

PEDIATRIC EPILEPSY

New and Novel Approaches to Care

August 13-14
8 a.m. to 6 p.m.

Live Virtual Conference

Description: This conference highlights the role of innovative trends in surgery, genetics, pharma and dietary treatments in caring for the pediatric patient with epilepsy. Through formal education, this conference will improve the medical knowledge of those who diagnose and treat epilepsy.



This program is geared toward the epilepsy team: epileptologists, neurologists, neurosurgeons, neuroradiologists, nuclear medicine specialists, neuropsychologists, nurse practitioners, physician assistants, nurses, dietitians, EEG/IOM technologists, genetics counselors, social workers and program administrators.

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Live Virtual Conference Registration

Registration link: beaumont.cloud-cme.com/pedsepilepsy2021

OBJECTIVES

At the conclusion of all activities, attendees will be able to:

- Identify the use of sEEG, cortical brain mapping, resective surgery, laser ablation and neurostimulation in pediatric epilepsy surgery.
- Identify and apply medical management and ketogenic diet in the treatment of the epilepsy patient.
- Discuss the role of current diagnostic technologies, genetics and epidemiology and their impact on the epilepsy patient.
- Discuss and apply the newest medical and surgical treatment updates for tuberous sclerosis, autoimmune diseases, neonatal seizures, ESES pattern and infantile spasms.



Faculty Disclosure: This conference was planned by Beaumont Children's in collaboration with Dell Children's and UPMC. All speakers and members of the planning committee have been asked to disclose any relevant relationships they may have with commercial interests. The presence or absence of relationships will be disclosed at the time of the meeting.

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REGISTRATION FEE *(Last day to register online is August 10, 2021)*

Category description	Saturday only EEG Breakout session	Early bird rate On or before 7/10	Regular rate 7/11-8/10	Onsite rate 8/11-8/14
Physicians		\$500	\$550	\$600
Residents, Fellows, NPs and PAs		\$300	\$325	\$350
Allied Health		\$250	\$275	\$300
Medical Students		\$150	\$175	\$200
EEG Technicians	\$55	\$150	\$175	\$200

Accreditation statement:

This activity is approved for *AMA PRA Category 1 Credits™* and ANCC Nursing Contact Hours. For more information, including amount of credit available, visit: beaumont.cloud-cme.com/pedsepilepsy2021.

ASET continuing education accreditation:

As follows: 7.5 day one, 7.5 day two with a maximum of 15 ASET CEUs total.

Cancellation policy:

Cancellations or refund requests must be received by Aug. 10, 2021. A processing fee of \$25 will be assessed to all canceled registrations. Cancellation or refund requests after 8/10/21 will not be honored. To cancel a registration, please send an email to cme@beaumont.edu with "Cancellation" in the subject line.

CME RELATED QUESTIONS, cme@beaumont.edu

EVENT RELATED QUESTIONS,

Lori Sheridan, 248-551-2309 or lori.sheridan@beaumont.org

FRIDAY Live Virtual Conference Agenda

FRIDAY August 13 – Main session	
8-8:10 a.m.	Conference welcome address Daniel Arndt, M.D. (Beaumont Children's, Royal Oak, MI), Dave F. Clarke, M.D. (Dell Children's, University of Texas, Austin, TX) and Jorge Gonzalez-Martinez (University of Pittsburgh Medical Center, Pittsburgh, PA)
8:10-9 a.m.	Natural history, precision diagnosis, and precision therapies for ultra-rare epilepsies – Anne Berg, Ph.D. (Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL)
9-9:50 a.m.	Drug therapy for neuroinflammatory/post-infectious epilepsies Sookyong Koh, M.D., Ph.D. (Children's Hospital and Medical Center, University of Nebraska, Omaha, NE)
9:50-10:10 a.m.	Virtual networking and break
10:10-11 a.m.	Pediatric neurogenetics and its impact on epilepsy Danielle Nolan, M.D. (Beaumont Children's, Royal Oak, MI)
11-11:50 a.m.	Keeping children with epilepsy out of the emergency room: lesson's learned – Anup Patel, M.D. (Nationwide Children's, Ohio State University, Columbus, OH)
noon-12:50 p.m.	LUNCH and LECTURE: Cannabidiol: mechanism of action to clinical use – Raman Sankar, M.D., Ph.D. (UCLA Mattel Children's Hospital, Los Angeles, CA)
1-1:50 p.m.	cEEG in NICU and PICU – Nicholas Abend, M.D. (Children's Hospital of Philadelphia, PA)
1:50-2:40 p.m.	Status epilepticus – urgency to treat and emerging drug treatments – Raman Sankar, M.D., Ph.D. (UCLA Mattel Children's Hospital, Los Angeles, CA)
2:40-3 p.m.	Virtual networking and break
3-3:50 p.m.	Electrographic status epilepticus in sleep pattern (ESES) and emerging drug treatments – Daniel Arndt, M.D. (Beaumont Children's, Royal Oak, MI)
3:50-4:40 p.m.	SUDEP: What do we know and what do we do now? Jeffrey Buchhalter, M.D. (University of Calgary, Alberta, CA)
4:40-5:30 p.m.	What's new in neonatal seizures? – Renee Shellhaas, M.D. (University of Michigan Hospital, Ann Arbor, MI)
5:30-5:40 p.m.	Day 1 closing remarks – Daniel Arndt, M.D. (Beaumont Children's, Royal Oak, MI), Dave F. Clarke, M.D. (Dell Children's, University of Texas, Austin, TX) and Jorge Gonzalez-Martinez (University of Pittsburgh Medical Center, Pittsburgh, PA)

