



**ESTM** 2024  
**DUBAI**  
EPILEPSY SURGERY TECHNIQUES MEETING  
19/01/2024 - 21/01/2024

**ILAE** International League  
Against Epilepsy

HOST CITY  
**DUBAI**



*IESS*  
*dubai*

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**INTERNATIONAL EPILEPSY  
SURGERY SOCIETY CONGRESS**

**IESS DUBAI 2024**

19 - 21 January 2024

Conrad Hotel, Dubai, UAE

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# WELCOME MESSAGE FROM THE CONGRESS BOARD

It is a great pleasure to welcome you to The **International Epilepsy Surgery Society Congress, IESS Dubai 2024** will take place **19th – 21st January 2024 at the Conrad Hotel, Dubai, United Arab Emirates.**

The event is set to be one of the largest and most comprehensive epilepsy surgery congresses in the region

This congress marks a milestone in epilepsy treatment and unlike other epilepsy conferences, it provides three full days of content related to various aspects of epilepsy surgery techniques. The content is presented by global leading experts in the field, allowing participants to discuss aspects of neurosurgery with distinguished regional and international faculty.

IESS seeks to bridge the treatment gap for potential epilepsy surgery candidates through scientific exchange, promotion and education on the surgical aspects of epilepsy treatment. IESS form an overarching body of authority in our subspecialty by joining forces among the many departments and divisions of functional neurosurgery in many neurosurgical societies around the world.

Acting as a strong partner and equal to our colleagues from neurology and all other disciplines involved in the treatment of patients with epilepsy Practice at the local, regional, continental and international levels.

We are really fortunate to have this meeting in collaboration with the Epilepsy surgery techniques meeting (ESTM), the international league against epilepsy (ILAE), The Egyptian Society of Neuroradiology (ESON) and King Faisal Specialist Hospital & Research Center.

The scientific program is distinguished, with high-level courses, and distinguished speakers from all over the world, and very educational and fascinating presentations. I firmly believe that the content of this conference from sessions to courses will guide our young neuro interventionists and epilepsy surgeons, broadening their minds, strengthening their technical skills, and introducing them to a new era with a brighter future.

Our best wishes to all that they have an unforgettable gathering and a great successful event.

*Dr. Christian Dorfer*  
IESS President

*Dr. Faisal Alotaibi*  
Congress President

*Dr. Arthur Cukiert*  
IESS Treasurer

*Bertil Rydenhag, MD*  
Secretary

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Associate Professor, Vice-Chair,  
Department of Neurosurgery, **Medical University of Vienna**  
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**Dr. Arthur Cukiert**  
Professor, Chair, Neurology and  
Neurosurgery Clinic **Sao Paolo Clinica  
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Professor of Neurological Surgery, **Neuroscience  
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**Guoming Luan**  
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**Comprehensive Epilepsy Center, Sanbo  
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**Sarat Chandra**  
MD, Professor, Department of  
Neurosurgery, **All India Institute of  
Medical Sciences**



**Mario Alonso Vanegas**  
MD, Department of Neurosurgery, **National  
Institute of Neurology and Neurosurgery,  
Medical Center ABC Santa Fe, Mexico City**

## CONGRESS FACULTY



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Professor, Chair, Neurology and Neurosurgery  
Clinic **Sao Paulo Clinica Neurologica Cukiert**  
**IESS Treasurer**



### Antonio Nogueira

Specializes in Neurosurgery, Member of the **Brazilian Society of Neurosurgery**, the **Brazilian Academy of Neurosurgery** and the **Brazilian Society of Stereotaxy and Functional Neurosurgery**



### Alexander Weil

MD, FRCSC, FAANS, FACS, Pediatric Neurosurgery Epilepsy Functional neurosurgery **Sainte-Justine Hospital, University of Montreal**



### Bayron Sandoval

MD, MSc, Associate Professor of Neurosurgery **Medica Sur / CMN. Mexico City. Epilepsy Surgery. Neuro-Oncology at the National Medical Center Mexican Institute of Social Security**



