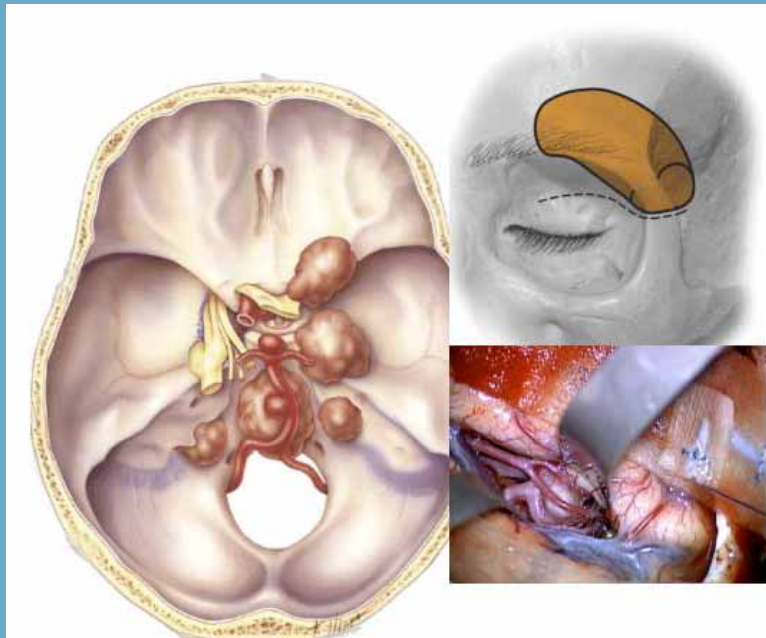


ALLEGHENY GENERAL HOSPITAL PRESENTS THE SIXTH ANNUAL

Microscopic and Endoscopic Skull Base Surgery Course, Vascular Bypass Animal Lab and ELANA Laser Bypass Lab

*Thursday through Sunday, October 11-14, 2012
George J. Magovern, MD Conference Center
Allegheny General Hospital
Pittsburgh, Pennsylvania*



SPONSORED BY

*Center for Complex Intracranial Surgery
Department of Neurosurgery
Allegheny General Hospital
Pittsburgh, Pennsylvania*



**ALLEGHENY GENERAL
HOSPITAL**

West Penn Allegheny Health System

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.

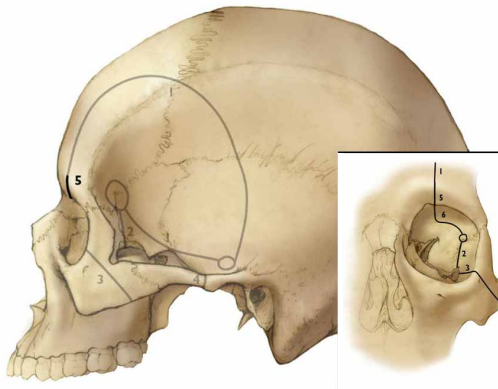
LABORATORY SESSIONS

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.

PARTICIPANT SELECTION PROCESS

Invitations will be mailed to the neurological surgery program directors. Based on the recommendation of the program directors, the participant selection will be limited to the first 20 applicants.

After receipt of official confirmation of acceptance, details regarding travel and hotel accommodations will be forwarded to each participant.



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(s).

WORKSHOP DIRECTOR

KHALED M. AZIZ, MD, PHD
Assistant Professor of Neurosurgery
Drexel University College of Medicine
Director, Center for Complex
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Department of Neurosurgery
Allegheny General Hospital
Pittsburgh, Pennsylvania

WORKSHOP CO-DIRECTORS

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University of South Florida
Tampa, Florida

MARIO ZUCCARELLO, MD
Professor of Neurosurgery
Director, Cerebrovascular Surgery
Mayfield Clinic
University of Cincinnati
Cincinnati, Ohio