FRIDAY Live Virtual Conference Agenda

FRIDAY: Breakout session 1A – International Outreach

8:10–8:15 a.m.	Introduction – Dave F. Clarke, M.D. (Dell Children’s, University of Texas, Austin, TX)
8:15–9:05 a.m.	All is not equal: discrepancies and disparities in epilepsy care Sandi Lam, M.D. (Ann and Robert H. Lurie Children’s Hospital of Chicago, Chicago, IL)
9:05–9:50 a.m.	Deep in the heart of Texas: a comprehensive Spanish-only epilepsy clinic – Karen Skjei, M.D. (Dell Children’s, University of Texas, Austin, TX)
9:50–10:10 a.m.	Virtual networking and break
10:10–11 a.m.	Care in low income countries: a global approach – Jorge Vidaurre, M.D. (Nationwide Children’s, Ohio State University, Columbus, OH)
11–11:10 a.m.	Question and answer

FRIDAY: Breakout session 1B – Epilepsy Dietary Therapies

1–1:50 p.m.	History of the ketogenic diet; where we began and where we are now – Eric Kossoff, M.D. (John Hopkins Hospital, Baltimore, MD)
1:50–2:40 p.m.	Ketogenic diet for status epilepticus or severe inpatient epilepsy Alexandra Shaw, M.D. (Beaumont Children’s, Royal Oak, MI)
2:40–3 p.m.	Virtual networking and break
3–3:50 p.m.	Efficacy and potential side effects of other dietary options: Atkins and low glycemic index – Susan Koh, M.D. (Children’s Hospital of Colorado, Denver, CO)
3:50–4:40 p.m.	Common epilepsy diet issues with questions and solutions Laura Bashir, RD (Beaumont Children’s, Royal Oak, MI)
4:40–4:50 p.m.	Question and answer

FRIDAY: Breakout session 1C – Epilepsy Surgery Therapies

1–1:50 p.m.	SEEG: indications and challenges – Jorge Gonzalez-Martinez, M.D., Ph.D. (University Pittsburgh Medical Center, Pittsburgh, PA)
1:50–2:40 p.m.	From focal resections to hemispherectomies – David Bauer, M.D. (Texas Children’s Hospital, Houston, TX)
2:40–3 p.m.	Virtual networking and break
3–3:50 p.m.	Surgical management of hypothalamic hamartomas Daniel Curry, M.D. (Texas Children’s Hospital, Houston, TX)
3:50–4:40 p.m.	Laser ablations in pediatric epilepsy – Cesar Serrano, M.D. (Beaumont Children’s, Royal Oak, MI)
4:40–5:30 p.m.	Neuromodulation in epilepsy – Michael Staudt, M.D. (Beaumont Health, Royal Oak, MI)
5:30–5:40 p.m.	Question and answer

