24th Annual International Epilepsy Symposia
October 5-11, 2014
Cleveland Convention Center/Global Center for Health Innovation

Pediatric Epilepsy Surgery in Children:
Impact of Brain Development and Pathology
October 5-8, 2014

Status Epilepticus:
Overview and Scope of the Problem
October 9-10, 2014

Brain Mapping Workshops:
SEEG in Temporo-Perisylvian Epilepsies
October 8-11, 2014
Epilepsy Surgery In Children: Impact of Brain Development and Pathology

October 5-8, 2014

Description
This unique epilepsy symposium will provide a comprehensive and at the same time refreshing approach to the evaluation and surgical management of pediatric patients with uncontrolled seizures. Specifically, the symposia will focus on the current state and future directions of presurgical evaluations and epilepsy surgery guided by our renewed understanding of the underlying pathology in each individual. With the widespread use of noninvasive and invasive evaluations and epilepsy neurosurgery the need arises to better define the pathological substrate and tailor our investigations, and expectations accordingly. This goal will be accomplished by detailing the structural and histopathological identification of each epileptic substrate. We will then review neuroimaging, electro-clinical and anatomo-functional, typical and atypical, presentations of each pathological substrate in pediatric patients with medically-intractable epilepsies. We will then review the process of individualized surgical decision-making based on illustrative case discussions.

Target Audience
The symposium is designed for adult and pediatric neurologists and epileptologists, neurosurgeons performing epilepsy surgery in adults and children, neuroradiologists, clinical neurophysiologists, psychiatrists, clinical neuropsychologists, social workers and other expert caretakers of patients across all age groups with epilepsy.

Course Objectives
- Discuss the management of complex and refractory epilepsy in children with various pathologies focusing on epilepsy surgery
- Review individualized per-surgical evaluation, surgical approaches and techniques and outcomes after epilepsy surgery.

Symposium Directors
Ajay Gupta, MD
William Bingaman, MD
Imad Najm, MD
Elaine Wyllie, MD
Cleveland Clinic

Faculty
Andreas Alexopoulos, MD
Juan Bulacio, MD
Patrick Chauvel, MD
Jorge Gonzalez-Martinez, MD, PhD

Lara Jehi, MD
Stephen Jones, MD, PhD
Prakash Kotagal, MD
Deepak Lachhwani, MD
Dileep Nair, MD
Elia Pestana-Knight, MD
Paul Ruggieri, MD
Norman So, MD
Ahsan Moosa Naduvil Valappil, MD

Guest Faculty
Mario Alonso, MD
Mexico City, Mexico
Alexis Arzimanoglou, MD
Lyon, France
Sanjiv Bhatia, MD
Miami, FL
Ingmar Blümcke, MD
Erlangen, Germany
Manuel Campos, MD
Santiago, Chile
Fernando Cendes, MD, PhD
Campinas, Brazil
Kevin Chapman, MD
Aurora, CO
Tsue Lee Chen, MD
Akron, OH
Harry Chugani, MD
Detroit, MI
Helen Cross, MD
London, UK
Dan Curry, MD
Houston, TX
Bertrand Devaux, MD
Paris, France
Michael Duchowny, MD
Miami, FL
John Duncan, MD, PhD
London, UK
Stefano Francione, MD, PhD
Milan, Italy
William Gaillard, MD
Washington, DC
Gerry Grant, MD
Stanford, CA
Hans Holthausen, MD
Vogtareuth, Germany
Gwyneth Hughes, MD
Akron, OH
Prasanna Jayakar, MD
Miami, FL
Bradley Lega, MD
Philadelphia, PA
Giorgio Lo Russo, MD
Milan, Italy
Tobias Loddenkemper, MD
Boston, MA
Helio Machado, MD
Rio de Janeiro, Brazil
Guy McKhann, MD
New York, NY
Mohamad Mikati, MD
Durham, NC
Marcia E Morita, MD
Sao Paulo, Brazil
Roger Packer, MD
Washington, DC
Eliseu Paglioli, MD
Porto Alegre, Brazil

