



CHICAGO'S 9TH ANNUAL ADVANCES IN EPILEPSY AND EEG - A HYBRID CME PROGRAM

MAY 2-3, 2025

Northwestern Medicine Prentice Women's Hospital
250 E. Superior Street
Third Floor, Conference Room L South
Chicago, Illinois
(Cocktail Reception: Friday, May 2, 6:15-8:00 pm)

Offering CME, ABPN Self-Assessment CME and ASET

*Sponsored by Northwestern Medicine and the
Northwestern Medicine Comprehensive Epilepsy Center*

Chicago's 9th Annual Advances in Epilepsy and EEG – A Hybrid CME Program

COURSE DIRECTORS: Linda C. Laux, MD, Stephan U. Schuele, MD, MPH, and Stephen A. VanHaerents, MD

Join Northwestern and Chicago-area faculty as they welcome both locally and nationally renowned guest speakers to participate in two days of engaging and thoughtful discussion. The purpose of this activity is to update community and pediatric neurologists, as well as other healthcare providers working in epilepsy centers across the country, on challenging areas of epilepsy diagnosis and treatment. Hot topics include AI, genetics of focal epilepsy and multidisciplinary care models. All are invited to our Friday evening cocktail reception.

Northwestern Medicine is excited to offer ABPN Self-Assessment CME. Lectures will include self-assessment questions with live feedback. Sessions will be followed by live Q&A with our experts and the audience.

PROGRAM OBJECTIVES

After attending this educational activity, participants should be able to:

1. Discuss the use of artificial intelligence in the interpretation of EEG and MR Imaging.
2. Identify patients who may benefit from minimally invasive epilepsy surgery.
3. Discuss the risk and benefits of minimally invasive epilepsy surgery compared to a conventional approach.
4. Describe the correlation of EEG biomarkers in genetic or metabolic epilepsies of childhood.

For more information, please contact **Tiffany McReynolds**, Continuing Medical Education Program Manager, Northwestern Memorial HealthCare, at tiffany.mcreeynolds@nm.org.

Program Course Directors

Linda C. Laux, MD

*Associate Division Head, Neurology
Section Head,
Lurie Children's Epilepsy Center
Ann & Robert H. Lurie
Children's Hospital of Chicago
Lorna S. and James P. Langdon Chair
in Pediatric Neurology
Associate Professor of Pediatrics
(Neurology and Epilepsy)
Northwestern University
Feinberg School of Medicine*

Stephan U. Schuele, MD, MPH

*Division Chief, Epilepsy and Clinical
Neurophysiology
Medical Director, Neurological Testing
Center
Professor of Neurology and Physical
Medicine & Rehabilitation
Northwestern University
Feinberg School of Medicine*

Stephen A. VanHaerents, MD

*Associate Professor of Neurology
(Epilepsy/Clinical Neurophysiology),
Medical Education and Neurology
(Neuro-infectious Disease and Global
Neurology)
Northwestern University
Feinberg School of Medicine*

Agenda

Friday, May 2

Minimal Invasive Epilepsy Surgery

Chairs: *Jason K. Hsieh, MD, and Stephan U. Schuele, MD, MPH*

1:00 pm	Registration and Welcome Reception
1:50 pm	Welcome and Introduction
2:00 pm	Future of SEEG <i>Francesco Pucci, MD</i>
2:30 pm	Laserablation <i>Peter C. Warnke, MD, Dr. med., FRCS, FCNS</i>
3:00 pm	Endoscopic Surgery <i>Sandi K. Lam, MD, MBA</i>
3:30 pm	Thermocoagulation <i>Laura Tassi, MD, PhD</i>
4:00 pm	Break
4:15 pm	Thalamic Implantation <i>Jason K. Hsieh, MD</i>
4:45 pm	Thalamic Stimulation <i>David E. Burdette, MD</i>
5:15 pm	Cases <i>Lydia Wolkiewicz, MD, and Teona Munteanu, MD</i>
6:00 pm	Adjournment
6:15-8 pm	Cocktail Reception – <i>D4 Irish Pub & Café (345 E. Ohio Street)</i>

Agenda

Saturday, May 3

Advanced MR Imaging

Chairs: *Graham R. Huesmann, MD, PhD, and Vasileios Kokkinos, PhD*

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| 7:50 am | Breakfast |
| 8:25 am | Session Introduction |
| 8:30 am | Postprocessing in Nonlesional Epilepsy
<i>Travis Stoub, PhD</i> |
| 9:00 am | AI in Epilepsy Imaging
<i>David Carmichael, PhD (Virtual)</i> |
| 9:30 am | Brain Connectivity and Surgical Outcome
<i>Ezequiel Gleichgerrcht, MD, PhD</i> |
| 10:00 am | Break |

