neuroscience Institute
Allegheny General Hospital
Pittsburgh, Pennsylvania



Allegheny
Health Network

Course Director

Jody Leonardo, MD, FACS, FAANS

Director of Adult Hydrocephalus
Director of AHN Pituitary Center
Assistant Director of Endoscopic Neurosurgery
Department of Neurosurgery and Neuroendoscopy
Allegheny Health Network

Dr. Peter Jannetta Visionary Lecturer

Hae-Dong Jho, MD, PhD

Chairman, Department of Neuroendoscopy
Professor, Drexel University College of Medicine
Jho Institute for Minimally Invasive Neurosurgery
Allegheny Health Network

Honored Guest Lecturer

John Y.K. Lee, MD, MSCE

Associate Professor
Department of Neurosurgery, Otolaryngology
University of Pennsylvania

Keynote Lecturer

Zachary Litvack, MD, MCR, FAANS, FACS

Director, Skull Base & Minimally Invasive Neurosurgery
Co-Executive Medical Director, Neurosurgery & Spine
Swedish Neuroscience Institute

Dr. Axel Perneczky Lecturer

Alex Yu, MD

Director, Surgical Neuro-Oncology, Skull Base Surgery
Director, Minimally Invasive Spine Neurosurgery
Assistant Director, Cerebrovascular Neurosurgery
Assistant Director, Adult Deformity Surgery
Department of Neurosurgery
Allegheny Health Network

Guest Faculty

David Jho, MD, PhD, FAANS

Director, Neurosurgical Trauma
Associate Director, Endoscopic Neurosurgery
Department of Neurosurgery and
Neuroendoscopy
Allegheny Health Network

Diana Jho, MD

Director of Penn State Neurosurgery
Geisinger Holy Spirit Hospital
Assistant Professor of Neurosurgery
Penn State Hershey Medical Center

Matthew Straka, MD, MS

Otolaryngology
Straka and McQuone, Inc.
Allegheny Health Network

Rabih G. Tawk, MD, FAANS

Adjunct Associate Professor
University of Florida College of Medicine
Associate Professor of Neurosurgery
Mayo Clinic College of Medicine
NeuroEndovascular Fellowship Program
Director
Mayo Clinic Florida

Kerry A. Vaughan, MD

Chief Resident/PGY-7
University of Pennsylvania

Richard Williamson, MD

Director, Cerebrovascular Neurosurgery and
Endovascular Services
Co-Director, Stroke Program
Assistant Director, Skull Base Surgery
Department of Neurosurgery
Allegheny Health Network

In accordance with the Accreditation Council for Continuing Medical Education (ACCME) and the policy of Allegheny General Hospital, presenters must disclose all relevant financial relationships, which in the context of their presentation(s), could be perceived as a real or apparent conflict of interest (e.g., ownership of stock, honoraria, or consulting fees). Any identifiable conflicts will be resolved prior to the activity. Any such relationships will be disclosed to the learner prior to the presentation.

Course Overview, Intended Audience, and Objectives

The **AHN Dr. Walter Grand Brain Endoscopy Course** is a endoscopic intraventricular and skull base instructional course inspired by Dr. Walter Grand, an esteemed neurosurgeon, neuroendoscopist, and neurosurgical educator. The course is geared to teach neurosurgical residents, fellows, and attending neurosurgeons minimally invasive endoscopic approaches to intraventricular, cisternal, sellar, and parasellar pathology. This educational endeavor will be held in the state-of-the-art, newly constructed and spacious AHN Center for Surgical Arts. The purpose of the course is to fulfill the need for basic and in-depth endoscopic training in the neurosurgical community as intracranial and skull base endoscopy have proven to be an effective minimally invasive treatment option.

This year, we are honored to announce that **Dr. Hae-Dong Jho, Professor and Chairman of the AHN Department of Neuroendoscopy** and world renowned neurosurgeon and pioneer in neuroendoscopy, will be performing a pituitary surgery “live” during the course to demonstrate the approach and the procedure first-hand.

In addition to the live surgery, the AHN Dr. Walter Grand Brain Endoscopy Course will provide two full days of didactic lectures and practical cadaver lab sessions through which the course participants will become familiar with both intracranial and transnasal endoscopic equipment and will accrue the knowledge and technical skill set to perform the following basic endoscopic procedures in their own practices:

- Endoscopic Third Ventriculostomies (ETVs), Septum Pellucidum Fenestrations (SPFs)
- Endoscopic approaches to intraventricular and cisternal pathology such as cerebellar pontine angle/pineal region tumors and cysts
- Flexible endoscopic interventions including exploration and biopsy and aqueductoplasty
- Endoscopic transnasal transsphenoidal approaches to sellar and parasellar pathology
- Endoscopic approach for evacuation of intraventricular and parenchymal hemorrhage

More specifically, upon completion of the course, participants will be able to:

- Identify intraventricular, cisternal, as well as sellar/parasellar pathology amenable to endoscopic treatment
- Understand ventricular, cisternal, and sellar/parasellar anatomy and imaging characteristics
- Recognize the differences in intracranial and transnasal endoscopes and become proficient in their utilization
- Learn how to approach lesions in the lateral ventricles (foramen of Monroe, atria/occipital poles) as well as anterior and posterior third ventricular lesions in a cadaver with the rigid endoscopic systems
- Utilize the rigid endoscope to access the cisternal corridors for cerebellar pontine angle lesions or pineal region lesions in a cadaver
- Understand the differences between rigid and flexible intraventricular endoscopic systems
- Understand indications for flexible endoscopy and how to utilize the flexible endoscopic and instruments
- Utilize the endoscope in the evacuation of intraventricular or parenchymal hemorrhage
- Perform an endoscopic transnasal transsphenoidal approach to the sellar/parasellar area in cadavers
- Perform a transnasal/transoral odontoidectomy in a cadaver
- Perform endoscope-assisted supra-orbital (eyebrow) mini-craniotomy in a cadaver
- Develop an awareness of endoscopic complications and understand their management
- Understand the difference between endoscopic and exoscopic image visualization for tumor resection and hemorrhage evacuation