André Palmini, MD, PhD
Porto Alegre, Brazil
Harold Rekate, MD
Great Neck, NY
Loreto Rios-Pohl, MD
Santiago, Chile
Americo Sakamoto, MD
Ribeirao Preto, Brazil
Harvey Sarnat, MD
Calgary, Canada
Michael Sather, MD
Hershey, PA
Demtre Serletis, MD
Little Rock, AR
Nitin Tandon, MD
Houston, TX
Laura Tassi, MD
Milan, Italy
Helder Tedeschi, MD
São Paulo Brazil
W. Hung Tzu, MD
Porto Alegre, Brazil
Sumeet Vadera, MD
Los Angeles, CA
Howard Weiner, MD
New York, NY
Daniel Yosher, MD
Houston, TX
Day 1: October 5, 2014

7:45-8:10 am  Opening Remarks and Introductions
Ajay Gupta/William Bingaman

Morning Session:
8:10-8:40 am  Keynote Presentation
Epilepsy Surgery in Children: How Far Have We Come and Where to Go Next?
Elaine Wyllie

8:40-11:00 am  Epilepsy Surgery for Focal Cortical Dysplasia (FCD)
Session Chairs: Harry Chugani and Ajay Gupta

8:40-9:10 am  EEG in FCD: Developmental Evolution and How It Could Be Progressive?
Ajay Gupta

9:10-9:40 am  Role of Brain PET and DTI in FCD: When Is It Necessary and Why?
Harry Chugani

9:40-10:10 am  Brain MRI: Changes with Brain Development and Pathological Classifications. Optimal MRI Protocols from Infancy to Childhood?
Paul Ruggieri

10:10-10:30 am  Break

10:30-11:00 am  FCD: Role of SPECT, MEG, and fMRI: When Is It Necessary and Why?
Andreas Alexopoulos

11:00-12:20 pm  FCD: Surgical Case Based Discussions
Session Chairs: André Palmini and Lara Jehi
Panel Members: Laura Tassi, Norman So, Giorgio Lo Russo, Harry Chugani

11:00-11:40 am  A Case of Peri-Rolandic Dysplasia
Andre Palmini

11:40-12:20 pm  A Case of Opercular or Insular Epilepsy Using Stereo EEG
Laura Tassi

12:20-1:20 pm  Lunch

Afternoon Session:
1:20-1:30 pm  Introductions
Elaine Wyllie

1:30-2:00 pm  Keynote Presentation
Histo-pathological Spectrum of Dysplastic Lesions from Infancy and Beyond: Ever Changing Classification and the Science Behind It
Ingmar Blumcke

2:00-4:30 pm  Multi-lobar/hemispheric Dysplasias
Session Chairs: Giorgio Lo Russo and Fernando Cendes

2:00-2:30 pm  What are Dysplasias? Genetic and Environmental Mechanisms in Dysplastic vs Normal Brain Development
Harvey Sarnat

2:30-3:00 pm  Multi-lobar Dysplasias – Hemispheric Malformations – Hemimegalencephaly: Clinical, MRI and VEEG Findings and Challenges in Epilepsy Surgery Selection
Hans Holthausen

3:00-3:30 pm  Surgical Techniques and Outcomes of Hemispherectomy Around the Globe – What and How It Has Changed? Is There a Consensus?
William Bingaman

3:30-4:00 pm  Break

4:00-4:30 pm  Surgical Approaches and Outcomes in FCD: When Is Invasive Extraoperative Video EEG Necessary?
Imad Najm

4:30-6:00 pm  Case Discussion
Session Chairs: Prakash Kotagal and Elia Pestana-Knight
Panel Members: Helio Machado, Ahsan Moosa Naduvil Valapill, Eliseu Paglioli, Loreto Rios-Pohl

4:30-5:15 pm  A Case of Multi-Lobar Dysplasia
Loreto Rios-Pohl

5:15-6:00 pm  A Case of Reoperative Hemispherectomy
Ahsan Moosa Naduvil Valapill

Agenda is subject to change.
### Morning Session:

