



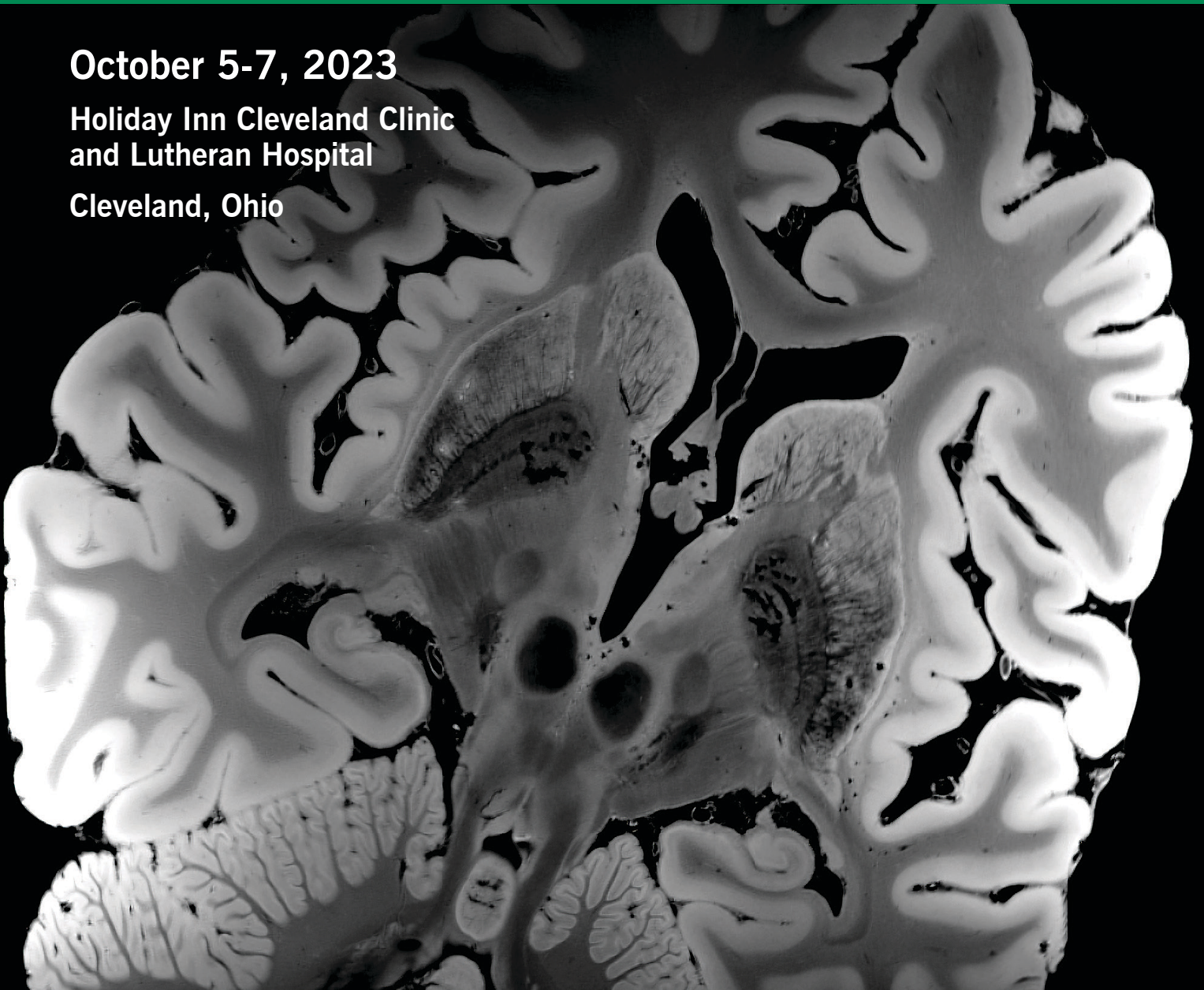
**RESIDENTS  
AND FELLOWS**  
Complimentary  
Registration

# Epilepsy Surgery Dissection Workshop

**October 5-7, 2023**

**Holiday Inn Cleveland Clinic  
and Lutheran Hospital**

**Cleveland, Ohio**



[www.ccfcmcme.org/epilepsysurgery](http://www.ccfcmcme.org/epilepsysurgery)

## OVERVIEW

**Epilepsy surgery offers hope to patients afflicted with drug resistant seizures, and can lead to significant improvements in their quality of life, including seizure freedom.** As many as one million patients are potential candidates for epilepsy surgery in the United States, and yet surgical volumes are not improving, implying that barriers continue to limit the adequate referral and surgical work-up of these patients. Moreover, with the majority of open surgical epilepsy procedures now focused to a smaller number of specialized centers, adequate training in the art of open techniques is becoming a lost skill.