AI EEG

Chairs: *Aaron F. Struck, MD, and James Tao, MD, PhD*

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| 10:15 am | Score AI Routine EEG
<i>Sándor Beniczky MD, PhD, FEAN, FACNS (Virtual)</i> |
| 10:45 am | Salient Features on Surface EEG
<i>James Tao, MD, PhD</i> |
| 11:15 am | Intracranial EEG
<i>Birgit Frauscher, MD, PhD</i> |
| 11:45 am | Open Panel: AI in Epilepsy |
| 12:00 pm | Lunch |

EEG Biomarkers of Genetic Epilepsies

Chairs: *Elizabeth E. Gerard, MD, Linda C. Laux, MD, and Cody L. Nathan, MD*

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| 1:00 pm | X-Linked Chromosomal Abnormalities
<i>Cody L. Nathan, MD</i> |
| 1:30 pm | Progressive Myoclonic Epilepsy (PME)
<i>Jayant N. Acharya, PhD</i> |
| 2:00 pm | Cases: X-Linked and PME
<i>Varun Kumar, MD, and Yajing Xiong, MD</i> |
| 2:45 pm | Break |
| 3:00 pm | Neonatal Encephalopathies (Channel, MCD)
<i>Rachel A. Pauley, MD</i> |
| 3:30 pm | Early Onset Metabolic Disorders
<i>Douglas R. Nordli, Jr., MD</i> |
| 4:00 pm | Cases: Metabolic/Neonatal
<i>Daniel T. Kashima, MD, PhD, and McKinnon (Mac) Garrett, MD</i> |
| 4:45 pm | Closing Comments |
| 5:00 pm | Adjournment |

Program Faculty

Jayant N. Acharya, PhD

*Professor and Chair of Neurology
Executive Director
Neuroscience Institute at
Southern Illinois University
School of Medicine*

Sándor Beniczky MD, PhD, FEAN, FACNS

*Professor, Department of Neurology
Aarhus University Hospital
Head of Clinical Neurophysiology
Department
Danish Epilepsy Centre
Editor-in-Chief
Epileptic Disorders*

David E. Burdette, MD

*Section Chief, Epilepsy
Spectrum Health Medical Group
Epileptologist
Corwell Health*

David Carmichael, PhD

*Professor, Magnetic Resonance Imaging
King's College London*

Birgit Frauscher, MD, PhD

*Professor of Neurology & Neurosurgery
Group Leader, Epilepsy Program
Director, ANPHY Lab
McGill University*

McKinnon (Mac) Garrett, MD

*Pediatric Epilepsy Fellow
Ann & Robert H. Lurie
Children's Hospital of Chicago*

Elizabeth E. Gerard, MD

*Associate Professor of Neurology
(Epilepsy/Clinical Neurophysiology)
Clinical Neurophysiology
Fellowship Director
Northwestern University
Feinberg School of Medicine*

Ezequiel Gleichgerrcht, MD, PhD

*Assistant Professor,
Department of Neurology
Emory University School of Medicine*

Jason K. Hsieh, MD

*Assistant Professor, Neurological Surgery
Northwestern University
Feinberg School of Medicine*

Graham R. Huesmann, MD, PhD

*Epileptologist/Neurologist
Carle Foundation Hospital
Research Assistant Professor,
Molecular & Integrative Physiology
University of Illinois Urbana-Champaign*

Daniel T. Kashima, MD, PhD

*Pediatric Epilepsy Fellow
Ann & Robert H. Lurie
Children's Hospital of Chicago*

Vasileios Kokkinos, PhD, CNIM, CMEG, NA-CLTM, FACNS

*Research Assistant Professor,
Neurology (Epilepsy/Clinical
Neurophysiology)
Northwestern University
Feinberg School of Medicine*

Varun Kumar, MD

*Epilepsy Fellow
Northwestern University
Feinberg School of Medicine*

Sandi K. Lam, MD, MBA

*Division Head, Neurosurgery
David G. McLone, MD, PhD, Professorship
In Pediatric Neurosurgery
Professor of Neurological Surgery
Northwestern University
Feinberg School of Medicine*

Yara Mikhaeil-Demo, MD

*Assistant Professor of Neurology
(Epilepsy/Clinical Neurophysiology)
Northwestern University
Feinberg School of Medicine*

