

**Mayo Clinic: Rhoton-de Oliveira Treatment Advances in Neurology and Functional Neurosurgery for Movement Disorders, Epilepsy & Headache 2026 Course**  
**June 4-6, 2026**

**Mayo Clinic Florida – Kinne Auditorium (on the first floor of the Cannaday Building) & Simulation Center (on the eighth floor of the Stabile North Building)**

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<b>Thursday, June 4, 2026</b>	
<b>Deep Brain Stimulation and Movement Disorders Procedures</b>	
7:00 AM ET	<b>Registration (In front of Kinne Auditorium, located on the first floor of the Cannaday Building) Breakfast, Exhibits, and E-Posters (Kinne Auditorium Section II)</b>
<b>Didactic Sessions – Neurosurgery/Neurology (Kinne Auditorium)</b>	
7:30 AM	<b>Welcome, Introduction, and Tribute to Sanjeet Grewal, MD, One of the Founding Course Directors</b> <i>Alfredo Quiñones-Hinojosa, MD, William Tatum, MD, and Vanessa Milanese, MD, PhD</i>
7:40 AM	<b>Surgery for Parkinson’s Disease – Patient &amp; Target Selection</b> <i>Jens Volkmann, MD</i>
8:00 AM	<b>Questions and Answers</b>
8:05 AM	<b>Functional Neuroanatomy of the Subthalamic Nucleus (STN)</b> <i>Vanessa Milanese, MD, PhD</i>
8:25 AM	<b>Questions and Answers</b>
8:30 AM	<b>Advanced Imaging for STN Targeting</b> <i>Harith Akram, MBChB, PhD</i>
8:50 AM	<b>Questions and Answers</b>
8:55 AM	<b>STN Programming Session: Live Parkinson’s Disease Patient</b> <i>Patricia Limousin, MD and Jose Ceballos, RN</i>
9:15 AM	<b>Questions and Answers</b>
9:20 AM	<b>Refreshment Break, Exhibits, and E-Posters (Kinne Auditorium Section II)</b>
9:50 AM	<b>Advanced Imaging, Anatomy, and Surgery for Dystonia</b> <i>Steven Ojemann, MD</i>
10:10 AM	<b>Questions and Answers</b>
10:15 AM	<b>GPi Programming Session: Live Dystonia Patient</b> <i>Sara Casagrande, MD and Lukasz M. Milanowski, MD, Ph.D.</i>
10:35 AM	<b>Questions and Answers</b>

10:40 AM	<b>Refreshment Break, Exhibits, and E-Posters (Kinne Auditorium Section II)</b>
11:10 AM	<b>Deciphering the Targets for Tremor: Neuroanatomy in Focus</b> <i>Vanessa Milanese, MD, PhD</i>
11:30 AM	<b>Questions and Answers</b>
11:35 AM	<b>Advanced Imaging for Thalamic Targets</b> <i>Erik Middlebrooks, MD</i>
11:55 AM	<b>Questions and Answers</b>
12:00 PM	<b>VIM Programming Session: Live Essential Tremor Patient</b> <i>D Campbell Dewey, MD and Jose Ceballos, RN</i>
12:20 PM	<b>Questions and Answers</b>
12:25 PM	<b>Lunch Break, Exhibits, and E-Posters (Kinne Auditorium Section II)</b>
12:45 PM	<b>Lunch and Learn</b> <b>Deep Brain Stimulation in the Real World: Troubleshooting Complications and Managing Challenges</b> <i>Paresh Doshi, MBBS, M.S., M.Ch.</i>
1:15 PM	<b>Questions and Answers</b>
1:20 PM	<b>Transition to Workshops at the Simulation Center/ Sim. Center Exhibits (Walk to the Vincent Stabile Building - 8th Floor)</b>
<b>Neurosurgery &amp; Neurology Workshops (Learning Center A/B &amp; Procedural Skills Lab in Simulation Center)</b>	
1:45 PM	<b>Frame Fixation, STN Targeting, and Stereotactic Approach to the STN (Hands-On Laboratory – Procedural Skills Lab)</b> <i>Vanessa Milanese, MD, PhD, Harith Akram, MBChB, PhD, and Patric Blomstedt, MD, PhD</i>
2:45 PM	<b>GPI Targeting and Stereotactic Approach to the GPI (Hands-On Laboratory – Procedural Skills Lab)</b> <i>Steven Ojemann, MD, Paresh Doshi, MBBS, M.S., M.Ch, and Jan Hachmann, MD</i>
3:45 PM	<b>Refreshment Break and Sim. Center Exhibits (In front of the Learning Rooms A/B)</b>
4:00 PM	<b>VIM Targeting and Stereotactic Approach to the VIM for DBS, Radiosurgery and HiFU (Hands-On Laboratory – Procedural Skills Lab)</b> <i>Erik Middlebrooks, MD and Harith Akram, MBChB, PhD</i>
5:00 PM	<b>Adjourn</b>

**Friday, June 5, 2026**  
**Movement Disorders & Epilepsy Procedures**

7:00 AM ET	<b>Breakfast, Exhibits, and E-Posters (Kinne Auditorium Section II)</b>
<b>Didactic Sessions – Neurology/Neurosurgery (Kinne Auditorium)</b>	

