

September 20-22, 2023 Cleveland, Ohio USA

Case Western Reserve University Tinkham Veale University Center Cleveland, Ohio



September 18-19 **Comprehensive Epilepsy Course:** The Management of Medically Intractable Epilepsy

September 20-22 The 15th International Epilepsy Colloquium: Ictal Semiology and its Value in Epilepsy Surgery



Introduction

The International Epilepsy Colloquium represents a joint initiative from the epilepsy centers of University Hospitals Cleveland Medical Center in the United States; Goethe Universität in Germany; Lyon University Hospital Institute for Children and Adolescents with Epilepsy (IDEE) in France; Grenoble University Hospital in France; University College in London; Les Hopitaux Universitaires de Strasbourg in France; University of Enlargen and Université de Lausanne in Switzerland.

The Colloquium will be preceded by a Comprehensive Epilepsy Course which will consist primarily of case discussions with active participation of the audience and a panel of experts. The Course covers all areas of epileptology providing an excellent overview. The faculty participating in this Course was carefully selected to include highly experienced epileptologists who are superb clinicians and excellent teachers.

Welcome to Cleveland!

https://www.thisiscleveland.com/meetings/know-before-you-go

Target Audience

The course and colloquium are designed for faculty physicians and trainees in the areas of: epilepsy, adult and pediatric neurology, neurosurgery and neuropsychology with emphasis in epilepsy. Epilepsy nurses and EEG technologists will also find this education of value.

Learning Objectives:

After attending the Course and Colloquium, participants will be able to:

- 1. Recognize how seizure semiology can be deftly used to localize seizure onset
- Describe ictal propagation pathways through analysis of the sequence of development of different semiologic features
- **3.** Discuss the traps and pitfalls in applying seizure semiology for localization of the epileptogenic zone
- **4.** Approach difficult cases with an enhanced understanding of the latest medical and surgical options
- 5. Discuss modern surgical diagnostic and treatment options for intractable focal epilepsy, including laser and thermal coagulation, investigations with subdural and stereotactic EEG in pediatric and adult population

Continuing Education

Case Western Reserve University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Comprehensive Epilepsy Course

Case Western Reserve University School of Medicine designates this live activity for a maximum of 11 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

15th International Epilepsy Colloquium

Case Western Reserve University School of Medicine designates this live activity for a maximum of 24 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Faculty

Ali Alim-Marvasti

Queen Square Institute of Neurology

University College London

UK

Shahram Amina

Kaiser Permanente

Redwood City Medical Center

USA

Alexis Arzimanoglou

University Hospitals of Lyon

France

Christoph Baumgartner

General Hospital Hietzing

Neurological Center Rosenhügel

Sigmund Freud University

Austria

Sándor Beniczky

Aarhus University Hospital

Danish Epilepsy Center

Denmark

Adriana Bermeo

Rush Epilepsy Center

Rush University Medical Center

USA

Andrew Bleasel

The University of Sydney

Westmead Hospital Clinical School

Australia

Francesco Cardinale

Niguarda Hospital

Claudio Munari Center for Epilepsy

Italy

Mar Carreño

Hospital Clinic Barcelona

Institut d'Investigacions Biomèdiques

August Pi i Sunver

Spain

Patrick Chauvel

Comprehensive Epilepsy Center University of

Pittsburgh Medical Center

USA

Youssef G. Comair

Department of Neurological Surgery

John Hopkins University

USA

Beate Diehl

Queen Square Institute of Neurology

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John Duncan

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Neel Fotedar

University Hospitals Cleveland Case Western Reserve University USA

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Niguarda Hospital Claudio Munari Center for Epilepsy Surgery Italy

Naiara Garcia Losarcos

University Hospitals Cleveland Case Western Reserve University USA

Jorge Gonzalez-Martinez

Department of Neurological Surgery and Epilepsy Center University of Pittsburgh Medical Center USA

Mark Hallett

Distinguished NIH Investigator Emeritus National Institute of Neurological Disorders and Stroke USA

Edouard Hirsch

Medical and Surgical Epilepsy Unit University Hospital of Strasbourg France

Hans Holthausen

Center for Pediatric Neurology and Epileptology Shoen-Klinik Vogtareuth Germany

Luisa Londono Hurtado

University Hospitals Cleveland Case Western Reserve University USA

Lara Jehi

Epilepsy Center Neurological Institute Cleveland Clinic USA

Philippe Kahane

Université Grenoble-Alpes CHU Grenoble Alpes France

Roohi Katyal

Louisiana State University Ochsner Health Sciences Center USA

Karl Martin Klein

Hotchkiss Brain Institute University of Calgary Cumming School of Medicine Canada