### Dr. Benedict Marius Selladurai

Consultant Neurosurgeon, Brain and Spinal Surgery, Cervical And Lumbar Disc Surgery, Cervical Laminoplasty, Microneuro Surgery, Skull Base Surgery, Fellowship from the **Royal College of Surgeons of England, United Kingdom**



### Dr. Bertil Rydenhag

Dept. of Clinical Neuroscience, Institute of Neuroscience and Physiology, Dept. of Neurosurgery, **The Sahlgrenska Academy, University of Gothenburg, Sahlgrenska University Hospital**  
**IESS Secretary**



### Bhaskara Rao Malla

Consultant Neurosurgeon associated with **National Institute of Mental Health and Neuro Sciences, Bangalore**



### Brett Youngerman

Neurological Surgery at the **Neurological Institute of New York**, fellowship training at **Weill Cornell Medical Center, New York, New York, USA**



### Chima Oluigbo

M.D., FRCSC, FAANS, Pediatric neurosurgeon at **Children's National Hospital** and Professor of Neurological Surgery, Neurology and Pediatrics at the **George Washington University School of Medicine**



### Dr. Christian Dorfer

Associate Professor, Vice-Chair, Department of Neurosurgery, **Medical University of Vienna**  
**IESS President**



### Daniel Nilsson

MD, Assoc Prof in Neurosurgery, Department of Clinical Neuroscience and Rehabilitation **University of Gothenburg | GU**



### David Adelson

Steve A. Antoline Endowed Chair for Children's Neuroscience, Vice Chair, **Rockefeller Neuroscience Institute**, Executive Director, **WVU Children's Neuroscience Center**



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MD, Ma(hon), FACS, FAES, Harvey and Kate Cushing Professor, Emeritus, Chairman, Emeritus, Department of Neurosurgery, Co-Director Comprehensive Epilepsy Program, **Yale University School of Medicine**



### Didier Scavarda

Chief of Pediatric Neurosurgery at **Hôpital d'Enfants de la Timone. SFNCP French Society of Pediatric Neurosurgery, Aix-Marseille University**

## CONGRESS FACULTY



### Eyiyesi Damisah

MD, Assistant Professor of Neurosurgery; Assistant Professor, Neuroscience Adult and pediatric functional neurosurgeons interested in mechanisms of epilepsy, neuropsychiatric disease and higher-order cognition in humans



### Dr. Faisal Alotaibi

Professor of Neurological Surgery, Neuroscience Centre, King Faisal Specialist Hospital and Research Centre, Alfaisal University Riyadh, Congress President



### FLAVIO GIORDANO

Head of the Complex Operative Unit of Functional Neurosurgery and Epilepsy, and of the Spina Bifida Center of AOU Meyer



### Georg Dorfmueller

Head of the Neurosurgery Department and Professor of Neurosurgery at the Adolphe Rothschild Foundation in Paris France



### George Jallo

M.D, Clinical Practice Director of Pediatric Neurosurgery, Johns Hopkins All Children's Hospital, Professor of Neurosurgery



### Gordon H. Baltuch

MD, PHD, Co-Chief of the Division of Functional Neurosurgery and Professor of Neurosurgery at Columbia University Vagelos College of Physicians and Surgeons and CUIMC/NYP



### Guoming Luan

MD, PhD, Department of Neurosurgery, Comprehensive Epilepsy Center, Sanbo Brain Hospital, Capital Medical University



### Guy McKhann

MD, PhD, Department of Neurological Surgery, Columbia University Medical Center New York, Vice-Secretary



### Jason Gerrard

Associate Professor of Neurosurgery & Neurobiology; Director of Functional Neurosurgery



### Jeffrey P. Blount

M.D., Member of the Pediatric Division of the UAB Department of Neurosurgery at the Children's Hospital of Alabama



### Jonathan Roth

Neurosurgeon working at the Sourasky Medical Center, University Sackler Faculty of Medicine



### Jorge Gonzalez-Martinez

MD, PhD, Professor, Director, Epilepsy & Movement Disorders Program, Co-Director, University of Pittsburgh Epilepsy Center, Director, Cortical Systems Laboratory Vice-Treasurer



### Karl Roessler

MD, Full Professor, Chair, Department of Neurosurgery, Medical University of Vienna Vice-President



