4th Annual Saint Louis University Department of Neurosurgery

Combined Ventricular and Skull Base Endoscopy Course for Neurosurgeons:
Hands-on Cadaver Course

Course Director:
Samer K. Elbabaa, MD, FAANS, FACS
Honored Guest:
Charlie Teo, MBBS, FRACS

in Collaboration with IFNE
(International Federation of Neuroendoscopy)

http://pa.slu.edu
### Ventricular Anatomy and Basic Intra-Ventricular Procedures

- 3D Ventricular Anatomy: Cranioanatomic Points, Endoscopic Approaches and Correlating White Matter Fiber Tractography
- Basics of Neo-Endoscopy: Equipment and Surgical Planning
- Endoscopic Third Ventriculostomy (ETV): Technique, Indications and Outcomes
- Endoscopic Management of Complex Hydrocephalus
- Endoscopic Choroid Plexus Coagulation
- Podium Cadaveric Demonstration and Hands-On Laboratory:
  - Endoscopic Third Ventriculostomy
  - Endoscopic Septum Pellucidum Fenestration
  - Endoscopic Shunt Placement and use of Endoscopic Navigation
  - Endoscopic Choroid Plexus Coagulation

### Intra-Ventricular Tumors

- Honored Guest Lecture: Endoscopic Management of Intra-Ventricular Tumors
- Overview of Cadaveric Intra-Ventricular and Skull Base Tumor Models
- Honored Guest Lecture: Endoscopic Management of Colloid Cysts
- Podium Cadaveric Demonstration and Hands-On Laboratory:
  - Endoscopic Biopsy/Resection of Intra-Ventricular Tumors
  - Endoscopic Excision of Colloid Cyst: Approach to the Third Ventricle
  - Use of Stereotactic Navigation during Endoscopic Ventricular Surgery
  - Cadaveric Intra-Ventricular Tumor Model

### Endoscopic Approaches to the Skull Base (Part I)

- Basic Endoscopic Sinus and Skull Base Anatomy
- Standard Versus Expanded Endonasal Trans-Sphenoidal Approaches: Technique and Indications
- Endoscopic Management of Esthesioneuroblastomas
- Podium Cadaveric Demonstration:
  - Standard Endonasal Trans-Sphenoidal Approach to the Sella
  - Expanded Endonasal Trans-Sphenoidal Approach to the Sella and Paranasal Lesions
- Hands-On Laboratory: Standard and Expanded Endonasal Trans-Sphenoidal Approaches to the Sella

### Endoscopic Approaches to the Skull Base (Part II)

- Complication Avoidance During Endoscopic Sellar and Suprasellar Tumor Surgery
- Endoscopic Trans-Ontibial Approach
- Endoscopic Approach to the Middle & Infra-Temporal Fossa
- Podium Cadaveric Dissection:
  - Endoscopic Trans-Ontibial Approach
  - Endoscopic Approach to the Middle & Infra-Temporal Fossa
  - Endoscopic Key Hole Approach to The Ep Angle and Posterior Fossa
  - Endoscopic Approaches to the Clivus and Cranio-Cervical Junction
- Podium Cadaveric Dissection:
  - Endoscopic Key Hole Approach to The Posterior Fossa
  - Endoscopic Trans-Ontibial Approach
  - Endoscopic Approaches the Clivus and Cranio-Cervical Junction
  - Endoscopic Approach to the Middle & Infra-Temporal Fossa

### 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.

### 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.

### Continuing Education

Saint Louis University School of Medicine designates this live activity for a maximum of 29.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

### Registration Details & Course Fees

Physicians: ......................................................... $1895
Residents/Fellows/USA Military: ................................. $1195

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.