Susanne Knake Epilepsy Center Hessen Philipps University Marburg Germany

UK Guadalupe Fernandez-Baca Vaca

University Hospitals Cleveland Case Western Reserve University USA

Faculty

Prakash Kotagal

Epilepsy Center Neurological Institute Cleveland Clinic USA

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Division of Epilepsy Boston Children's Hospital Harvard Medical School USA

Hans Otto Lüders

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Division of Neurology Quebec Centre Hospitalier de l'Université Laval Canada

Jonathan Miller

University Hospitals Cleveland Case Western Reserve University USA

Dang Nguyen

University of Montreal Medical Center CHUM Research Center Canada

Soheyl Noachtar

Epilepsy Center University of Munich Ludwig-Maximilians-University Germany

Lino Nobili

IRCCS Istituto Giannina Gaslini Department of Neuroscience University of Genoa Italy

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Jun Park

Rainbow Babies and Children's Hospital University Hospitals Cleveland Case Western Reserve University USA

Elia Pestana-Knight

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Felix Rosenow

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Philippe Ryvlin

Department of Clinical Neurosciences Lausanne University Hospital University of Lausanne Switzerland

Satya Sahoo

Department of Population and Quantitative Health Sciences Case Western Reserve University USA

Stephan Schuele

Department of Neurology Northwestern University Feinberg School of Medicine USA

Asim Shahid

New York-Presbyterian Brooklyn Methodist Hospital Weill Cornell Medicine USA

Adam Strzelczyk

Epilepsy Center Frankfurt Rhine-Main Goethe-University Frankfurt Germany

Ákos Szabó

South Texas Comprehensive Epilepsy Center UT Health San Antonio USA

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Laura Vilella UT Health Science Center at Houston

USA

Konrad Werhahn

UCB Pharma Monheim am Rhein Germany

Elaine Wyllie Epilepsy Center

Neurological Institute Cleveland Clinic USA

Jon Zande University Hospitals Cleveland Case Western Reserve University USA

Faculty Disclosure Statement

As an organization accredited by the ACCME, the Case Western Reserve University School of Medicine CME Program requires that the content of CME activities and related materials provide balance, independence, objectivity, and scientific rigor. All faculty, planners, and others in a position to control continuing medical education content are required to disclose all financial relationships with ineligible companies within the past 24 months regardless of the amount and their view of the relevance of the relationship to the education. Ineligible companies are organizations whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. Faculty (authors, presenters, speakers) are encouraged to provide a balanced view of therapeutic options by utilizing either generic names or other options available when utilizing trade names to ensure impartiality.

The Case Western Reserve University School of Medicine CME Program has implemented a mechanism to identify and resolve all conflicts of interest prior to the activity. The intent of this policy is to identify potential conflicts of interest so participants can form their own judgments with full disclosure of the facts. Participants are asked to evaluate whether the speaker's outside interests reflect a possible bias in the planning or presentation of the activity.



Program Agenda

International Epilepsy Course

Monday, September 18, 2023 🔳 🔳

7:15 AM	Registration and Breakfast
8:00 AM	Introduction Guadalupe Fernandez–Baca Vaca
8:15 AM	Introduction to Voting System Neel Fotedar
8:30 AM	Epilepsy After First Unprovoked Seizure Soheyl Noachtar
9:00 AM	Predictors and Causes of Medically Intractable Epilepsy Akos Szabo
9:30 AM	Localization of the Epileptogenic Zone Andrew Bleasel
10:00 AM	Coffee Break
10:30 AM	The Irritative Zone and the Ictal Onset Zone Naiara Garcia Losarcos
11:00 AM	Case Discussions Moderator: Guadalupe Fernandez–Baca Vaca Faculty: Mar Carreño, Adriana Bermeo
12:00 PM	Lunch
1:00 PM	The Importance of Seizure Semiology for the Management of Epilepsy Felix Rosenow
1:30 PM	Adult Seizure Semiology – Case Discussions Moderator: Stephan Schuele Faculty: Neel Fotedar, Shahram Amina, Laura Vilella
3:00 PM	Coffee Break