SATURDAY Live Virtual Conference Agenda

SATURDAY August 14 – Main session

8-8:10 a.m.	Morning Welcome Address Daniel Arndt, M.D. (Beaumont Children's, Royal Oak, MI), Dave F. Clarke, M.D. (Dell Children's, University of Texas, Austin, TX) and Jorge Gonzalez-Martinez (University of Pittsburgh Medical Center, Pittsburgh, PA)
8:10-9:00 a.m.	Semiology and sEEG: Problem solved? – Dave F. Clarke, M.D. (Dell Children's, University of Texas, Austin, TX)
9-9:50 a.m.	Cortical and subcortical mapping, subdural EEG vs SEEG Juan Bulacio, M.D. (Cleveland Clinic, Cleveland, OH)
9:50-10:10 a.m.	Virtual networking and break
10:10-11 a.m.	What we've learned from sEEG, an epilepsy surgeon's perspective – Jorge Gonzalez-Martinez, M.D., Ph.D. (University of Pittsburgh Medical Center, Pittsburgh, PA)
11-11:50 a.m.	Deep and neglected: laser ablation of the insula and operculum Cesar Serrano, M.D. (Beaumont Children's, Royal Oak, MI)
noon-12:50 p.m.	LUNCH and LECTURE: MEG in epilepsy surgery Andrew Zillgitt, D.O. (Beaumont Hospital, Royal Oak, MI)
1-1:50 p.m.	The pearls of ECOG and its role in 2020 – Douglas Nordli, Jr., M.D. (Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL)
1:50-2:40 p.m.	Cortical controlled robotics: potential applications for children with epilepsy – Elizabeth Tyler-Kabara, M.D., Ph.D. (Dell Children's Hospital, University of Texas, Austin, TX)
2:40-3 p.m.	Virtual networking and break
3-3:50 p.m.	Infantile spasms – Susan Koh, M.D. (Children's Hospital of Colorado, Denver, CO)
3:50-4:40 p.m.	Newer drug therapies for Tuberous sclerosis – James Riviello, M.D. (Texas Children's Hospital, Houston, TX)
4:40-5:30 p.m.	How to create a curriculum for training epileptologists Tarif Bakdash, M.D. (Beaumont Children's, Royal Oak, MI)
5:30-5:45 p.m.	Conference closing remarks – Daniel Arndt, M.D. (Beaumont Children's, Royal Oak, MI), Dave F. Clarke, M.D. (Dell Children's, University of Texas, Austin, TX) and Jorge Gonzalez-Martinez (University of Pittsburgh Medical Center, Pittsburgh, PA)
5:45 p.m.	MEETING ADJOURNS

SATURDAY Live Virtual Conference Agenda

SATURDAY: Breakout session 2A

Neuropsychology

9-9:50 a.m.	Covert cognitive deficits: the role of neuropsychological assessment in the management of ESES – Angela DeBastos, Ph.D. (Beaumont Children's, Royal Oak, MI)
9:50-10:10 a.m.	Virtual networking and break
10:10-11 a.m.	The pieces of the puzzle: correlation of neuropsychology and functional imaging – Nancy Nausbaum, Ph.D. (Dell Children's, University of Texas, Austin, TX)
11-11:50 a.m.	The world of VR: applications in children with epilepsy Zoltan Nadasdy, Ph.D. (Dell Children's, University of Texas, Austin, TX)
11:50 a.m. to noon	Question and answer

SATURDAY: Breakout session 2B

EEG Technologists

8-8:10 a.m.	Introduction and welcome – Eileen Hyde, R. EEG T., CNIM, CLTM, BS (MSET President and Beaumont Hospital, Royal Oak, MI)
8:10-9 a.m.	Evoked potentials – Daniel Menkes, M.D. (Beaumont Health, Royal Oak, MI)
9-9:50 a.m.	Essentials: being a technologist in an NAEC level 4 pediatric epilepsy center – Maria Victoria Perry, BS, R.EEG T (Beaumont Hospital, Royal Oak, MI)
9:50-10:10 a.m.	Virtual networking and break
10:10-11 a.m.	Improving Quality: nurse-technologist collaboration in the EMU Yannira Crespo, RN, MSN (Ascension Health: Dell Children's, Austin, TX)
11-11:50 a.m.	MEG, TMS and the rest: cool cases in cool places – Carla Bodden, BS, R.EEG T (Ascension Health: Dell Children's, Austin, TX)
noon-12:50 p.m.	LUNCH and LECTURE: MEG in epilepsy surgery Andrew Zillgitt, D.O. (Beaumont Hospital, Royal Oak, MI)
1-1:50 p.m.	Differentiating temporal from frontal lobe seizures Zoltan Nadasdy, Ph.D. (Dell Children's, University of Texas, Austin, TX)
1:50-2:40 p.m.	Critical care EEG monitoring – Christopher Parres, M.D., (Beaumont Hospital, Royal Oak, MI)
2:40-3 p.m.	Virtual networking and break
3-3:50 p.m.	Tips and tricks for LTM application and maintenance Rachel Bogusz, R. EEG T. (Henry Ford Hospital, Detroit, MI) and Eileen Hyde, R. EEG T. (Beaumont Hospital, Royal Oak, MI)
4-4:15 p.m.	Question and answer closing remarks – Maria Victoria Perry, BS, R.EEG T (Beaumont Hospital, Royal Oak, MI)

Neuroscience

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