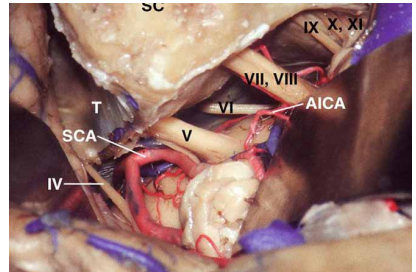
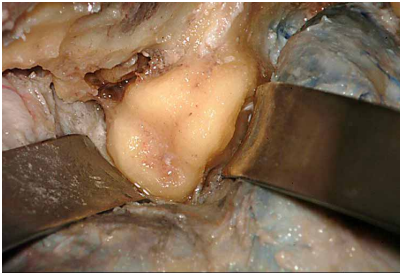
HONORED FACULTY

PETER J. JANNETTA, MD
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Academics Vice Chairman,
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Department of Neurosurgery
Allegheny General Hospital
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Drexel University College of Medicine
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Director, Jho Institute for Minimally
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Allegheny General Hospital
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R. D. Keene Family Professor
Department of Neurosurgery
University of Florida
Gainesville, Florida

JOHN TEW JR., MD
Professor of Neurosurgery
University of Cincinnati
Cincinnati, Ohio



INVITED FACULTY

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KETAN BULSARA, MD

Yale University
New Haven, Connecticut

ONDREJ CHOUTKA, MD

University of Cincinnati
Cincinnati, Ohio

CHRISTIAN DEBRY, MD

University of Strasbourg
Strasbourg, France

JAMES J. EVANS, MD

Thomas Jefferson University
Philadelphia, Pennsylvania

SEBASTIEN FROELICH, MD

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Drexel University College of Medicine
Medical Director, Hearing and Balance Center
Department of Surgery and Neurosurgery

TODD A. HILLMAN, MD

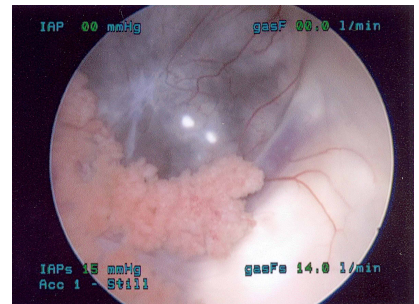
Medical Co-Director, Hearing and
Balance Center
Division of Otorhinolaryngology
Department of Surgery

MICHAEL Y. OH, MD

Director, Institute of Computer
Assisted Neurosurgery
Co-Director, Division of Neuromodulation
Associate Program Director, Neurosurgery
Residency Program

MATTHEW R. QUIGLEY, MD

Director, Neuro-Oncology
Department of Neurosurgery



CONFERENCE SCHEDULE

THURSDAY, OCTOBER 11, 2012

- 7:00 a.m. Registration and Continental Breakfast
- 7:30 a.m. Welcome and Introduction
Jack E. Wilberger Jr., MD
Peter J. Jannetta, MD
- 7:45 a.m.
 - Fronto-temporal Orbitozygomatic Approach
 - The Art of Mobilizing the Lateral Wall of the Cavernous Sinus**Harry van Loveren, MD**
- 8:30 a.m.
 - Mini-Pterional Approach
 - Minimally Invasive Eyelid Approach to the Anterior Cranial Fossa**Khaled Aziz, MD, PhD**
- 9:00 a.m.
 - Crucial Steps for Anterior Clinoidectomy
 - Crucial Steps for Anterior Pterosectomy**Sebastien Froelich, MD**
- 9:30 a.m.
 - Suprasellar Meningioma
 - Modified Pterional Craniotomy “Sphenoid Wing Preservation”
 - Techniques for Cranioplasty**Michael McDermott, MD**
- 10:15 a.m. Lateral Suboccipital Retrosigmoid Approaches for Cranial Nerves Exposure: Step by Step
Khaled Aziz, MD
- 10:45 a.m. Transcondylar Approach: How I Do It In the Lab
Jacques Morcos, MD
- 11:15 a.m. Safe Exposure of the Vertebral Artery During Transcondylar Approach
A. Samy Youssef, MD, PhD
- 11:45 a.m. Retrosigmoid and Middle Cranial Fossa Approaches for Vestibular Schwannomas: Neuro-otology Prospective
Douglas A. Chen, MD
- 12:15 p.m. Facial Nerve Anatomy: Surgical Implications in Skull Base Surgery
Todd A. Hillman, MD
- 12:45 p.m. **L U N C H**
- 1:30 p.m. Approaching the Jugular Foramen
James Liu, MD
- 2:00 p.m. Approaches to the Pineal Region
A. Samy Youssef, MD, PhD