Skull Base Endoscopy

Friday, October 11th, 2019

7:30 am *Registration and Continental Breakfast*

7:45 am *Welcome and Introduction*

8:00 am **The Dr. Peter Jannetta Visionary Lecture**

Dr. Hae-Dong Jho

8:30 am **LIVE ENDOSCOPIC PITUITARY SURGERY**

Dr. Hae-Dong Jho

Post-Operative Panel Discussion To Follow

AM Presentation Block (15 min/lectures)

Anatomy of the Nasal Cavity, Sphenoid Sinus, Sella

General Principles of Endoscopic Skull Base Surgery

Endoscopic Transnasal Transphenoidal Approach (ETTA)

Anatomy of the Suprasellar, Retrosellar, and Parasellar Region Nasal

Septal Flaps and CSF Leak Repair

Noon *Lunch*

12:45 pm **Keynote Lecture**

Skull Base Approaches, Pathology, and Complications

Dr. Zachary Litvack

1:45 pm Endovascular Management of Carotid Injury

2:00 pm Endoscopic Approach to Odontoid Pathology

2:15 pm *Coffee Break/Exhibits*

2:30 pm **Lab Session - Overview of Skull Base Endoscopes/
Instrumentation; ETTA Extended Skull Base and Odontoid
Approach**

5:00 pm *Adjournment*

7:00 pm **The Grand Event - Endoscopic Brain Bash Fall Celebration**

Rialto Roof Top @ Kimpton Hotel Monaco 🍷🌸🌸

Intracranial Endoscopy

Saturday, October 12th, 2019

7:30 am *Continental Breakfast*

8:00 am *Welcome and Introduction*

8:10 am Ventricular Anatomy

8:30 am General Intraventricular Endoscopy Principles and Complications

8:50 am Endoscopic Third Ventriculostomy (ETV)

9:10 am Endoscopic Approaches to Colloid Cysts (CC)

9:30 am *Coffee Break/Exhibits*

9:45 am Septum Pellucidum Fenestration (SPF)

9:50 am Endoscopic Approach to Arachnoid Cysts (AC)

10:15 am Minimally Invasive Options for Evacuation of Intracranial Hematomas

10:30 am *Lab Session - Overview of Intracranial Endoscopes and Instrumentation; Endoscopic Review of Intraventricular Anatomy; ETV; SPF; Endoscopic Approaches to CC and Frontal Horn Pathology; Endoscopic/Exoscopic Hematoma Evacuation*

Noon *Lunch*

12:45 pm Honored Guest Lecture

Topic TBA

Dr. John Lee

1:30 pm Endoscopic Approach to Posterior Third Ventricle Pathology

1:45 pm Endoscopic Chiari Decompression

2:00 pm The Dr. Axel Perneczky Lecture

"The Supraorbital Approach"

Dr. Alex Yu

2:15 pm Introduction to Flexible Endoscopy

2:30 pm Choroid Plexus Cauterization

2:45 pm *Coffee Break/Exhibits*

3:00 pm *Lab Session - Endoscopic Approach to Atrial/Occipital Lesions of the Lateral Ventricle and Pineal Region Pathology; Introduction to Flexible Endoscopy; Retromastoid Endoscopic Craniectomy Endoscopic Exploration; Supra-orbital Approach*

5:00 pm *Adjournment*



Accreditation

Allegheny General Hospital is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Allegheny General Hospital designates this live activity for a maximum of 15.50 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Credit

American Nurses Credentialing Center (ANCC) accepts *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME.

American Academy of Nurse Practitioners (AANP) accepts *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME.

American Academy of Physician Assistants (AĀPA) accepts *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME.

Allegheny General Hospital has approved this activity for 15.50 contact hours for non-physicians.

Location and Accommodations

The conference will be held at Allegheny General Hospital, Magovern Conference Center and Center for the Surgical Arts, 320 East North Avenue, Pittsburgh, PA 15212.

Hotel accommodations can be made by calling **412-323-0300** and using discount code: **3rd Annual Walter Grand Brain Endoscopy** at the Holiday Inn Express & Suites-Pittsburgh North Shore, 228 Federal Street, Pittsburgh, PA 15212.

Refund Policy

A refund of the registration fee, less a \$25 processing fee, will be made when a written or a telephone request is received prior to **October 5**. After this date, refunds cannot be made. Fees will not be refunded for failure to attend.

Allegheny General Hospital reserves the right to cancel or post-pone any conference because of unforeseen circumstances or insufficient enrollment. In the event of such cancellation, full tuition will be refunded.

Registration Information

The registration fee includes the course materials, continental breakfast, lunch, and break refreshments.

Fee: Physicians

\$995.00

Residents and Fellows

No Fee

To register online, please go to cme.ahn.org:

AHN/Highmark Employee

- >Create account: use AHN email and password
- >Click on Courses tab
- >Scroll to 3rd Annual Allegheny Health Network Dr. Walter Grand Brain Endoscopy Course
- >Click on Register tab, Select Fee, Add to Cart, and Checkout

Non-AHN/Highmark

- >Select "Register" at the top of the page
- >Create username and password
- >Click on Courses tab
- >Scroll to 3rd Annual Allegheny Health Network Dr. Walter Grand Brain Endoscopy Course
- >Click on Register tab, Select Fee, Add to Cart, and Checkout

For additional information, please contact the CME office at **412-330-4068** or by e-mail to ashley.knoch@ahn.org.

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