Ventricular Anatomy and Basic Intraventricular Procedures
▶ Intraventricular Anatomy • Cerebral Ventricles • Thalamic Ventricles • Subarachnoid Space • Basal Cisterns • Cerebellar Cisterns
▶ Intraventricular Anatomy: Concerning Points, Endoscopic Approaches and Controlling the White Matter Fiber Tractography
▶ Basics of Endovascular Equipment and Surgical Planning
▶ Intraventricular Third Ventricular Anatomy (ETV) Technique, Indications and Obstacles
▶ Management of Complex Hydrocephalus
▶ Cadaver Dissection and Hands-On Laboratory: Endoscopic Third Ventricular Endoscopy • Septum Pellucidum Hemostasis
▶ Cadaver Dissection and Placement of an Endoscopic Ventricular Access System

Intraventricular Tumors
▶ Endoscopic Management of Intraventricular Tumors
▶ Endoscopic Choroid Plexus Carcinoma (CPC) Technique & Outcomes
▶ Endoscopic Trans-sphenoidal Skull Base Surgery for Paranasal Sinus Malignancy
▶ Cadaver Dissection and Hands-On Laboratory: Endoscopic Repairing Resections of Intraventricular Tumor Malignant Changes of Intraventricular Tumors during Surgery
▶ Endoscopic Ventricular Surgery • Endoscopic Ventricular Catheter Placement
▶ Endoscopic Approaches to Certain Chronic Processes

REGISTERATION:
For Further Course Details and Registration
slu.edu/medicine/pase
The workshop will be held at the PASE Learning Center located in Young Hall, 3100 Lindell Boulevard, Saint Louis, MO 63108.
TUESDAY/TUESDAY:
Physicians: $2795	Endocrinologists/Fellows: $2595
Physicians in Training: $1795
The educationthe participants will gain through our CMSR activities does not satisfy training requirements for surgeons.
EDUCATIONAL OBJECTIVES
▶ Ventriculostomy and Skull base surgical approaches are complex procedures with a limited amount of expert surgeons in the field. Accurate surgery of the skull base is the cornerstone to ensure the knowledge of the intracranial surgical anatomy including a comprehensive understanding of the topographical anatomy and surrounding structures. These procedures require a strong understanding of the intracranial anatomy and technical knowledge of the various approaches that are used during different surgical procedures. In the workshop, we will focus on:
▶ The surgical skills
▶ Review and perform endoscopic surgical approaches to the lateral ventricles, including external and internal ventriculostomy techniques
▶ Endoscopic placement of shunt, perform endoscopic fenestration and remove intraventricular tumor
▶ Review and perform endoscopic surgical approaches to the ventricles, lateral and third ventricles and perform an endoscopic septum fenestration
▶ Learn and discuss the indications and differences between standard microsurgical and endoscopic approaches
▶ Discuss the surgical techniques and complexity of the various approaches and learn the various surgical skills and interacting with the world renowned experts in this field
▶ Complete all content areas and management

CONTINUING EDUCATION CREDITS
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 24.00 AMA PRA Category 1 Credit(s). (AMA PRA Cat. 1 CME Credit(s)) Physicians should only claim credit commensurate with the extent of their participation in the activity.
Course Director:
Samer K Elbabaa, MD, FAAP, FAANS, FACS
Medical Director, Pediatric Neurosurgery
Director, Pediatric Neurosurgery Center Excellence in Pediatric Neurosurgery
Arno Palmer Professor for Children
Professor of Neurosurgery
College of Medicine, University of Central Florida (UCF)
Orlando, FL

Adjunct Associate Professor of Neurosurgery
Department of Neurological Surgery
Saint Louis University School of Medicine
St. Louis, MO

Honored Guest:
Albert Sufianov, MD, DSc
Professor, Chief Physician and Medical Director
Central Director of Academic
Department of Neurosurgery
Sesnence University
Tyumnen, Russia

Distinguished Faculty:
Saleem Abdulrauf, MD, FACS
Professor and Chairman
Department of Neurosurgery
Saint Louis University, St. Louis, MO

Mohamed El Beltagy, MD, PhD, FACS
Professor of Neurosurgery
Cambridge University
Head of Neurosurgery Department
Children’s Cancer Hospital
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Joe Brunworth, MD
Assistant Professor
Department of Otolaryngology
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Clinical Professor in Neurosurgery
National Children’s Hospital
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Jeroen Coppens MD
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Assistant Professor, Neurosurgery
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Professor, Neurosurgeon-in-Chief
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James K. Liu MD, FACS, FAANS
Professor of Neurosurgery
Director, Skull Base and Cerebrovascular Surgery
Baylor University, New Jersey Medical School
Nashville, TN

Pablo Gonzalez-Lopez MD, PhD, FAAP
Associate Professor of Neurosurgery
University of Sao Paulo
Coimbra, Portugal

Philippe Mercier MD, PhD
Assistant Professor
Department of Neurosurgery
Saint Louis University School of Medicine
St. Louis, MO

Louis Cardinal Schools

Dinner: 6:15 pm

Faculty subject to change, for updates, please go to slu.edu/medicine/pase

The 6th Annual
Saint Louis University
COMBINED VENTRICULAR & SKULL BASE ENDOCOSCOPY COURSE FOR NEUROSURGEONS
In Collaboration with:
International Federation of Neuroendoscopy (IFNE)
and WFNS Neuroendoscopy Committee

June 7-9, 2019
St. Louis, Missouri, USA
HANDS ON CADVER WORKSHOP

Course Director: Samer K Elbabaa, MD, FAAP, FAANS, FACS
Honored Guest: Albert Sufianov, MD, DSc

ENDOSCOPIC APPROACHES TO THE SKULL BASE
Endoscopic Ventricular Surgery
Saturday, June 8, 2019
7:00 AM - 6:00 PM

Advanced Intraventricular- and Cranial Procedures
▶ Intraventricular Anatomy: Concerning Points, Endoscopic Approaches and Controlling the White Matter Fiber Tractography
▶ Intraventricular Management of Cerebral Gyri
▶ Endoscopes - Assisted Microsurgical Approach
▶ Intraventricular Management of Intraventricular Tumors
▶ Hands-On Laboratory - Endoscopic Deletion of Cerebral Gyri
▶ Approach to the Third Ventricular Sinus of Dorsolateral Ventricular Drainage
▶ Endoscopic Ventricular Surgery in Intracranial Tumors

Endoscopic Approaches to the Skull Base
▶ Endoscopic Ventricular Surgery and Endoscopic Skull Base Surgery
▶ Standard Bypass Expander Endoscopic Ventricular System: Endoscopic Approaches, Technique and Indications
▶ Endoscopic Mesencephalon Flaps Technique for the Skull Base
▶ Endoscopic Repair of CSF Leak
▶ Hands-On Laboratory: Standard Endoscopic Trans-Sphenoidal Approach to the Sella
▶ Endoscopic Repair of Endoscopic Paraocular Lesions
▶ Endoscopic Navigation of the Skull Base
▶ Reconstruction of the Skull Base
▶ Hands-On laboratory: Standard and Modified Endoscopic Trans-Sphenoidal Approach to the Sella
▶ Endoscopic Repair of the Skull Base
▶ Reconstruction of the Skull Base

CTA CALIFORNIA - ENDOSCOPY CAMPUS
July 12-13, 2019
San Diego, CA