(continued)

CONFERENCE SCHEDULE *(continued)*

THURSDAY, OCTOBER 11, 2012

- 2:30 p.m. *Laboratory: Hands-on Dissection*
- 6:00 p.m. **A D J O U R N M E N T**
- SOCIAL EVENT AT THE CARNEGIE MUSEUM OF NATURAL HISTORY**
- 7:00 p.m. *Cocktail Hour and Tour of Museum*
- 8:00 p.m. *Group Photo with Dr. Rhoton and Invited Faculty*
- 8:15 p.m. *Dinner and Lecture Presentations*
History and Innovations in Skull Base and Vascular Surgery
Ketan Bulsara, MD
Jeffrey Keller, PhD
Harry Van Loveren, MD

FRIDAY, OCTOBER 12, 2012

- 7:00 a.m. Registration and Continental Breakfast
- 7:30 a.m. Brainstem Microvascular Decompression Future Perspectives
Peter J. Jannetta, MD
- 8:00 a.m. Trigeminal Neuralgia: Management Options
John Tew, Jr., MD
- 8:30 a.m. Anterior and Middle Cranial Fossa
Albert Rhoton Jr., MD
- 9:30 a.m. Foramen Magnum and Posterior Cranial Fossa
Albert Rhoton Jr., MD
- 10:30 a.m. Third Ventriculostomy
Matthew R. Quigley, MD
- 11:00 a.m. Laboratory: Hands-on ELANA Re-vascularization
Ondrej Choutka, MD
- 1:00 p.m. **L U N C H**
- Meningioma Case Presentations*
- Sphenoid Wing
Michael McDermott, MD
 - Petroclival
Harry van Loveren, MD
 - Foramen Magnum
Jacques J. Morcos, MD
- 2:00-7:00 p.m. *Laboratory: Hands-on Dissection*
- 5:00-7:00 p.m. *CO2 Laser Certifications (Available during lab time)*
(Pizza and refreshments will be available during the lab and certifications)
- 7:00 p.m. **A D J O U R N M E N T**
(Free time for the remainder of the evening)

CONFERENCE SCHEDULE

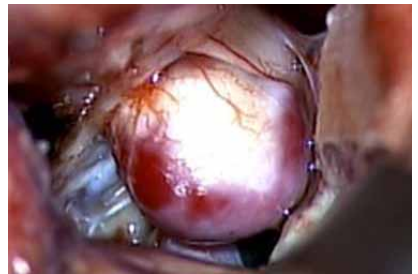
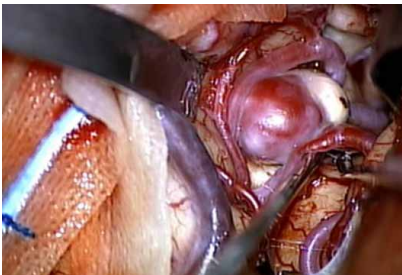
SATURDAY, OCTOBER 13, 2012

