



Attend
in-person
or
virtually

Cleveland Clinic Epilepsy Update Recent Advances in Clinical Care

September 28–30, 2022

InterContinental Hotel & Bank of America Conference Center
9801 Carnegie Ave, Cleveland, Ohio



Photo Courtesy of J. H. Schaffer

www.cfcme.org/epilepsyupdate22



Cleveland Clinic Epilepsy Update Recent Advances in Clinical Care

September 28–30, 2022

InterContinental Hotel & Bank of America Conference Center
9801 Carnegie Ave, Cleveland, Ohio

The Cleveland Clinic Epilepsy Update: Recent Advances in Clinical Care will provide state-of-the-art comprehensive updates on the diagnostic and therapeutic advances in epilepsy. The update encompasses epilepsy across the age spectrum from infancy to adulthood. Topics to be addressed include diagnostic evaluation of complex epilepsies, optimal use of anti-seizure medications, auto-immune epilepsies, status epilepticus, medical intractability, assessment for epilepsy surgery, and epilepsy surgery including neuromodulation and upcoming newer ablative techniques.

Learning Objectives

- Discuss state-of-the-art diagnostic and therapeutic developments in the management of epilepsy
- Describe the pharmacology and action of anti seizure medications (ASMs)
- Review unique epilepsies including rare syndromes, diseases, neuro-cutaneous disorders, and autoimmune epilepsies
- Discuss treating acute repetitive seizures and status epilepticus
- Review epilepsy surgery updates and techniques including neuromodulation and ablative procedures

Target Audience

This educational activity is intended for practicing adult and pediatric neurologists and epileptologists, Neurology and Neurosurgery residents and fellowship trainees, as well as advanced practice providers, nursing, Physician Assistants and other health care personnel engaged in epilepsy care.

General Information

Location

InterContinental Hotel & Bank of
America Conference Center
9801 Carnegie Ave
Cleveland, Ohio 44106
Phone: 216.455.1260

Parking

Valet Parking available, with in/out
privileges at the hotel for a daily fee
of \$24.

Hotel Accommodations

A block of rooms has been reserved at
InterContinental Hotel & Conference
Center until **August 27, 2022**. To
make your reservations, contact the
Hotel Reservations Department at
855.765.8709.

Please identify yourself as being with
the Cleveland Clinic Epilepsy Update
course, for the special rate of \$169
plus 17.5% tax.

Course Director

Ajay Gupta, MD
Cleveland Clinic

Guest Faculty

**Elinor Ben-Menachem,
MD, PhD**
University of Gothenburg
Gothenburg, Sweden

Fernando Cendes, MD, PhD
University of Campinas
Sao Paulo, Brazil

J Helen Cross, MD
UCL Great Ormond Street
Institute of Child Health
London, UK

Jacqueline French, MD
NYU Langone Health
New York, NY

Guest Faculty (continued)

Kelly Knupp, MD
Children's Hospital of Colorado
Aurora, Colorado

Samden Lhatoo, MD
UT Health Houston
Houston, TX

**Sanjay M Sisodiya, MA, PhD,
FRCP**
UCL Queen Square Institute of
Neurology
London, UK

Claude Steriade, MD
NYU Langone Health
New York, NY

Cleveland Clinic Faculty

Andreas Alexopoulos, MD, MPH
William Bingaman, MD
Juan Bulacio, MD
Stephen Hantus, MD
Amy Kunchok, MD
Dennis Lal, PhD
Hiroatsu Murakami, MD
Imad Najm, MD
Richard Rammo, MD
Demitre Serletis, MD
Irene Wang, PhD

Advanced Practice Providers Planning Committee

Susan Stanton, PA-C
Haley Zielinski, MSN

AGENDA DAY 1: Wednesday, September 28, 2022

- 7:00–7:45 a.m. **Registration/Breakfast/Exhibits**
- 7:45–8:00 a.m. Welcome & Introductions
Ajay Gupta, MD
- 8:00–9:00 a.m. Update on Genetics Testing in Epilepsy Clinical Practice:
Hope or Hype
Sanjay Sisodiya, MA, PhD, FRCP
- 9:00–10:00 a.m. Types of Genetic Tests and Results Interpretation in Epilepsy
Dennis Lal, PhD
- 10:00–10:30 a.m. **Break**
- 10:30–11:30 a.m. Updates on Autoimmune Epilepsies – Diagnosis and Testing
Claude Steriade, MD
- 11:30–12:30 p.m. Updates on Imaging in Epilepsy with Clinical Applications
Fernando Cendes, MD, PhD
- 12:30–1:30 p.m. **Lunch/Exhibits**
- 1:30–2:30 p.m. Recent Advances in Brain MRI in Non-lesional Epilepsies
Irene Wang, PhD
- 2:30–3:30 p.m. Update on MEG in Epilepsy Localization for Surgery
Hiroatsu Murakami, MD
- 3:30–4:00 p.m. **Break/Exhibits**
- 4:00–5:00 p.m. PET and SPECT – Updates in Nuclear Imaging Application for
Epilepsy Surgery
Andreas Alexopoulos, MD
- 5:00–6:00 p.m. Synthesis of Multi-Modal Data and Pre-Surgical Planning
Resection vs SEEG Implantation
Imad Najm, MD

All presentations include a 10-minute question and answer period.