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:45-8:00 am</td>
<td>Introductions</td>
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<tr>
<td>8:00-8:30 am</td>
<td>Keynote Presentation</td>
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<tr>
<td></td>
<td>“Early” Epilepsy Surgery in Children – The Interface of Plasticity</td>
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<td>and Progression: What Is the Evidence?</td>
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<td></td>
<td>Michael Duchowny</td>
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<td>8:30-10:00 am</td>
<td>Morning Session: Vascular and Dual Pathologies in Children</td>
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<td>Session Chairs: Hans Holthausen and Americo Sakamoto</td>
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<td>8:30-9:00 am</td>
<td>Sturge Weber Syndrome – Can We Settle the Debate for Early Surgery:</td>
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<td>Hemispherectomy vs Tailored Resection?</td>
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<td>Alexis Arzimanoglou</td>
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<td>9:00-9:30 am</td>
<td>Ischemic Strokes and Perinatal Substrates: When Bi-laterality May</td>
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<td>Not Be a Surgical Contraindication?</td>
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<td>Prakash Kotagal</td>
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<td>9:30-10:00 am</td>
<td>Dual Hits – Mesial Temporal Sclerosis (MTS) and MTS Plus: Lessons</td>
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<td>and Implications for Surgical Intervention</td>
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<td>Fernando Cendes</td>
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<td>10:00-10:20 am</td>
<td>Break</td>
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<tr>
<td>10:20-11:40 am</td>
<td>SPECIAL PROGRAM: DUDLEY DINNER LECTURE</td>
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<td>Chair: Imad Najm</td>
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<tr>
<td>10:20-10:35 am</td>
<td>Introduction</td>
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<td>Imad Najm</td>
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<td>10:35-11:25 am</td>
<td>Multimodal Imaging in Epilepsy: State-of-the-Art</td>
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<td>John Duncan</td>
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<td>11:25-11:40 am</td>
<td>Award Ceremony</td>
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<td>11:40-1:00 pm</td>
<td>Case Discussions</td>
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<td>Session Chairs: Alexis Arzimanoglou and Deepak Lachhwani</td>
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<td></td>
<td>Panel Members: Tobias Loddenkemper, Prakash Kotagal, Giorgio Lo</td>
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<td>Russo, Howard Weiner</td>
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<tr>
<td>11:40-12:20 am</td>
<td>A Case of Bilateral Perinatal Lesions (PVL or Encephalomalacia or</td>
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<td>Stroke)</td>
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<td>Deepak Lachhwani</td>
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<td>12:20-1:00 pm</td>
<td>Sturge Weber Syndrome: Hemispherectomy vs Tailored Resection</td>
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<td>Tobias Loddenkemper</td>
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<td>1:00-2:00 pm</td>
<td>Lunch</td>
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### Afternoon Session:

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>2:00-4:00 pm</td>
<td>Epilepsy Surgery in Multi-lesional, Subcortical and Progressive</td>
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<td>Pathologies</td>
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<td>Session Chairs: Helen Cross and Elaine Wyllie</td>
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<td>2:00-2:30 pm</td>
<td>Tuberous Sclerosis Complex: Surgical Strategy in a “Truly” Difficult</td>
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<td>Patient</td>
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<td>Howard Weiner</td>
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<td>2:30-3:00 pm</td>
<td>Focal Surgery in Extensive Malformations (Incomplete Resection): Is</td>
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<td>It Possible and How to Do It?</td>
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<td>Prasanna Jayaker</td>
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<td>3:00-3:30 pm</td>
<td>Rasmussen’s Syndrome – Immune Modulation vs Hemispherectomy: Not Too</td>
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<td>Early But Not Too Late</td>
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<td>Helen Cross</td>
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<td>3:30-4:00 pm</td>
<td>Subcortical Heterotopia Lesions – Are These Surgical Targets and Need</td>
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<td>Different Techniques?</td>
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<td>Stefano Francione</td>
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<td>4:00-4:30 pm</td>
<td>Break</td>
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<td>4:30-6:15 pm</td>
<td>Cases Discussion</td>
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<td>Session Chairs: Loreto Rios-Pohl and Lara Tassi</td>
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<td>Panel Members: Manuel Campos, Stefano Francione, Marcia Morita,</td>
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<td>Eliseu Paglioli, Daniel Yosher</td>
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<td>4:30-5:05 pm</td>
<td>Focal Resection in a Large Malformation</td>
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<td>Manuel Campos</td>
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<td>5:05-5:40 pm</td>
<td>Tuberous Sclerosis Case</td>
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<td>Eliseu Paglioli</td>
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<td>5:40-6:15 pm</td>
<td>Case of Large Temporal- Parietal-Subcortical Heterotopic and</td>
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<td>Hippocampal Malformations with Temporal Lobe Seizures – What to Do?</td>
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<td>Marcia E. Morita</td>
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Agenda is subject to change.
Day 3: October 7, 2014

