

# Epilepsy Surgery Practical Workshop

Cleveland Hyatt Regency at the Arcade and Lutheran Hospital  
May 30-June 2, 2019



*Hosted by*

**Epilepsy Surgery Review Course for Residents and Fellows**  
*Conference Center and Anatomy Lab, Lutheran Hospital, Cleveland, Ohio*  
*May 30<sup>th</sup> to June 2<sup>nd</sup>, 2019*

**FACULTY**

**Nicholas Barbaro**, Indiana University

**Robyn Busch**, Cleveland Clinic

**Patrick Chauvel**, Cleveland Clinic

**Dario Englot**, Vanderbilt University

**Jorge Gonzalez-Martinez**, Cleveland Clinic

**Robert Gross**, Emory University

**Stephen Jones**, Cleveland Clinic

**Robert McGovern**, University of Minnesota

**Jonathan Miller**, University Hospitals

**Imad Najm**, Cleveland Clinic

**Steven Ojemann**, University of Colorado

**Mark Richardson**, University of Pittsburgh

**Steven Roper**, University of Florida

**Jason Schwalb**, Henry Ford Health System

**Sameer Seth**, Baylor University

**Ashwini Sharan**, Thomas Jefferson University

**Nitin Tandon**, University of Texas

**Jon Willie**, Emory University

**PROPOSED AGENDA**

**Thursday May 30<sup>th</sup> – Hyatt Regency at the Arcade**

5:00 PM Registration

6:00 PM Welcome – Michael Steinmetz, Jorge Gonzalez-Martinez and Dario Englot

6:15 PM The Scope of Epilepsy Surgery: Current Practice and Future Directions – Imad Najm

7:00 PM Discussion

7:30 PM Opening Reception – Hyatt Regency Arcade

## **Friday May 31<sup>st</sup> - Lutheran Hospital**

### **Module 1: The Basics**

- 7:00 AM Fundamentals of Epilepsy Surgery – Nicolas Barbaro
- 7:30 AM Neuroanatomy Applied to Epilepsy Surgery – Steve Roper
- 8:00 AM Electrophysiology and Semiology in Temporal Lobe Epilepsy – Patrick Chauvel
- 8:30 AM Fundamentals of Neuroimaging Applied to Epilepsy Surgery – Stephen Jones
- 9:00 AM Discussion
- 9:15 AM **Break**
  
- 9:30 AM The Role Neuropsychology Evaluation – Robyn Busch
- 10:00 AM Neuropathology and Epilepsy – Workshop Faculty
- 10:30 AM Nuances of Epilepsy Surgery in the Pediatric Population – Robert McGovern
- 11:00 AM Basics of Neuromodulation for Epilepsy – Jonathan Miller
- 11:30 AM Open Loop vs Close Loop Neuromodulation for Epilepsy – Jorge Gonzalez-Martinez
- 12:00 N Discussion
  
- 12:15 PM Lunch and Case Discussion

### **Module 2: Surgical interventions and methods: Indications and Results**

- 1:30 PM Invasive Monitoring in Difficult to Localize Epilepsies – Steve Ojemann
- 2:00 PM Functional and Anatomical Hemispherectomies – Dario Englot
- 2:30 PM Callosotomies – Jon Willie
- 3:00 PM Vagal Nerve Stimulation – Jason Schwalb
- 3:30 PM Discussion
- 3:45 PM **Break**
- 4:00 PM Laser Therapy for Epilepsy – Bob Gross
- 4:30 PM Responsive Neurostimulation – Mark Richardson
- 5:00 PM Deep Brain Stimulation for Epilepsy – Ashwini Sharan
- 5:30 PM Discussion
- 6:00 PM Adjourn
  
- 7:00 PM **Reception at The Corner Alley**

**Saturday June 1<sup>st</sup> - Lutheran Hospital**

**Module 3: Surgical Technique – Theory and Hands-on**

- 7:00 AM Introduction and Remarks – Jorge Gonzalez-Martinez
- 7:15 AM Temporal Lobectomy – Nicholas Barbaro
- 7:45 AM Frontal and Parietal-Occipital Resections – Nitin Tandon
- 8:15 AM Corpus Callosotomies – Jon Willie
- 8:45 AM Discussion

**9:00-12:00 Hands-On Lab**

*Temporal lobectomy*  
*Frontal and Parietal-Occipital Resections*  
*Corpus Callosotomies*

**Saturday June 1<sup>st</sup> - Lutheran Hospital**

- 12:15 PM Lunch and Case Discussion
- 1:30 PM Anatomical and Functional Hemispherectomies – Ashwini Sharan
- 2:00 PM SEEG and Subdural Grids – Jorge Gonzalez-Martinez
- 2:30 PM Responsive Nerve Stimulator and Deep Brain Stimulation – Mark Richardson
- 3:00 PM Laser Therapy for Epilepsy – Bob Gross
- 3:30 PM **Break**

**4:00-7:00 Hands-On Lab**

*Hemispherectomies*  
*Robotic SEEG*  
Responsive Nerve Stimulator and DBS  
Laser Therapy

**8:00 PM Reception at the House of Blues**

**Sunday June 2<sup>nd</sup> - Lutheran Hospital**

- 8:00 AM Final Remarks and Case Discussions
- 10:00 AM Adjourn