AGENDA DAY 2: Thursday, September 29, 2022

- 7:00–8:00 a.m. **Breakfast/Exhibits**
- 8:00–9:00 a.m. Updates on Medical Treatment of Partial-Onset Seizures
Elinor Ben Menachem, MD, PhD
- 9:00–10:00 a.m. Updates on Medical Treatment of Primary Generalized Seizures
Jacqueline French, MD
- 10:00–10:30 a.m. **Break**
- 10:30–11:30 a.m. Advances in Treatments of Rare Diseases and Epileptic Encephalopathies
Kelly Knupp, MD
- 11:30–12:30 p.m. **Keynote Presentation**
Updates on Epilepsy Surgery
J Helen Cross, MD
- 12:30–1:30 p.m. **Lunch/Exhibits**
- 1:30–2:30 p.m. Updates on Medical and Surgical Treatment Neurocutaneous Disorders
Ajay Gupta, MD
- 2:30–3:30 p.m. Updates on Treatment of Autoimmune Epilepsies and Encephalopathies
Amy Kunchok, MD
- 3:30–4:00 p.m. **Break/Exhibits**
- 4:00–5:00 p.m. Updates on Treatment of Acute Repetitive Seizures and Status Epilepticus
Stephen Hantus, MD
- 5:00–6:00 p.m. Recent Advances in Seizure Detection and SUDEP Prevention
Samden Lhatoo, MD

All presentations include a 10-minute question and answer period.

AGENDA DAY 3: Friday, September 30, 2022

- 7:00–8:00 a.m. **Breakfast/Exhibits**
- 8:00–9:00 a.m. SEEG: Localization of Seizure Onset and Stimulation
Induced Seizures
Juan Bulacio, MD
- 9:00–10:00 a.m. Updates on Resective Surgery and Laser Ablative Therapies
William Bingaman, MD
- 10:00–10:30 a.m. **Break/Hotel Check-out**
- 10:30–11:30 a.m. SEEG Guided Resection: A Neuroengineering Approach
Towards Epileptiform Dynamics and Epilepsy Surgery
Demitre Serletis, MD
- 11:30–12:30 p.m. Neuromodulation in Epilepsy: A Surgeon’s Perspective
Richard Rammo, MD
- 12:30 p.m. **Adjourn**



All presentations include a 10-minute question and answer period.

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Accreditation

In support of improving patient care, Cleveland Clinic Center for Continuing Education is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

- **American Medical Association (AMA)**

Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 20.25 *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.

- **American Nurses Credentialing Center (ANCC)**

Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 20.25 ANCC contact hours.

- **American Academy of PAs (AAPA)**

Cleveland Clinic Center for Continuing Education has been authorized by the

American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 20.25 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

This activity is pending ABPN Self-Assessment(SA) CME approval.

Faculty Disclosure

The Cleveland Clinic Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Integrity and Independence requiring mitigation of all faculty conflicts of interest. Faculty declaring a relevant financial relationship will be identified in the activity syllabus.

American 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.

For further information about this activity, contact Shana Spade at spades@ccf.org or 216.213.9575.



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Registration Information

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9801 Carnegie Avenue, Cleveland, Ohio 44106

Register Online! www.ccfme.org/epilepsyupdate22

Registration Fees

CATEGORY	IN-PERSON	LIVE STREAM
Physicians	\$249	\$249
Residents/Fellows*	\$99	\$99
Non-Physicians	\$99	\$99

In-Person Fee includes: Continental breakfasts, lunches, refreshment breaks, welcome reception and syllabus. Virtual Fee includes: Access to webinar and faculty presentations in PDF format.

*Letter from Program Director/Chairman must be received in our office prior to the course to receive this fee.

Registrations and Cancellations

Preregistrations are accepted online until **5:00 p.m. ET, September 23, 2022 for in-person and September 27 for virtual**. Contact Shana Spade at 216.213.9575 to check availability. In case of cancellation, email notification is required to process your refund. A full refund will be issued if canceled by August 28, 2022. After August 28, 2022, a \$50 cancellation fee will be deducted from your refund. No refunds will be issued after September 14, 2022.

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.