Program Agenda

Monday, September 18, 2023 (continued) 🔳 🔳		SESSION 2	Moderators: Patrick Chauvel and Hans O Lüders		
3:30 PM	Pediatric Seizure Semiology – Case Discussions Moderator: Andrew Bleasel Faculty: Elia Pestana, Asim Shahid, Jun Park	10:20 AM	Debate – Epileptogenic Zone or Network – The Neurosurgeon's Perspectiv Illustrative Cases and Case Discussions Francesco Cardinale Youssef G. Comair Jonathan Miller		
5:00 PM	Structural Imaging in Epilepsy Beate Diehl		Jorge Gonzalez-Martinez		
5:30 PM Th	The Epileptogenic Lesion – Case Discussions	12:10 PM	Lunch		
	Moderator: Soheyl Noachtar Faculty: Luisa Londono, Guadalupe Fernandez Baca Vaca	SESSION 3	Moderators: John Duncan and Edouard Hirsch		
Tuesday, September 19, 2023		1:10 PM	Prediction and Detection of Epileptic Seizures Tobias Loddenkemper		
7:15 AM	Registration and Breakfast	1:35 PM			
8:00 AM	Rational for Invasive Evaluation Jorge Gonzalez–Martinez	SESSION 4			
8:30 AM	When to Use SEEG vs Subdural Grids Youssef G. Comair	Debate – The Symptomatogenic Zone2:00 PMSymptomatogenic Zone Definition and Significance in Surgical			
9:00 AM	Case Discussions Moderator: Youssef G. Comair		Decision–making Andrew Bleasel		
10:00 AM	Faculty: Nitin Tandon, Jonathan Miller Coffee Break	2:25 PM	Symptomatogenic Network Definition and Significance in Surgical Decision–Making Patrick Chauvel		
10:30 AM	Basics of Invasive EEG Interpretation Dang Nguyen	2:50 PM	Direct Cortical Stimulation Parameters and its Role in Epilepsy Surgery Philippe Kahane		
11:00 AM	Case Discussions	3:15 PM	Discussion		
12:00 PM	Moderator: Dang Nguyen Faculty: Jon Zande, Laurence Martineau Lunch	3:30 PM	Unknown Semiology Case 1 and Discussion – Faculty and Participants Will Vote		
1:00 PM	Pharmaceutical Symposium		Elia Pestana		
6:30 PM	Reception at the Botanical Garden	4:00 PM	Coffee Break and Visit Exhibits and Posters		
0.501101		SESSION 5	Moderators: Philippe Kahane and Felix Rosenow		
15th International Epilepsy Colloquium		4:30 PM	Introduction to Neuroinformatics – Current and Future Applications in the Field of Epilepsy Satya Sahoo		
7:00 AM	September 20, 2023 Registration and Breakfast	4:55 PM	Probabilistic Landscape of Seizure Semiology Localizing Values – Method, Visualization, and Applications Ali Alim–Marvasti, John Duncan		
7:45 AM	Welcome and Introduction				
8:00 AM	Guadalupe Fernandez–Baca Vaca Introduction to the Voting System Neel Fotedar	5:40 PM	Unknown Semiology Case 2 and Discussion – Faculty and Participants Will Vote Luisa Londono		
8:15 AM	Hypermotor Seizures: Stimulation or Release Phenomenon?	6:10 PM	End Day 1		
	Distinguished Epileptologist Lecture: Carlo Alberto Tassinari	Thursday, Se	Thursday, September 21, 2023 🔳 🔳 🔳		
SESSION 1	Moderators: Andrew Bleasel and Carlo Alberto Tassinari	7:15 AM	Registration and Breakfast		
9:00 AM	Four Dimensional Classification of Epilepsies Hans Lüders	SESSION 6	Moderators: Soheyl Noachtar and Stefano Francione		
9:25 AM	The Epileptogenic Zone and Network – Advantages, Disadvantages and Discussion	8:00 AM	Abdominal Auras and Emetic Seizures Christoph Baumgartner		
9:50 AM	Philippe Ryvlin Coffee Break and Visit Exhibits and Posters	8:25 AM	Psychic Auras Jon Zande		
		8:50 AM	Somatosensory and Painful Auras Felix Rosenow		