Teona Munteanu, MD

*Epilepsy Fellow
Rush University Medical Center*

Cody L. Nathan, MD

*Assistant Professor of Neurology
(Epilepsy/Clinical Neurophysiology)
Northwestern University
Feinberg School of Medicine*

Douglas R. Nordli, Jr., MD

*Professor of Pediatrics
Chief, Section of Pediatric Neurology
Co-Director,
Comprehensive Epilepsy Center
The University of Chicago Medicine*

Rachel A. Pauley, MD

*Assistant Professor of Pediatrics
(Neurology and Epilepsy)
Northwestern University
Feinberg School of Medicine*

Francesco Pucci, MD

*Stereotactic and Functional Neurosurgery
Assistant Professor,
Department of Neurosurgery
University of Illinois College of Medicine*

Anna Serafini, MD

*Assistant Professor, Department of
Neurology and Rehabilitation
University of Illinois at Chicago*

Travis Stoub, PhD

*Associate Professor,
Department of Neurological Sciences
Rush University*

Aaron F. Struck, MD

*Director, University of Wisconsin
Comprehensive Epilepsy Program
and EEG Lab
Director, Clinical Neurophysiology
Fellowship
Director, Epilepsy Fellowship
Assistant Professor of Neurology
University of Wisconsin School of
Medicine and Public Health*

James Tao, MD, PhD

*Director of Neurophysiology and Epilepsy,
Adult Epilepsy Center
Professor, Department of Neurology
University of Chicago
Pritzker School of Medicine*

Laura Tassi, MD, PhD

*Neurologist/Hospital Practitioner
Claudio Munari Epilepsy Surgery Centre
Milano, Italy*

Peter C. Warnke, MD, Dr. med., FRCS, FCNS

*Professor of Neurology, Neurological
Surgery and the Neuroscience Institute
Director, Stereotactic and Functional
Neurosurgery
University of Chicago
Pritzker School of Medicine*

Lydia Wolkiewicz, MD

*Clinical Neurophysiology Fellow
Northwestern University
Feinberg School of Medicine*

Yajing Xiong, MD

*Epilepsy Fellow
Northwestern University
Feinberg School of Medicine*

Program Location

The program will be held at **Northwestern Medicine Prentice Women's Hospital**, 250 E. Superior Street, Third Floor, Conference Room L South, Chicago, IL.

Directions and Parking

Please visit our website at nm.org for directions to the conference. We offer discounted parking in the garage just south of Prentice Women's Hospital at 222 E. Huron Street.

Hotel Accommodations

To make a hotel reservation, please call 312-926-ROOM for a list of local hotels offering discounted rates for Northwestern Medicine visitors. We recommend you make your reservations as soon as possible to ensure accommodations.

Audience

The content of the program is appropriate for physicians and healthcare providers who care for, detect, diagnose, manage and treat seizures and epilepsy.

Registration Fees

In-Person Attendance

Attending physician: \$140

APP, RN or tech: \$60

Trainee, student or Northwestern faculty/employee: \$0

Virtual Attendance

Attending physician: \$100

APP, RN or tech: \$25

Trainee, student or Northwestern faculty/employee: \$0

Registration Procedure

To register online, please visit northwestern.cloud-cme.com. If paying with check, please mail your check, made payable to **Northwestern Memorial Hospital (CME)**, to the address listed below.

Tiffany McReynolds

C/o Northwestern Memorial HealthCare
541 N. Fairbanks Court, Suite 950
Chicago, IL 60611

Cancellations/Refunds

Cancellations must be made in writing to tiffany.mcreynolds@nm.org. The registration fee will be refunded if cancellation is received on or before **April 25**. No refunds will be issued after this date.

Accreditation Statement

The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation Statement

The Northwestern University Feinberg School of Medicine designates this educational activity for a maximum of *10.75 AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Self-Assessment CME

The American Board of Psychiatry and Neurology has reviewed *Northwestern Medicine's 9th Annual Advances in Epilepsy and EEG - a Hybrid CME Program* and has approved this activity as part of a comprehensive Self-Assessment activity, which is mandated by the ABMS as a necessary component of Continuing Certification.

ASET

The Neurodiagnostic Society has granted ASET Continuing Education Units [ASET-CEUs] for this program. Such crediting, however, should not be construed by program participants as an endorsement of any type of instruments or supplies mentioned or involved in these presentations.

American Board of Surgery Continuous Certification Program

Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the CME requirements of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit.

ABS CME credits will be submitted to the boards within 3 months of the conclusion of the activity.

For more information, please contact CME Specialist II, Tiffany McReynolds, tiffany.mcreynolds@nm.org.