Morning Session:

7:45-8:00 am  Introductions
William Bingaman

8:00-8:30 am  Keynote Presentation
How Could We Better Define “Good Outcome” After Pediatric Epilepsy Surgery Across Severity and Disease Spectrum?
Helio Machado

8:30-10:00 am  Epileptogenic Brain Tumors in Children – Is the Outcome Really as Good?
Session Chairs: Roger Packer and Harold Rekate

8:30-9:00 am  Pediatric Epileptogenic Tumors and Borderland of Dysplasia – What Is the Connection to Cure Epilepsy?
Deepak Lachhwani

9:00-9:30 am  Hypothalamic Hamartoma: Natural History, Surgical Options and Outcomes?
Harold Rekate

9:30-10:00 am  Non-AED Management and Longitudinal Imaging “Before and After Surgery” – When Could Epileptologist Sign Off the Case?
Roger Packer

10:00-10:20 am  Break

10:20-11:00 am  Case Discussions
Session Chairs: Manuel Campos and Dileep Nair
Panel Members: Dan Curry, Kevin Chapman, Harold Rekate, Michael Duchowny

10:20-11:00 am  Extratemporal Lobe Tumor with Functional Mapping or Challenging Dilemmas
Dileep Nair

11:00-11:40 am  Hypothalamic Hamartoma
Kevin Chapman

11:40-12:20 pm  A Case of Heterotopia (or Deeply Located Lesion) – Dan Curry

12:20-1:30 pm  Lunch

Afternoon Session:

1:30-3:30 pm  The Challenge of Surgery in MRI Negative Focal Epilepsies
Session Chairs: Bill Gaillard and Mohamad Mikati

1:30-2:00 pm  Normal or Equivocal Brain MRI: How May We Bring the Lesion Out?
Stephen Jones

2:00-2:30 pm  Normal or Unequivocal Brain MRI: Role of Complimentary Imaging Techniques
Bill Gaillard

2:30-3:00 pm  Indications and Choice of Invasive Techniques in MRI Negative Partial Epilepsy
Jorge Gonzalez-Martinez

3:00-3:30 pm  Focal Epilepsies in Genetic Metabolic Substrates: Who Could Be a Surgical Candidate for Resection?
Mohamad Mikati

3:30-4:00 pm  Break

4:00-6:00 pm  Case Discussions – Illustrative Non-lesional Epilepsy Cases
Session Chairs: Juan Bulacio and Patrick Chauvel
Panel Members: Hans Holthausen, Americo Sakamoto, Elia Pestana Knight, Nitin Tandon

Day 4: October 8, 2014

7:45-8:00 am  Introduction
William Bingaman

Morning Session:

8:00-10:30 am  Beyond Resective Surgeries in Pediatric Epilepsy
Session Chairs: William Bingaman and Mario Alonso

8:00-8:45 am  Non-Resective Epilepsy Surgery – Palliative vs Curative
Mario Alonso

8:45-9:30 am  Laser Guided Ablation and Neuromodulation in Pediatric Epilepsy Surgery
Dan Curry

9:30-10:15 am  Future of Pediatric Epilepsy Surgery: A Surgeon’s Perspective
William Bingaman

