

2018

St. Louis, Missouri, USA
September 29 -
October 2

5th
Saint Louis University
Department of
Neurosurgery



Practical Anatomy & Surgical Education
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Combined Ventricular & Skull Base Endoscopy

Hands-on Cadaver Course for Neurosurgeons



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SAINT LOUIS
UNIVERSITY
— EST. 1818 —



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Combined Ventricular & Skull Base Endoscopy

Hands-on Cadaver Course for Neurosurgeons



In collaboration with IFNE and IWFNS Neuroendoscopy Committee

Course Director:

Samir K. Elhabaa, MD, FAAP, FAANS, FACS

Honored Guest:

Henry Schroeder, MD, PhD

An offering through:
Practical Anatomy & Surgical Education, Department of Surgery
Saint Louis University School of Medicine

Saturday, September 29 7:00 AM - 5:30 PM

Ventricular Anatomy & Basic Intra-Ventricular Procedures

- 3D Ventricular Anatomy : Craniometric points, Endoscopic Approaches and Correlating White Matter Fiber Tractography
- Basics of Neuro-Endoscopy: Equipment and Surgical Planning
- Endoscopic Third Ventriculostomy (ETV): , technique, Indications and Outcomes

- Endoscopic Management of complex Hydrocephalus
- Endoscopic Cadaveric Demonstration and Hands-On Laboratory:
 - Endoscopic Third Ventriculostomy
 - Endoscopic Septum Pellucidum Fenestration
 - Endoscopic Shunt Placement and use of Endoscopic Navigation

Intra-Ventricular Tumors

- Endoscopic Management of Intra-Ventricular Tumors
- Endoscopic Choroid Plexus Coagulation (CPQ) : technique & Outcomes
- HONORED GUEST LECTURE: Endoscopic Management of Colloid Cysts
- Podium Cadaveric Demonstration and Hands-On Laboratory:
 - Endoscopic Biopsy/ Resection of Intra-Ventricular Tumor Model
 - Endoscopic Excision of Colloid Cyst/ Approaches to the Third Ventricle
 - Use of Stereotactic Navigation during Endoscopic Ventricular Surgery

Sunday, September 30 7:00 AM - 6:00 PM

Advanced Intra-Ventricular and Craniofacial Procedures

- HONORED GUEST LECTURE: Endoscopic Aqueductroplasty: complication Avoidance during Intra-Ventricular Endoscopy
- Endoscopic Management of Arachnoid Cysts
- Endoscopic-Assisted Craniofacial Correction of Craniostenosis
- Endoscope-Assisted Microsurgery
- Endoscopic Management of Intra-Ventricular Infections
- Hands-On Laboratory:
 - Endoscopic Biopsy/ Resection of Intra-Ventricular Tumor Model
 - Use of Stereotactic Navigation during Endoscopic Ventricular Surgery
 - Endoscopic approaches to Choroid Plexus

Endoscopic Approaches to the Skull Base (Part I)

- 3D Endoscopic Sinus and Endonasal Skull Base Anatomy
- Standard Versus Expanded Endonasal Trans-Sphenoidal Approaches: Technique and Indications
- Endoscopic Transnasal Subcortical Parasagittal Surgery for Intracerebral Hemorrhage
- Endoscopic Nasoseptal Flap Reconstruction of the Skull Base
- Endoscopic Repair of CSF Leak
- Podium Dissection
 - Standard Endonasal Trans-Sphenoidal Approach to the Sella
 - Expanded Endonasal Trans-Sphenoidal Approach to the Parasellar Lesions
- Hands-On Laboratory: Standard and Expanded Endonasal Trans-Sphenoidal Approaches to the Sella

EDUCATIONAL OBJECTIVES

This workshop has been designed to provide the neurosurgeons the opportunity to enhance their own skills in a variety of endoscopic approaches to the ventricles and skull base. The participants will:

- Review and perform endoscopic surgical approaches to the lateral ventricles, perform endoscopic third ventriculostomy, perform endoscopic placement of shunt, perform endoscopic septum fenestration and remove intraventricular tumors.
- Review and perform endoscopic surgical approaches to the anterior, lateral and posterior skull base on cadaveric specimens
- Learn and discuss the indications and differences between standard microsurgical and endoscopic approaches.
- Discuss the surgical techniques and complexity of the various surgical approaches reviewed, viewing surgical videos and interacting with the world renowned experts in the field.
- Discuss complication avoidance and management.