**The goal of the Cleveland Clinic Techniques in Epilepsy Surgery course is to provide a hands-on educational forum for seasoned epilepsy neurosurgeons to interact with young neurosurgeons-in-training and junior neurosurgery faculty.** Basic anatomy, historical themes, detailed epilepsy surgery techniques and representative case presentations will be reviewed in both the classroom and laboratory setting. Indications regarding open resection versus neuromodulation will be emphasized. The topics of robotic stereotactic surgery, laser ablation, vagal nerve stimulation, responsive neurostimulation, deep brain stimulation and focused ultrasound will also be reviewed, spanning the armamentarium of innovative techniques available to the aspiring epilepsy neurosurgeon of the modern era. The neurosurgical lab at Lutheran hospital will be utilized to demonstrate and offer hands-on practice of core epilepsy surgical techniques using cadaveric anatomical specimens. Additionally, strategies for developing an epilepsy surgery practice, and inherent challenges to successful epilepsy surgery, will be highlighted. Ultimately, this course is dedicated to training the next generation of emerging surgical leaders in epilepsy, in a collaborative and collegial environment, to improve care for epilepsy patients around the country.

## WHO SHOULD ATTEND?

**This educational activity is intended for neurosurgeons interested in epilepsy surgery.**

## LEARNING OBJECTIVES

**After completing this educational activity, participants will be able to do the following:**

- Describe the surgical anatomy of the temporal lobe and how the underlying pathology relates to the choice of surgical technique.
- Summarize the overall outcomes from surgeries for treating patients with epilepsy.
- Demonstrate the basic surgical techniques necessary to complete a functional disconnection of the epileptic cerebral hemisphere.
- Discuss the complexity of identifying ictal onsets in cortical regions outside the temporal lobe and identify specific techniques that allow safe surgical resection in eloquent cortex areas.
- Debate the rationale and show the appropriate techniques for placement of intracerebral electrodes to prove a hypothesis of seizure onset based on individual patient characteristics.
- Demonstrate the techniques of and rationale for of vagus nerve stimulation, responsive neurostimulation, and deep brain stimulation therapies.

## AGENDA

### Thursday, October 5, 2023 | *Holiday Inn Cleveland Clinic*

- 5:00 pm **Welcome:** William Bingaman
- 5:10 pm **Historical Highlights of Epilepsy Surgery** - Imad Najm
- 6:10 pm **Dinner**
- 6:25 pm **Panel Discussion: Invasive EEG Technology**
- 8:00 pm **Adjourn**

### Friday, October 6, 2023 | *Lutheran Hospital*

- 7:30 am **Registration/Continental Breakfast/Exhibits**
- 8:00 am **SEEG Indications and Pearls** -Nitin Tandon
- 8:30 am **Robots and Electrodes** - Alexander Whiting, Stephen Harasimchuk
- 9:00 am **Temporal Lobe Anatomy** - Demitre Serletis
- 9:30 am **Temporal Lobe Surgery: Techniques** - Sumeet Vadera
- 10:00 am **Refreshment break/Exhibits**
- 10:30 am **Hippocampal Function from a Surgeon's View** - Bradley Lega
- 11:00 am **Frontal Lobe Anatomy** - Miguel Lopez-Gonzalez
- 12:00 pm **Lunch/Exhibits**
- 1:00 pm **Lab: Temporal Lobectomy** - All Faculty
- 4:30 pm **Predicting Seizure Response To Neuromodulation Using Connectomic Profiling**  
- George Ibrahim
- 5:15 pm **Adjourn**
- 7:00 pm **Social Event**

### Saturday, October 7, 2023 | *Lutheran Hospital*

- 7:30 am **Continental Breakfast/Exhibits**
- 8:00 am **Laser Ablation Indications and Technique** - Robert McGovern
- 8:30 am **Stimulation Techniques**  
**RNS** - Patrick Karas  
**DBS** - Richard Rammo  
**VNS** - Francesco Pucci
- 9:30 am **Hemispheric Surgery for Epilepsy** - William Bingaman
- 10:00 am **Lab: Hemispherectomy/SEEG Video** - All Faculty
- 1:00 pm **Adjourn**

