
# Epilepsy Surgery: State of the Art with Minimally Invasive Techniques Course Agenda
# Thursday, December 12, 2024
# 8:00am-4:30pm
# (Preliminary Agenda)

**COURSE DESCRIPTION/LEARNING OBJECTIVES**

In conjunction with the AANS/CNS Joint Section on Pediatric Neurosurgery, we are conducting an educational seminar to highlight the paradigm shift in Pediatric Epilepsy Surgery that has taken place in the last two decades. Lectures that cover the evolution of surgery for refractory epilepsy in children and a practical training course will be held. Participants will have the opportunity to hear case presentations and perform case-specific surgical planning for stereo-EEG, place sEEG anchoring bolts and leads with robotics on 3D skull models, perform Laser Interstitial Thermal Therapy (LITT) platform mounting and trajectory planning, Neuromodulatory therapy planning with practical experience on a 3D skull model, and VNS Electrode mounting practice.

**COURSE FACULTY:**

Saadi Ghatan, Course Director
George Ibrahim
Howard Weiner
Aria Fallah
Alex Weil
Taylor Abel
Ron Baticulon
Nunthasiri Wittanakorn

**DIDACTIC SESSION**

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| 7:30 – 8:00 am | Breakfast and Networking |
| 8:00 – 8:30 am | Welcome<br>Evolution of Pediatric Epilepsy Surgery from Training to Practice<br>Saadi Ghatan |
| 8:30 – 9:00 am | Tuberous Sclerosis: Perspectives over 20 years<br>Howard Weiner |
| 9:00 – 9:30 am | Epilepsy Surgery in Asia<br>Ron Baticulon, MD |
| 9:30 – 10:00 am | Case-Based sEEG Planning and Stereotactic Techniques<br>Alex Weil, MD |
| 10:00 – 10:15 am | **Coffee Break** |
| 10:15 – 10:45 am | Maximally Invasive Epilepsy Surgery: It Still Works!<br>Ariah Fallah, MD |
| 10:45 – 11:15 am | LITT in Pediatric Epilepsy<br>Taylor Abel, MD |
| 11:15 – 11:45 am | Neuromodulatory Techniques in Pediatric Epilepsy: DBS, RNS, VNS<br>George Ibrahim, MD |
| 11:45 am – 12:15 pm | Panel Discussion and Questions |
| 12:15 – 1:00 pm | **Lunch** |
| 1:00pm – 4:30 pm | **Practical Course**<br>• Case Presentations and sEEG Planning Practice Using Robotic Software<br>• Robotic sEEG Placement with 3D Skull Models<br>• RNS, VNS, DBS, and LITT Practice with 3D Skull and Vagus Nerve Models |

4:30 – 4:40pm Closing Comments, Q & A Discussion