### Kensuke Kawai

M.D., Ph.D., Professor & Director, Department of Neurosurgery, Jichi Medical University, Vice Director, Jichi Medical University Hospital Director, Epilepsy Center, Jichi Medical University Hospital

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### Marec von Lehe

Department of Neurosurgery, **Brandenburg Medical School Theodor Fontane, Neuruppin, Germany**



### Mario Alonso Vanegas

MD, Department of Neurosurgery, **National Institute of Neurology and Neurosurgery, Medical Center ABC Santa Fe, Mexico City**



### Mark Dexter

B Sc (Med) (Hons), MBBS (Hons I), FRACS IFAANS, Head of Neurosurgery at **Westmead** and the Director of Neurosurgery at **SWAHS, Westmead Hospital**



### Masaki Iwasaki

Department of Neurosurgery, **National Center Hospital, National Center of Neurology and Psychiatry**



### Dr. Mohammad Alolama

Consultant Neurosurgeon, **Valiant Clinic & Hospital, Dubai, Congress Organizing Board**



### Nitin Tandon

MD, Neurosurgeon Professor and Chairman ad interim Vivian L. Smith Department of Neurosurgery **McGovern Medical School, UTHealth Houston**, Chairman ad interim and professor of neurosurgery at **McGovern Medical School at UTHealth Houston**, chief of the epilepsy surgery program



### Olaf Schijns

Chair, Section of Functional Neurosurgery, **Germany**



### Rafael Basilio Guimaraes

Neurosurgery at the Faculdade de Medicina do ABC; Member of the Brazilian Society of Neurosurgery; Member of the clinical staff of Clínica Cukiert



### Reza Zare, MD

Neurosurgeon, Department of Neurosurgery, **Razavi Hospital, Mashhad, Iran**



### RICARDO CENTENO

Professor of the Discipline of Neurosurgery at the Department of Neurology and Neurosurgery at the **Federal University of São Paulo**, Head of the Functional Neurosurgery and Epilepsy Sector, Member of the **Brazilian Society of Neurosurgery /Brazilian Society of Functional Neurosurgery**, Professor Advisor of the Graduate Program in Neurosciences Department of Neurology and Neurosurgery, Scientific Director of the Laboratory of Microneurosurgery



### Robert Gross

MD, Specializes in Neurology. **UCHealth Neurosciences Center - Anschutz Medical Campus**



### Sarat Chandra

MD, Professor, Department of Neurosurgery, **All India Institute of Medical Sciences**



### Stenio A. Sarmento

Neurosurgeon and Titular Member of the **Brazilian Society of Neurosurgery (SBN)**, PhD in Neurosciences, Observer Fellow at the **Barrow Neurological Institute - Phoenix - Arizona - USA**, Professor of Neuroanatomy and Neurosurgery, President of the **Brazilian Congress of Neurosurgery**



### Steven Ojemann

MD, Professor of Clinical Practice, Neurosurgery, specializes in the surgical treatment of movement disorders and epilepsy

## CONGRESS FACULTY



### Takamichi Yamamoto

MD, MS, PhD, FAES, Vice Executive Director  
Neurosurgeon, **Seirei Hamamatsu  
General Hospital Hamamatsu, Japan**



### Xiongfei Wang

Epilepsy Surgery



### Youssef G Comair

M.D, Professor (PAR) of Neurosurgery



### Abdulrahman Jafar Sabbagh

M.D., FRCS(C), Visiting scientist and former Fellow  
at the **Neurosurgical Simulation Research and  
Training Centre, MNI**



### Abdulrahman Nazer

Functional and Epilepsy Neurosurgeon  
**Saudi Arabia**



### Ahmed Najjar

MBBS MSc FRCS, Surgery, **Taibah University**



### Aleya Almazmi



### Faisal T. Sayer

Consultant and Chairman, Department of  
Neurosurgery, **Ibn Sina Hospital**. Residency  
program Director, **KIMS**