- 7:00 a.m. Registration and Continental Breakfast
- 7:30 a.m. Endoscopic Transnasal Transsphenoidal Approach: Retalve Anatomy of the Nasal Cavity and the Sphenoid Sinus
Christian Debry, MD
- 8:00 a.m. Concepts and Evolution of Minimally Invasive Endoscopic Transnasal Approaches
Hae Dong Jho, MD, PhD
- 9:00 a.m. Transnasal Endoscopic Approaches from the Sella Turcica Down to C1-C2 Junction
James Evans, MD
- 9:30 a.m. Endoscopic Anatomy and Exposure of the Carotid Artery and the Cavernous Sinus: Clinical Correlation
Sebastien Froelich, MD
- 10:00 a.m.
 - Microsurgical Anatomy of the Ventricles
 - Endoscopic Panoramic View of the Skull Base**Albert Rhoton Jr., MD**
- 11:00 a.m. **L U N C H**
- Craniopharyngiomas Case Presentations*
 - Tricks and Trades**James Evans, MD**
James Liu, MD
Sebastien Froelich, MD
- 12:30 p.m. *Laboratory: Hands-on Dissection*
Instructors: Hae Dong Jho, MD, PhD
James Evans, MD
Sebastien Froelich, MD
James Liu, MD
- 2:30-7:00 p.m. *Continued Endoscopic Lab Dissection*
- 7:00 p.m. **A D J O U R N M E N T**
(Free time for the remainder of the evening)

CONFERENCE SCHEDULE

SUNDAY, OCTOBER 14, 2012

- 7:00 a.m. Registration and Continental Breakfast
- 7:30 a.m. Cerebral Revascularization from the Lab to the OR
Mario Zuccarello, MD
- 8:00 a.m. Carotid Artery Stenosis and Occlusion — Review of Recent Trials
Norberto Andaluz, MD
- 8:30 a.m. *Video* Demonstration and Hands-on Vascular By-pass
Norberto Andaluz, MD
Ondrej Choutka, MD
- 12:30 p.m. *Vascular Lab*
Instructors: Mario Zuccarello, MD
Norberto Andaluz, MD
Ondrej Choutka, MD
- 2:00 p.m. **A D J O U R N M E N T**
(Box lunches and shuttle service available for return trip to the airport)



CONFERENCE LOCATION

George J. Magovern, M.D. Conference Center
Allegheny General Hospital
320 East North Avenue
Pittsburgh, Pennsylvania 15212-4772

THE CENTER FOR COMPLEX INTRACRANIAL SURGERY

The Center for Complex Intracranial Surgery at Allegheny General Hospital is a world class treatment center in one of the leading teachings institutions in the United States. The center is directed by Khaled Aziz MD, PhD. We are offering hope for patients with skull base tumors, all variants of brain tumors, and cerebrovascular lesions including aneurysms and arteriovenous malformations.

Our team is highly skilled, equipped with the latest computerized technology, and uses the most sophisticated surgical devices. Our multispecialty team includes neurosurgeons, neuro-otologists, neuroradiologists, neuro-oncologists, and radiation oncologists. For skull base and brain tumors, we offer microsurgical resection, endoscopic assisted resection, and all variants of stereotactic radiation therapy. For cerebrovascular lesions, we offer microsurgical clipping, arterial bypass, endovascular coiling, embolization, stenting, and stereotactic radiation therapy for arteriovenous malformations. The team members perform individualized lesion specific evaluation and thorough pre-operative planning. We also have state of the art operative team and operating rooms. Post-operative recovery care is provided in our neuroscience intensive care units by our intensive care specialists and neuroscience nursing staff.

Skull base tumors that we treat include:

- Meningiomas
- Acoustic Neuromas
- Chordomas
- Chondrosarcomas
- Tumors of the sellar region (Pituitary adenomas, Craniopharyngiomas)

ADDITIONAL INFORMATION

For additional information, contact the Department of Neurosurgery, **Debbie Musico** by calling (412) 359-3575 or by e-mail: dmusico@wpahs.org.

*Continuing Medical Education
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