Program Agenda

Program Agenda

Thursday, Sej	otember 21, 2023 (continued) 🔳 🔳	SESS
9:15 AM	Auditory Auras Dang Nguyen	8:00 4
9:40 AM	Unknown Semiology Case 3 and Discussion – Faculty and Participants Will Vote Shahram Amina	8:25 /
10:10 AM	Coffee Break and Visit Exhibits and Posters	8:50 4
SESSION 7	Moderators: Dang Nguyen, Prakash Kotagal	
10:40 AM	Vestibular Auras Soheyl Noachtar	9:15 /
11:05 AM	Visual Auras Susanne Knake	9:40 4
11:30 AM	Unknown Semiology Case 4 and Discussion – Participants Will Vote Asim Shahid	10:05
12:00 AM	Unknown Semiology Case 5 and Discussion – Faculty and Participants Will Vote Mar Carreño	10:30
12:30 PM	Lunch	10:55
SESSION 8	Moderators: Guadalupe Fernandez–Baca Vaca, Jan Remi	SESS
1:30 PM	Ictal Heart Rate Changes During Seizures	11:25
	Stephen Schuele	12:10
1:55 PM	lctal Central Apnea Laura Vilella	12:55
2:20 PM	Sialorrheic Seizures or Sialorrhea: A Red Flag in Temporo–Mesial Epilepsy with Hippocampal Sclerosis and Hypermotor Epilepsy Edouard Hirsch	SESS 1:55 F
2:45 PM	Pilomotor Seizures – Introduction, Illustrative Case and Discussion Naiara Garcia Losarcos	1.551
3:10 PM	Unknown Semiology Case 6 and Discussion – Faculty and Participants Will Vote Laurence Martineau	2:20 F
3:40 PM	Coffee Break and Visit Exhibits and Posters	2:40 F
SESSION 9	Moderators: Sandor Beniczky, Stephan Schuele	
4:10 PM	Dyscognitive Seizures – Clinical Correlation During the Ictal and Postictal Interview What Can We Measure? Guadalupe Fernandez–Baca Vaca	3:50 F
4:35 PM	Consciousness in Pediatric Seizures Prakash Kotagal	SESS 4:20 F
SESSION 10	Moderators: Carlo Alberto Tassinari, Philippe Kahane	4.201
5:00 PM	Hypermotor and Emotional Seizures – Definition, Localizing and Lateralizing Value Lino Nobili	4:45 F
5:25 PM	Automotor Seizures – Definition, Localizing and Lateralizing Value Adriana Bermeo	5:10 F
5:55 PM	End Day 2	5:25 F
Friday, Septe	mber 22, 2023 🔳 🔳 🔳	·
7:15 AM	Registration and Breakfast	6:00 F
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Program Agenda					
SESSION 11	Moderators: Christoph Baumgartner and Asim Shahid				
8:00 AM	Ictal Semiology in the Pediatric Patients – What is Different? Alexis Arzimanoglou				
8:25 AM	Challenges of Interpreting Semiology and EEG in Pediatric Candidates for Epilepsy Surgery Elaine Wyllie				
8:50 AM	Semiology of Drop Attacks Andre Palmini				
9:15 AM	Epileptic Spasms – Semiology, Neurophysiology and Prognosis Jun Park				
9:40 AM	SEEG Studies in Patients with Startle Seizures Stefano Francione				
10:05 AM	Bilateral Asymmetric Tonic Seizures Hans Holthausen				
10:30 AM	Epileptic vs Non–epileptic Tonic Event Roohi Katyal				
10:55 AM	Coffee Break and Visit Exhibits and Posters				
SESSION 12	Moderators: Elaine Wyllie and Hans Holthausen				
11:25 AM	Semiology and Polygraphic Study of Myoclonus, Clonic and Tonic Seizures Mark Hallett and Neel Fotedar				
12:10 PM	Negative Motor Seizures Soheyl Noachtar and Jan Remi				
12:55 PM	Lunch				
SESSION 13	Moderators: Alexis Arzimanoglou and Philippe Ryvlin				
1:55 PM	Versive Seizures and Early Head Turn Hajo Hamer Debate: Morbidity and Mortality				
2:20 PM	Aspects of Semiology Relevant to Morbidity and Mortality Beate Diehl				
2:40 PM	Generalized Tonic–clonic Seizures Semiology – Akos Szabo Peri–Ictal Central Apnea – Laura Vilella Changes in Body Position – Adam Strzelczyk Discussion				
3:50 PM	Coffee Break and Visit Exhibits and Posters				
SESSION 14	Moderators: Hans O Lüders, Patrick Chauvel Debate: Seizure Classification and Terminology				
4:20 PM	Cluster Analysis for Epilepsy Classification Karl Martin Klein				
4:45 PM	Challenges of Seizure Classification Development. How Can We Do Better? Sandor Beniczky				
5:10 PM	Summary Results of All Unkown Cases Terminology Voted by Faculty and Participants Neel Fotedar				
5:25 PM	Debate: Future Epilepsy Classification and Terminology Colloquium Faculty to Participate				
6:00 PM	Closing Remarks and Introduction of Frankfurt International Epilepsy Colloquium 2024				