### Sasha Dionisio

Associate Professor, Head of the Mater Advanced  
Epilepsy Unit, Queensland's first and only adult,  
level 4, tertiary referral public epilepsy surgery  
centre. **The Mater Advanced Epilepsy Unit  
primarily focuses on Stereo-electroencephalography  
(SEEG), brain mapping (CCEPS)**



### Soha Alomar

Associate Professor of Neurosurgery, **King  
Abdulaziz University, Jeddah, Saudi Arabia,**



### Tarek Jallul

Department of Neurosurgery, **King Fahad  
Specialist Hospital**



### Walid Abdel Ghany

MD, PhD, Department of Neurosurgery  
**Ain Shams University**



# Call for Abstracts



## Abstract Topics Categories

- Clinical Epilepsy
- Neurophysiology
- Neuroradiology
- Epilepsy Surgery
- Neurostimulation
- Neuroinnovation in epilepsy
- Nursing in Epilepsy
- Research and Education
- Basic Science

Abstract Deadline: **October 30, 2023**

Win Valuable prizes for best abstracts



# SCIENTIFIC PROGRAM

## DAY I: 19 January 2024

08:00 – 09:00 Breakfast and Registration

### Session I: Keynote

Chairpersons: Christian Dorfer, Arthur Cukiert, Faisal Alotaibi

- 09:00 – 09:20 Welcome Remarks (Dubai development)  
09:20 – 09:40 Paradigms shift in epilepsy surgery  
[Dennis Spencer](#)  
09:40 – 10:00 Discussion: Questions and Answers

10:00 – 10:30 Break and Exhibition

### Session II:

Chairpersons: David Steven, Gordon Baltuch

- 10:30 – 10:45 Image guided surgery  
[Karl Roessler](#)  
10:45 – 11:00 SEEG-Guided Rolandic Resections  
[Jorge Gonzalez-Martinez](#)  
11:00 – 11:15 SEEG-guided radiofrequency lesions in PVNH  
[Olaf Schijns](#)  
11:15 – 11:30 SEEG-guided radiofrequency lesioning  
[Guoming Luan](#)  
11:30 – 12:00 Discussion

12:00 – 13:00 Lunch Break

### Session III:

Chairpersons: Bertil Rydenhag, Soha Alomar

- 13:00 – 13:15 Deep-seated lesions thermocoagulation  
[Bertil Rydenhag](#)  
13:15 – 13:30 LITT in LEATs  
[George Jallo](#)  
13:30 – 13:45 LITT  
[Daniel Nilsson](#)  
13:45 – 14:00 LITT in temporal lobe epilepsy  
[Brett Youngerman](#)  
14:00 – 14:30 Discussion

14:30 – 15:00 Break and Exhibition

### Session IV:

Chairpersons: Guy McKhann, Faisal Sayer

- 15:00 – 15:15 Minimal requirements for an epilepsy surgery program  
[Marec von Lehe](#)  
15:15 – 15:30 Implementing SEEG in northeast Brazil  
[Stenio Sarmiento](#)  
15:30 – 15:45 Amygdala's anatomy and temporal lobe surgery  
[Antonio Nogueira](#)  
15:45 – 16:00 Evolution of temporal lobe surgical technique  
[Guy McKhan](#)  
16:00 – 16:30 Discussion: Questions and Answers  
**Closing Remarks**  
**End of Day I**

20:00 – 23:00 Faculty Dinner

# SCIENTIFIC PROGRAM

## DAY II: 20 January 2024

08:00 – 09:00 **Breakfast and Registration**

**Breakfast Session:**  
Chairpersons: Arthur Cukiert, Ahmed Najjar

- 08:00 – 08:15 RNS  
David Adelson
- 08:15 – 08:30 Multitarget RNS  
Robert Gross
- 08:30 – 8:45 Combined neuromodulation  
Arthur Cukiert

**Session V: Keynote**  
Chairpersons: Robert Gross, Sasha Dionisio

- 08:45 – 09:00 Thalamic stimulation in children  
Chima Oluigbo
- 09:00 – 09:15 Multisite DBS  
Jason Gerard
- 09:15 – 09:30 Focused ultrasound in epilepsy surgery  
Gordon Baltuch
- 09:30 – 10:00 Discussion