Monday, October 1 7:30 AM - 6:00 PM

Endoscopic Approaches to the Skull Base (Part I)

- HONORED GUEST LECTURE: Endoscopic Endonasal Surgery for Pituitary Tumors
- Microsurgery for Ventricular and Suprasellar Tumors
- HONORED GUEST LECTURE: Endoscopic & Endoscope-Assisted Microsurgery for Craniopharyngiomas
- Podium Dissection
 - Expanded Endonasal Trans-Sphenoidal Approach to the Sella and Parasellar Lesions
 - Endoscopic Approaches to the Anterior Skull Base
 - Endoscopic Nasoseptal Flap Reconstruction and CSF Leak Repair
- Hands-On Laboratory:
 - Endoscopic Key Hole Approach to the Anterior Skull Base
 - Endoscopic Key Hole Approach to the Middle & Infra-Temporal Fossa

- Endoscopic Trans-Orbital Approach to the Middle & Infra-Temporal Fossa
- Endoscopic Key Hole Approach to the Middle & Infra-Temporal Fossa
- Endoscopic Trans-Orbital Approach to the Middle & Infra-Temporal Fossa
- Endoscopic Key Hole Approach to the Posterior Fossa
- Endoscopic Key Hole Approach to the Clivus and Cranio-Cervical Junction
- Hands-On Laboratory:
 - Endoscopic Key Hole Approach to the Posterior Fossa
 - Endoscopic Trans-Orbital Approach
 - Endoscopic Approaches the Clivus and Cranio-Cervical Junction
 - Endoscopic Approach to the Middle & Infra-Temporal Fossa

- 3D Endoscopic & Microscopic Anatomy of the supra-orbital keyhole Approach, Anterior Fossa and Suprasellar Lesions
- Endoscopic Approaches/Outcomes to Anterior Skull Base Meningiomas
- Endoscope-Assisted Microsurgery for Vascular Lesions
- Hands-On Laboratory:
 - Expanded Endonasal Trans-Sphenoidal Approach to the Sella and Parasellar Lesions
 - Endoscopic Approaches to the Anterior Skull Base
 - Endoscopic Nasoseptal Flap Reconstruction and CSF Leak Repair
 - Orbital Keyhole Craniotomy
- Open Discussion of Endoscopic Ventricular and Skull Base Cases

Tuesday, October 2 7:30 AM - 4:00 PM

Endoscopic Approaches to the Skull Base (Part II)

- Complication Avoidance during Endoscopic Sellar and Suprasellar Tumor Surgery
- Endoscopic Trans-Orbital Approach
- Endoscopic Approach to the Middle & Infra-Temporal Fossa
- Podium Dissection
 - Endoscopic Trans-Orbital Approach
 - Endoscopic Approach to the Middle & Infra-Temporal Fossa
 - Endoscopic Key Hole Approach to the Middle & Infra-Temporal Fossa
 - Endoscopic Approach to the Clivus and Cranio-Cervical Junction
- Hands-On Laboratory:
 - Endoscopic Key Hole Approach to the Posterior Fossa
 - Endoscopic Trans-Orbital Approach
 - Endoscopic Approaches the Clivus and Cranio-Cervical Junction
 - Endoscopic Approach to the Middle & Infra-Temporal Fossa

- Endoscopic Key Hole Approach to the Middle & Infra-Temporal Fossa
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CONTINUING EDUCATION

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

Credit Designation: Saint Louis University School of Medicine designates this live activity for a maximum of *3.00 AMA PRA Category 1 Credit(s)*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

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Honored Guest: Henry Schneider, MD, PhD

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Invited Faculty:

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Unipê, Brazil

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REGISTRATION:

For Further Course Details
and REGISTRATION go to:
<http://pa.slu.edu>

This workshop will be held at the PASE
Learning Center located in Young Hall, 3839
Lindell Boulevard, Saint Louis, MO 63108

TUITION FEES:

Physicians: \$1895
Residents/Fellows/USA Military: \$1196

The education the participant gains through
our CME activities does not satisfy training
requirements to perform the surgery.

**Faculty subject to change; for
updates, please go to
<http://pa.slu.edu>**