Call for Posters

You are invited to respond to the Call for Posters for the 15th International Epilepsy Colloquium, September 20-22, 2023. Abstracts for posters (not exceeding 250 words) should be submitted via email to *amy.pisman@case. edu* by July 20, 2023. Authors are responsible for transporting and mounting their own posters. Easels and 4 foot high by 8 foot wide boards will be provided. Posters will be on display throughout the Colloquium in the area with refreshments and vendor displays.

All poster presenters will receive discounted tuition of \$100 toward the registration fees. A credit will be applied (if already registered) or a discount code will be sent with verification of poster acceptance. In addition prizes of \$1,000 for first place and \$500 for second place will be provided.

Location/Parking/Accommodations

Tinkham Veale University Center 11038 Bellflower Road Cleveland, Ohio 44106 216-368-5681

The Tinkham Veale University Center is located in the heart of University Circle. The conference will be held in the Kelvin & Eleanor Smith Foundation Grand Ballroom on the second floor. Persons with disabilities should inform Tinkham Veale staff of any special services required.

Parking

Guests are encouraged to park in the underground garage located at Campus Center Parking Garage (Lot S-29), 11172 East Boulevard, Cleveland, Ohio 44106. You are responsible for your own parking charges.

Accommodations

Case Western Reserve University has reserved a block of rooms at the Courtyard Marriott Hotel for the nights of Sunday, September 17 through Friday, September 22, at the rate of \$173/night (plus tax) for single/double occupancy. Our room block is limited and expires August 27, 2023.

Make your reservation by calling the Courtyard Marriott directly at 1-800-MARRIOTT. Ask for the Case Western 2023 Epilepsy Colloquium group rate. Or make your reservation online at **Book Your Group/Corporate Rate | Marriott International**. Reservations are guaranteed by each individual and a deposit of one night's rate, plus tax, is required.

Cleveland Botanical Gardens Welcome Reception

On Tuesday evening, September 19, join us for a reception at the Cleveland Botanical Gardens. Spend the evening enjoying fabulous food and drinks, touring ten acres of outdoor gardens at your leisure, and visiting the Eleanor Smith Glasshouse, including the spiny desert of Madagascar and the cloud forest of Costa Rica.

Cancellation Policy

Cancellations received on or prior to September 8 will be refunded less a \$100.00 cancellation fee. No refund will be given for cancellations received after September 8.

Additional Information

For more information:

- Visit https://cwru.cloud-cme.com/Epilepsy2023
- Email medcme@case.edu
- Telephone 216-983-1239 or 800-274-8263



SCAN ME

Registration Information

Conference tuition includes all educational sessions, continental breakfast each day, lunch each day excluding Tuesday, a welcome reception on Tuesday evening at the Botanical Gardens and access to an online syllabus in PDF form. Persons with special needs that require assistance should call the CME Program not less than two weeks prior to the start of the activity.

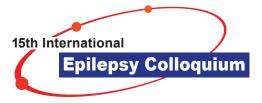
Registration

2023 International Epilepsy Colloquium

Tuition:

	Epilepsy Course Only (Sept. 18-19)	International Colloquium Only (Sept. 20-22)	Course & Colloquium (Sept. 18-22)
Physician	\$300	\$550	\$700
Resident/Fellow/Allied Health/Non-Physician	\$175	\$250	\$350

Register here: https://cwru.cloud-cme.com/Epilepsy2023 or scan the QR code above.



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Continuing Medical Education 10524 Euclid Avenue Cleveland, Ohio 44106

15th International Epilepsy Colloquium

in Epilepsy Surgery

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