10:00 – 10:30 **Break and Exhibition**

**Session VI:**  
Chairperson: Masak Iwasaki

- 10:30 – 10:45 Disconnective surgery in children  
Didier Scavarda
- 10:45 – 11:00 Hemispheric surgery in Children  
Masaki Iwasaki
- 11:00 – 11:15 Vertical hemispherotomy  
Christian Dorfer
- 11:15 – 11:30 Evolution of hemispheric surgery  
Sarat Chandra
- 11:30 – 12:00 Discussion: Questions and Answers

12:00 – 13:00 **Lunch Break**

**Session VII:**  
Chairpersons: Ricardo Centeno, Abdulrahman Sabbagh

- 13:00 – 13:15 Major hemispheric resections in low-weight kids  
Mark Dexter
- 13:15 – 13:30 Hemispherotomy failures  
Georg Dorfmueller
- 13:30 – 13:45 Peri-insular hemispherotomy  
Ricardo Centeno
- 13:45 – 14:00 Callosotomy and VNS  
Jonathan Roth
- 14:00 – 14:30 Discussion: Questions and Answers

14:30 – 15:00 **Break and Exhibition**

# SCIENTIFIC PROGRAM

## DAY II: 20 January 2024

**Session VIII:**  
Chairpersons: Abdulrahman Nazer, Walid Abdulghany

- 15:00 – 15:20 **Trans-sylvian hemispherectomy**  
Youssef Coumair
- 15:20 – 15:40 **Complications during trans-sylvian amygdalo-hippocampectomy**  
Zare Reza
- 15:40 – 16:00 **Parahippocampectomy**  
Mario Alonso
- 16:0 – 16:20 **Hippocampal transection**  
Takamichi Yamamoto
- 16:20 – 16:50 **Discussion: Questions and Answers**  
**Closing Remarks**  
**End of Day II**

20:00 – 23:00 **Networking Dinner**

# SCIENTIFIC PROGRAM

## DAY III: 21 January 2024

08:00 – 09:00 **Breakfast and Registration**

### Breakfast Session: Chairpersons: Falvio Giordano

- 08:00 – 08:15 Connectomics guide  
[Bayron Sandoval](#)
- 08:15 – 08:30 Complex VNS surgery  
[Flavio Giordano](#)
- 08:30 – 8:45 VNS and DBS impedance  
[Rafael Basilio Guimarães](#)

### Session IX: Keynote Chairpersons: Alolama Mohd, Tarek Jallul

- 08:45 – 09:00 New thalamic and limbic targets  
[Nitin Tandon](#)
- 09:00 – 09:15 Occipital resection plus RNS  
[Eyiymisi Damisah](#)
- 09:15 – 09:30 Awake surgery  
[Mark Guenot](#)
- 09:30 – 10:00 Discussion: Questions and Answers

10:00 – 10:30 **Break and Exhibition**

### Session X: Chairpersons: Steven Ojemann, Aleya Almazmi

- 10:30 – 10:45 Surgical strategies for hypothalamic hamartoma  
[Alexander Weil](#)
- 10:45 – 11:00 Ultra-early surgery in tuberous sclerosis  
[Jeffrey Blount](#)
- 11:00 – 11:15 Open resection after LITT  
[Steven Ojemann](#)
- 11:15 – 11:30 Lessons from 50 years of Epilepsy Surgery  
[David Steven](#)
- 11:30 – 12:00 Discussion: Questions and Answers

12:00 – 13:00 **Lunch Break**

### Session XI: Chairpersons: Christian Dorfer, Arthur Cukiert

- 13:00 – 13:15 Surgical treatment of parietal epilepsy  
[Xiongfei Wang](#)
- 13:15 – 13:30 Pediatric cortical dysplasia  
[Bhaskar Malla](#)
- 13:30 – 13:45 LEAT in the Neocortex  
[Ben Selladurai](#)
- 13:45 – 14:00 Posterior Disconnection  
[Kensuke Kawai](#)
- 14:00 – 14:30 Discussion: Questions and Answers  
**Congress Closing Remarks**  
**End of IESS Congress**

20:00 – 23:00 **Farewell Dinner**