10:15-10:30 am  Concluding Remarks
Ajay Gupta/William Bingaman

10:30 am  Adjourn Didactic Lectures

10:30-6:00 pm  Surgical Workshop

Agenda is subject to change.
Epilepsy Surgery Workshop

October 8, 2014, 10:30-6:00 pm

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>10:30-10:45 am</td>
<td>Shuttle to Lutheran Hospital</td>
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<tr>
<td>10:45-11:00 am</td>
<td>Welcome and Introduction</td>
<td>William Bingaman</td>
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<td>11:00-11:20 am</td>
<td>Surgery In and Around Motor Cortex</td>
<td>Giorgio Lo Russo</td>
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<td>11:20-11:40 am</td>
<td>Hemispherectomy Technique</td>
<td>William Bingaman</td>
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<td>11:40-12:00 pm</td>
<td>Temporal Lobectomy: Anatomy and Technique</td>
<td>Sanjiv Bhatia</td>
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<td>12:00-12:30 pm</td>
<td>Lunch Discussion: Use of Intraop EOG</td>
<td>Eliseu Paglioli</td>
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<td>12:30-12:50 pm</td>
<td>Laser Ablation</td>
<td>Dan Curry</td>
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<td>12:50-1:10 pm</td>
<td>Corpus Callosotomy</td>
<td>Helio Machado</td>
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<td>1:10-1:30 pm</td>
<td>Language Mapping in Children</td>
<td>Gerry Grant</td>
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<td>1:30-1:50 pm</td>
<td>Planning Resection After SEEG</td>
<td>Jorge Gonzalez-Martinez</td>
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<td>1:50-2:00 pm</td>
<td>Minimizing Complications</td>
<td>Nitin Tandon</td>
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<td>2:00-2:20 pm</td>
<td>Transition to Lab</td>
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<td>2:20-2:30 pm</td>
<td>Lab Dissection</td>
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<td>2:30-3:00 pm</td>
<td>Temporal Lobectomy: Anatomy and Technique</td>
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<td>Nitin Tandon</td>
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<td>4:20-4:40 pm</td>
<td>Language Mapping in Children</td>
<td>Gerry Grant</td>
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<td>4:40-5:00 pm</td>
<td>Planning Resection After SEEG</td>
<td>Jorge Gonzalez-Martinez</td>
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<td>5:00-5:20 pm</td>
<td>Minimizing Complications</td>
<td>Nitin Tandon</td>
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<td>5:20-5:40 pm</td>
<td>Language Mapping in Children</td>
<td>Gerry Grant</td>
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<td>5:40-6:00 pm</td>
<td>Dinner</td>
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Call for Abstracts

The Cleveland Clinic Epilepsy Surgery Symposium organizing committee invites meeting attendees to submit abstracts describing original epilepsy-related research.

The committee is also happy to announce the institution of the Cleveland Clinic Epilepsy Center Research Award. This award is offered to meeting attendees from within the United States and abroad whose abstracts provide a significant contribution to the Symposium’s general theme and the understanding of epilepsy mechanisms and treatments.

Five winners will be selected by the organizing committee. The winners will have their meeting registration fee waived and will be provided free accommodation in the meeting hotel’s headquarters, as well as the opportunity to present their data in a dedicated session and ceremony.

Our goal is to encourage young researchers in the field of epilepsy by providing them with an opportunity to showcase and discuss their results with experts in the field, and provide ground for further investigations. All other accepted abstracts will be shown in a poster session.

Symposium for Status Epilepticus
October 9-10, 2014

The status epilepticus symposium will review the fundamentals of status epilepticus, update our colleagues on the modern medical practice, and discuss the future of treatment and recovery. Status epilepticus is often under recognized particularly in the critical care setting and making the diagnosis is the first step before treatment can be initiated. Treating status is not straightforward and our algorithms are outdated and often ineffective at stopping seizures. We will discuss the use of new and innovative medical approaches to stop and prevent seizures. The outcome of status epilepticus is highly dependent on the care and support of the patient during treatment. We will also discuss the future of preventing complications of treatment and innovations to improve patient outcomes.

**Symposium Directors**

**Imad Najm, MD**  
**Stephen Hantus, MD**

**Guest Faculty**

**Thomas Bleck, MD**  
Chicago, IL

**Elizabeth E Gerard, MD**  
Chicago, IL

**Eric Lancaster, MD, PhD**  
Philadelphia, PA

**James J. Riviello Jr., MD**  
New York, NY

**Cleveland Clinic Faculty**

**Andreas Alexopoulos, MD**

**Dhimant Dani, MD**

**Edward Manno, MD**

**Laurie McWilliams, MD**

**Ahsan Moosa Naduvil Valappil, MD**

**Norman So, MD**

**Target Audience**

The symposium is designed for adult and pediatric neurologists and epileptologists, neurosurgeons performing epilepsy surgery in adults and children, neuroradiologists, clinical neurophysiologists, psychiatrists, clinical neuropsychologists, social workers, and other expert caretakers of patients across all age groups with epilepsy.