## CLEVELAND CLINIC COURSE DIRECTORS

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### **William Bingaman, MD**

Vice Chair  
Director, Epilepsy Surgical Program  
Shusterman Chair Epilepsy Surgery  
Professor of Neurological Surgery  
Lerner College of Medicine of Case Western  
Reserve University

### **Richard Rammo, MD**

Staff Neurosurgeon  
Epilepsy Center  
Center for Neurological Restoration

### **Demitre Serletis, MD, PhD**

Associate Staff Physician, Epilepsy Center  
Department of Neurosurgery  
Joint Staff, Department of Biomedical Engineering,  
Lerner Research Institute

## CLEVELAND CLINIC FACULTY

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### **Imad Najm, MD**

Director, The Charles Shor Epilepsy Center  
Vice Chair, Neurological Institute for Strategy  
and Development  
The Joe and Ellen Thomas Chair in Epilepsy

### **Fawaz Alotaibi, MD**

### **Stephen Harasimchuk, R. EEG T.**

### **Nehaw Sarmey, MD**

### **Akshay Sharma, MD**

## GUEST FACULTY

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### **Jason Hsieh, MD, MS**

Functional and Epilepsy Neurosurgery Fellow  
UT Southwestern Medical Center  
Dallas, TX

### **Gwyneth Hughes**

Akron Children's Hospital  
Akron, OH

### **George Ibrahim, MD, PhD**

The Hospital for Sick Children  
University of Toronto  
Toronto, Ontario, Canada

### **Patrick Karas, MD**

The University of Texas Medical Branch  
Galveston, TX

### **Bradley Lega, MD**

UT Southwestern Medical Center  
Dallas, TX

### **Miguel Lopez-Gonzalez, MD**

Loma Linda University  
Loma Linda, CA

### **Andres Maldonado, MD**

University of Illinois  
College of Medicine Peoria  
Peoria, IL

### **Robert McGovern, MD**

The University of Minnesota  
Minneapolis, MN

### **Francesco Pucci, MD**

University of Illinois Chicago  
Chicago, IL

### **Abraham Sabersky, MD**

Mary Washington Neurosurgery  
Fredericksburg, VA

### **Nitin Tandon, MD**

UTHealth Houston  
Houston, TX

### **Sumeet Vadera, MD, MBA, FAANS**

University of California, Irvine  
Irvine, CA

### **Alexander Whiting, MD**

Allegheny General Hospital  
Pittsburgh, PA

## GENERAL INFORMATION

### Location

#### Lectures and Labs

Cleveland Clinic Lutheran Hospital  
1730 W. 25th Street, Cleveland, Ohio

### Hotel Accommodations

Hotel reservations are separate from the course registration and are the responsibility of the participant. A block of rooms at the group rate of \$159 + tax has been reserved at:

#### Holiday Inn Cleveland Clinic

8650 Euclid Ave, Cleveland, OH 44106  
Telephone: **216.707.4200**

The cut-off date for the special rate is **September 4, 2023.**

### Information

For further information about this activity, contact Shana Spade at:  
Phone: **800.223.2273 x49380**  
Email: **spades@ccf.org**

### FEES INCLUDE

Thursday dinner, Friday social event, syllabus, continental breakfasts, refreshment breaks, and lunches.

### Health & Safety

All applicable Centers for Disease Control (CDC), state, and local safety protocols will be enforced for this event. Additional attendance requirements may be implemented to ensure attendee health and safety.

### Americans with Disabilities Act

The Cleveland Clinic Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

### Registration and Cancellation

**Preregistrations are accepted online until 5:00 pm (EST), September 29, 2023.** Please note, the course size is limited and onsite registrations will not be accepted. In case of cancellation, a full refund will be made if cancelled by September 22, 2023. After September 29, 2023, a \$50 cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. **NO REFUNDS WILL BE ISSUED AFTER OCTOBER 5, 2023.**

For questions about registration, call **216.448.8710** or email **cmeregistration@ccf.org**

Category	Fees
Physician	\$1000
Resident*/Fellow	\$0

*\*Letter from program director is required to receive the discounted fee.  
Cleveland Clinic employee fees and registration are available online only.*

For questions about registration, call **216.448.8710** or email **cmeregistration@ccf.org**

*Cleveland Clinic reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.*