THE CLEVELAND CLINIC SEVENTH BRAIN MAPPING WORKSHOP

SEEG in Motor Systems Epilepsies

September 5-8, 2018

HiMSS Technology Showcase at the Cleveland Convention Center
One St. Clair Ave NE
Cleveland, OH

Limited to just 40 participants

www.cccme.org/SEEG18
About the Workshop
From focal myoclonic jerk to generalized tonic-clonic seizure, from gestural stereotypy to quasi-naturalistic integrated behavior, clinical features of motor fits are diverse and present with a variable complexity. They have been the most carefully studied as they are immediately observable and accessible to an objective description. Distinctive clinical patterns have been correlated with diverse evidence of anatomical localization. Diagnosis between lateral or medial premotor or from anterior parietal and motor cortex seizures determines the operability of peri-central epilepsies. However intracerebral ictal recordings performed with SEEG may show evidence of fast propagation from one to another area within the motor cortical network, making the epileptogenic zone often hard to circumscribe. Behavioral and gestural semiology preceding or accompanying elementary motor signs corresponds to the initial involvement of prefrontal cortex and its distributed output to premotor and/or cingulate motor areas. The volume of the frontal lobe as well as its architectonics differentiation represent a challenge for a rational and well-chartered SEEG. The best tool to achieve such complex implantations is the use of a meticulous stereotaxic anatomy guided by clinical semiology as a marker of network activation. In the light of new data on anatomo-functional organization of motor areas, the 7th SEEG & Brain Mapping Workshop will explore anatomo-electro-clinical correlations in SEEG recorded motor seizures and their utilization for tailoring surgery. SEEG & Brain Mapping Workshops are designed to demonstrate and exemplify, through a practical and comprehensive approach, the utility of the stereo-electroencephalography methodology in mapping cortical networks for delineation of lesional, irritative and epileptogenic zones and their mutual relations, aiming to define a rational surgical strategy individually adapted to the patient’s epilepsy.

Learning Objectives
• Define the tools for analyzing video-EEG of motor seizures
• Discuss correlations between ictal semiology and EEG patterns
• Review the correlations between emergence of semiology, ictal organization and cortical functional anatomy in SEEG
• Describe the role of electro-clinical correlations in preparing the SEEG electrode implantation
• Integrate the network concept of seizure organization from implantation plan and SEEG interpretation to the definition of a surgical strategy.

Target Audience
Neurosurgeons and Neurologists
The Cleveland Clinic Seventh Brain Mapping Workshop:

SEEG in Motor Systems Epilepsies

Wednesday, September 5, 2018
3:30-4:00 pm Registration
4:00-4:15 pm Welcome & Introductions
4:15-5:15 pm Talk 1: Anatomical Organization of Cortical Motor Areas – Leonardo Fogassi
5:15-6:15 pm Talk 2: Motor Systems Seizures and Epilepsies: From Myoclonic Jerks to Elaborate Behavior – Andreas Alexopoulos
6:15-7:00 pm Q&A
7:00 pm Welcome Reception

Thursday, September 6, 2018
8:00-9:00 am Talk 3: Pericentral Seizures – Louis Maillard
9:00-10:00 am Talk 4: Pathophysiology of Epileptic Movement Disorders – Philippe Derambure
10:00-10:30 am Break
10:30-12:30 pm Small Workshops
Hands-On Moderators: Balu Krishnan, Irene Wang
12:30-2:00 pm Lunch
2:00-4:45 pm Grand Workshop, Surgical Cases, Plenary Discussion – Phase 1
Moderators: Andreas Alexopoulos and Imad Najm
4:45-5:00 pm Break
5:00-6:00 pm Talk 5: Exploring Connectivity in Motor Systems Epilepsies – Dileep Nair
6:00-7:00 pm Talk 6: Physiology of Motor Behavior: The Grasping Network – Leonardo Fogassi
7:00-7:30 pm Q&A
7:30 pm Adjourn – Open Evening

www.cccfme.org/SEEG18
Friday, September 7, 2018

8:00-9:00 am  
**Talk 7: Opercular Seizures** – Juan Bulacio

9:00-10:00 am  
**Talk 8: Parietal Seizures** – Imad Najm

10:00-10:30 am  
Break

10:30-12:30 pm  
**Small Workshops**
Hands-On Moderators: Balu Krishnan, Irene Wang

12:30-2:00 pm  
Lunch

2:00-4:45 pm  
**Grand Workshop, Surgical Cases, Plenary Discussion – Phase 1**
Moderators: Patrick Chauvel and Jorge Gonzalez-Martinez

4:45-5:00 pm  
Break

5:00-6:00 pm  
**Talk 9: Central Pattern Generators: An Ethologic Approach to Behavioral Expression in Epileptic Seizures** – Alberto Tassinari

6:00-7:00 pm  
**Talk 10: Motor Systems Epilepsies: Is It Possible to Operate? Round Table Discussion**
Jorge Gonzalez-Martinez, Guy McKhann, Bill Bingaman

7:00-7:30 pm  
Q&A

7:30 pm  
Reception

Saturday, September 8, 2018

8:30-10:00 am  
**Case Discussion** – Co-chairs: Imad Najm and Patrick Chauvel

10:00-10:30 am  
Break

10:30-12:30 pm  
**Non-CME Case Discussion** – Presented by workshop participants
Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association Council on Continuing Medical Education 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 Martha Tobin at 216.445.3449 or tobinm@ccf.org at least two weeks prior to the activity.

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

Registration and Cancellation Information

Course#: 02010982

Fee

<table>
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<tr>
<th>Fee</th>
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<tbody>
<tr>
<td>Neurologists and Neurosurgeons</td>
<td>$1500</td>
</tr>
<tr>
<td>Residents/Fellows/PhDs*</td>
<td>$725</td>
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*Letter from program director is required to receive the discounted fee.

Preregistrations are accepted until 2:00 pm ET, August 1, 2018 or until workshop attendance has reach capacity. In case of cancellation, email notification is required to process your refund. A full refund will be issued if canceled by August 8, 2018. After August 8, 2018, a $300 cancellation fee will be deducted from your refund. No refunds will be issued after August 22, 2018.

Registration Fee includes: course materials, continental breakfast, lunch, breaks, and the Wednesday and Friday evening receptions.

For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.8710.

Cleveland Clinic Center for Continuing Education 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 activity cancellations or changes.

To Register Go To:
www.ccfcme.org/SEEG18