- Discuss the definitions and epidemiology of Status Epilepticus (SE)
- Review the pathophysiology of SE
- Discuss the role of continuous EEG monitoring in the diagnosis and management of SE
- Review the algorithm of medical management of SE and discuss the contributions of new antiepileptic medications and formulations in the modern management of SE
- Discuss the medical complications of SE and the management approach to improve patient outcomes
- Discuss the neurological and cognitive outcomes of SE
### Status Epilepticus: Overview and Scope of the Problem

**October 9-10, 2014**

#### Thursday, October 9

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<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tr>
<td>8:00-8:15 am</td>
<td>Welcome and Introductions</td>
<td>Stephen Hantus</td>
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<tr>
<td>8:15-9:00 am</td>
<td>ICU EEG Monitoring: What Does the Future Hold</td>
<td>Stephen Hantus</td>
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<tr>
<td>9:00-9:45 am</td>
<td>Case Study #1: Refractory Status Epilepticus with ICH</td>
<td>Moderator: Dhimant Dani</td>
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<td>9:45-10:00 am</td>
<td>Break/Exhibits</td>
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<td>10:00-11:00 am</td>
<td>Special Considerations of Status Epilepticus in the Pediatric and Neonate</td>
<td>James Riviello Jr</td>
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<td>11:00-11:45 am</td>
<td>Case Study #2: Pediatric Status Epilepticus</td>
<td>Moderator: Ahsan Moosa Naduvil Valappil</td>
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<td>11:45-1:00 pm</td>
<td>Lunch</td>
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<td>1:00-2:00 pm</td>
<td>The Use of Anti-Epileptic Drugs in Status in the Era of ICU EEG</td>
<td>Elizabeth Gerard</td>
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<td>2:00-2:45 pm</td>
<td>Case Study #3: Medically Intractable Status and the Rational Use of AEDs</td>
<td>Moderator: Norman So</td>
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<td>2:45-3:15 pm</td>
<td>Break/Exhibits</td>
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<tr>
<td>3:15-4:15 pm</td>
<td>The Use of IV Anesthesia for the Suppression of Status Epilepticus</td>
<td>Thomas Bleck</td>
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<tr>
<td>4:15-5:00 pm</td>
<td>Case Study #4: The Efficient Use of Coma in Refractory Status</td>
<td>Moderator: Andreas Alexopoulos</td>
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<td>5:00 pm</td>
<td>Adjourn</td>
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#### Friday, October 10

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>8:00-8:15 am</td>
<td>Introductions</td>
<td>Stephen Hantus</td>
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<tr>
<td>8:15-9:15 am</td>
<td>Managing the Complications of Prolonged Status Epilepticus</td>
<td>Edward Manno</td>
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<tr>
<td>9:15-10:00 am</td>
<td>Case Study #5: Prolonged Status Epilepticus in the ICU</td>
<td>Moderator: Laurie McWilliams</td>
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<tr>
<td>10:00-10:15 am</td>
<td>Break</td>
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<tr>
<td>10:15-11:15 am</td>
<td>The Use of Immune Modulation in Medically Intractable Status Epilepticus</td>
<td>Eric Lancaster</td>
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<tr>
<td>11:15-12:00 noon</td>
<td>Case Study #6: Medically Intractable Status Epilepticus in the Setting of Encephalitis</td>
<td>Moderator: Stephen Hantus</td>
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<td>12:00 noon</td>
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Agenda is subject to change.
October 8-11, 2014
InterContinental Hotel and Conference Center
9801 Carnegie Ave
Cleveland, OH

About the Workshop
Temporal lobe epilepsy surgery is one of the most commonly performed resections for the treatment of pharmocoresistant disease. Despite multiple advances in neurophysiological imaging and invasive evaluation techniques, temporal lobe surgery may not lead to seizure freedom in a sizable number of patients.

The aim of this workshop is to discuss the role of SEEG in the preresection exploration of patients with temporal and perisylvian epilepsies.

Learning Objectives
1. Discuss the functional anatomy of the temporal-perisylvian region and its implications on presurgical evaluation
2. Discuss the electro-chemical presentation of temporal-perisylvian epilepsy
3. Discuss the indications and surgical strategies related to the use of Stereotactic EEG methodology in patients with suspected tempro-perisylvian epilepsies.

Target Audience
Neurosurgeons and Neurologists

Workshop Directors
Andreas Alexopoulos, MD
Cleveland Clinic Epilepsy Center
Juan Bulacio, MD
Cleveland Clinic Epilepsy Center
Patrick Chauvel, MD
Cleveland Clinic Epilepsy Center and Aix-Marseille University, Marseille, France
Jorge Gonzalez-Martinez, MD, PhD
Cleveland Clinic Epilepsy Center

Guest Faculty
Francine Chassoux, MD
Paris Descartes University
Paris, France
Philippe Derambure, MD, PhD
Lille 2 University
Lille, France
Stefano Francione, MD
Niguarda Hospital
Milan, Italy
Martine Gavaret, MD
Aix-Marseille University
Marseille, France
Maxime Guye, MD, PhD
Aix-Marseille University
Marseille, France
Viktor Jirsa, PhD
Aix-Marseille University
Marseille, France
Anca Pasnicu, MD
Rennes I University
Rennes, France
Laura Tassi, MD
Niguarda Hospital
Milan, Italy

Cleveland Clinic Faculty
Jocelyn Bautista, MD
William Bingaman, MD
Richard Burgess, MD, PhD
Ajay Gupta, MD
Stephen Hantus, MD
Lara Jehi, MD
Stephen Jones, MD, PhD
Ahsan Moosa Naduvil Valappil, MD
Dileep Nair, MD
Imad Najm, MD
Norman So, MD

This activity has been approved for AMA PRA Category 1 Credit.
Wednesday, October 8

5:00-5:30 pm  Registration

5:30-6:00 pm  Welcome & Introduction
Jorge Gonzalez-Martinez, Imad Najm and Patrick Chauvel

6:00-7:00 pm  What Are the “Borders” of Temporal Lobe Epilepsies?
Patrick Chauvel

8:00 pm  Dinner

Thursday, October 9

8:00-8:40 am  Temporo-Perisylvian Functional Anatomy in the Stereotactic Space
Jorge Gonzalez-Martinez

8:40-9:20 am  Electro-Clinical Correlations in the Temporo-Perisylvian Epilepsies
Juan Bulacio

9:20-10:00 am  Designing the SEEG Implantation
Patrick Chauvel

10:00-10:30 am  Coffee Break

10:30-12:30 pm  Small Group Workshops, Surgical Cases, Phase I
The Use of Non Invasive Electroclinical Data for Identifying the Networks and Targets for SEEG Implantation (SEEG Planning)

Moderators
Workshop 1: Patrick Chauvel, Stephen Hantus
Workshop 2: Imad Najm, Anca Pasnicu
Workshop 3: Laura Tassi, Jorge Gonzalez-Martinez
Workshop 4: Dileep Nair, Martine Gavaret
Workshop 5: Juan Bulacio, Philippe Derambure
Workshop 6: Andreas Alexopoulos, Jocelyn Bautista
Workshop 7: Norman So, Francine Chassou
Workshop 8: Stefano Francione, Ajay Gupta

12:30-2:00 pm  Lunch

2:00-4:30 pm  Grand Workshop, Surgical Cases, Plenary Discussion Phase I
Moderators: Imad Najm and Patrick Chauvel

4:30-5:00 pm  Break

5:00-5:45 pm  Dynamic Neural Networks in the Planning of SEEG Implantation: A Case Illustration
Viktor Jirsa

5:45-6:30 pm  Brain Stimulation Mapping in TPS Epilepsies: When, Why & How
Juan Bulacio

6:30 pm  Dinner
Brain Mapping Workshop II
Temporo-Perisylvian Epilepsies
Proposed Agenda

Friday, October 10

8:00-8:40 am  Noninvasive Interictal & Ictal Electrophysiology in TPS Epilepsies
Andreas Alexopoulos

8:40-9:20 am  Interictal & Ictal Functional Imaging in TPS Epilepsies
Maxime Guye

9:20-10:00 am  Physiology & Connectivity of the Insula and Opercular Region
Imad Najm

10:00-10:30 am  Coffee Break

10:30am-12:30 pm  Small Group Workshops, Surgical Cases Phase II
The Analyses and Interpretation of SEEG Data
Moderators
Workshop 1: Patrick Chauvel, Stephen Hantus
Workshop 2: Imad Najm, Anca Pasnicu
Workshop 3: Laura Tassi, Jorge Gonzalez-Martinez
Workshop 4: Dileep Nair, Martine Gavaret
Workshop 5: Juan Bulacio, Philippe Derambure
Workshop 6: Andreas Alexopoulos, Jocelyn Bautista
Workshop 7: Norman So, Francine Chassoux
Workshop 8: Stefano Francione, Ajay Gupta

12:30-2:00 pm  Lunch

2:00-5:00 pm  Grand Workshop, Surgical Cases, Plenary Discussion Phase II
SEEG Analyses and Interpretation
Moderators: Patrick Chauvel and Juan Bulacio

5:00-5:30pm  Coffee Break

5:30-7:00 pm  Round-Table Discussion
The Primary Irritative Zone: A Pivotal Concept in Non-invasive Localization (MSI, MEG, and EEG-fMRI)
Moderator: Philippe Derambure
Panel Members: Richard Burgess, Andreas Alexopoulos

5:30-6:15 pm  SEEG Implantation Technique: Targeting the TPS Networks
Jorge Gonzalez-Martinez

6:15-7:00 pm  Hands-on Session: SEEG Technical Nuances
William Bingaman and Jorge Gonzalez-Martinez

Saturday, October 11

9:00-10:00 am  How to Use Functional Connectivity to Analyze SEEG
Dileep Nair

10:00-10:30 am  Break

10:30am-12:30 pm  Case Discussion – Learning from Failure & Success
Jorge Gonzalez-Martinez, Ajay Gupta, Moosa Naduvil, Lara Jehi, Norman So, Anca Pasnicu, Laura Tassi, Francine Chassoux

12:30 pm  Adjourn
General Information

Target Audience
The symposia are designed for pediatric neurologists and epileptologists, neurosurgeons with an interest in epilepsy surgery in children, psychiatrists, clinical neuropsychologists, social workers and other expert caretakers of patients with epilepsy across all age groups.

Symposia Location
Global Center for Health Innovation and Cleveland Convention Center
St Clair Ave. NE & E 6th Street
Cleveland, OH

Hotel Location
Cleveland Marriott Downtown at Key Center
127 Public Square
Cleveland, OH 44114
216-696-9200

A block of rooms has been reserved at the Cleveland Marriott Downtown at Key Center at the special group rate of $179 per night plus tax. Reservations must be made by Tuesday, September 16, 2014, in order to qualify for this rate.

Information
For further information about this activity, contact Martha Tobin at
Local: 216-445-3449
Toll Free: 800-223-2273 x53449
Email: tobinm@ccf.org

Deadline for Registration and Cancellation
Register at www.ccfcme.org/epilepsy14. Deadline for registration for the symposium is 5:00 pm (EST), Wednesday, October 1, 2014. A request for a refund must be received in writing by October 1, 2014. No refunds will be given after October 1, but registration is transferable through October 11, 2014. A $50 cancellation fee will be deducted from the refund for all cancellations.

If you register by mail, please allow up to three weeks for your registration to be processed.

For questions about registration, please call 216-448-0777 or email cmeregistration@ccf.org.

Accreditation
The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 56.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

Faculty Disclosure Statement
The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Americans with Disabilities Act
The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify Monet Smith at 216-444-9380 at least two weeks prior to the activity.
24th Annual International Epilepsy Symposia

October 5-11, 2014
Cleveland Convention Center/Global Center for Health Innovation

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Company/Institution

Address

City State /Province Zip Country

Phone Fax

Specialty E-Mail

Payment must be received prior to admittance to the course. Purchase orders are not accepted.

Complete details can be found at www.ccfcme.org/epilepsy14

CCF employees should check fees and register online at the above web address.

COURSE FEES
Registration fee includes symposia materials, AM & PM break refreshments, continental breakfast, lunch, and reception.

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<td>Brain Mapping Workshop SEEG in Temporo-Perisylvian Epilepsies Oct 8-11</td>
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<td>Symposium for Status Epilepticus Oct 9-10</td>
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☐ I require a vegetarian lunch

Total amount enclosed or to be charged: US $_______________________

PAYMENT
Make check payable and mail to:
The Cleveland Clinic Educational Foundation, P.O. Box 931653, Cleveland, OH 44193-1082

If you would like to register using a credit card, please go to www.ccfcme.org/epilepsy14 or call 216.448.0777 where it will be handled directly by a certified processor.