7:30 AM	<b>Invasive Monitoring with sEEG</b> <i>Kai Miller, MD</i>
7:55 AM	<b>Questions and Answers</b>
8:00 AM	<b>Probing the Living Connectome with Single-Pulse Brain Stimulation</b> <i>Kai Miller, MD</i>
8:20 AM	<b>Questions and Answers</b>
8:25 AM	<b>Bridging Artificial Intelligence and Connectivity for Surgical Targeting and Programming</b> <i>Kai Miller, MD</i>
8:40 AM	<b>Questions and Answers</b>
8:45 AM	<b>Troubleshooting in Deep Brain Stimulation Programming &amp; Challenges in Patient Management</b> <i>Alfonso Fasano, MD, Patricia Limousin, MD, and Jens Volkmann, MD</i>
9:00 AM	<b>Questions and Answers</b>
9:05 AM	<b>Controversies Panel: DBS x Ablation: How and When I Choose Deep Brain Stimulation?</b> <i>Michael Staudt, MD, MSc</i>
9:20 AM	<b>Questions and Answers</b>
9:25 AM	<b>Controversies Panel: DBS x Ablation: How and When I Choose Radiofrequency or High Focused Ultrasound?</b> <i>Harith Akram, MBChB, PhD</i>
9:45 AM	<b>Questions and Answers</b>
9:50 AM	<b>Refreshment Break, Exhibits, and E-Posters (Kinne Auditorium Section II)</b>
10:10 AM	<b>Cell Therapy for Movement Disorders and Epilepsy: Current Status and Future Perspectives</b> <i>Steven Ojemann, MD</i>
10:30 AM	<b>Questions and Answers</b>
10:35 AM	<b>Electrocorticography</b> <i>Brin Freund M.D.</i>
10:55 AM	<b>Questions and Answers</b>
11:00 AM	<b>Advanced Imaging and Surgery for Epilepsy (Centromedian/Parafascicular and Anterior Nucleus of the Thalamus in Focus)</b> <i>Jamie Van Gompel, MD</i>
11:20 AM	<b>Questions and Answers</b>
11:25 AM	<b>Polineuromodulation for Epilepsy</b> <i>William Tatum D.O.</i>

11:45 AM	<b>Questions and Answers</b>
11:50 AM	<b>Challenging Cases in Epilepsy</b> <i>Richard Byrne, MD</i>
12:10 PM	<b>Questions and Answers</b>
12:15 PM	<b>Lunch Break, Exhibits, and E-Posters (Kinne Auditorium Section II)</b>
12:35 PM	<b>Lunch and Discussion</b> <b>Advances in Anti-Seizure Medication</b> <i>Joseph I. Sirven, M.D.</i>
1:05 PM	<b>Questions and Answers</b>
1:10 PM	<b>Transition to Workshops at the Simulation Center/ Sim. Center Exhibits (Walk to the Vincent Stabile Building - 8th Floor)</b>
<b>Neurology &amp; Neurosurgery Workshops (Learning Center A/B &amp; Procedural Skills Lab in Simulation Center)</b>	
1:35 PM	<b>Mapping of STN, GPi and Thalamus Using Microelectrode Recordings</b> <i>Sara Casagrande, MD and Jens Volkmann, MD</i>
2:05 PM	<b>Programming DBS Hands-On</b> <i>Sara Casagrande, MD, Alfonso Fasano, MD, Patricia Limousin, MD, and Jens Volkmann, MD</i>
2:35 PM	<b>Refreshment Break and Sim. Center Exhibits (In front of the Learning Rooms A/B)</b>
2:50 PM	<b>CM/Pf and ANT DBS Targeting (Demonstration &amp; Hands-On)</b> <i>Jamie Van Gompel, MD and Jan Hachmann, MD</i>
3:50 PM	<b>SEEG and LITT Stereotactic Planning and Approach (Demonstration &amp; Hands-On)</b> <i>Steven Ojemann, MD, Jamie Van Gompel, MD, and Kai Miller, MD</i>
4:30 PM	<b>Adjourn</b>
	<b>Course Faculty and Learner Dinner</b> <a href="#">TPC Sawgrass</a> Sunset Meeting Room 110 Championship Way Ponte Vedra Beach, FL 32082
6:00 PM	<b>Cocktails on the Sunset Meeting Room Terrace</b>
6:30 PM	<b>Welcome (Non-CME) and Dinner Buffet</b>
7:00 PM	<b>Oral Abstract Flash Presentations (Non-CME) and Best Abstract Awards</b> <i>Eduardo Quaggio, M.D., Pablo Ramon Fruett Da Costa, M.D., Emanuele Pires Canela Dos Santos, M.D., and William Contreras Lopez, M.D.</i>
7:30 PM	<b>Tribute to Dr. Sanjeet Grewal's Research (Non-CME)</b> <i>Hari H. Subramanian, Ph.D.</i>

7:35 PM	<b>Periaqueductal Gray DBS: A Novel Frontier in Neuromodulation (Non-CME)</b> <i>Hari H. Subramanian, Ph.D.</i>
8:00 PM	<b>Sanjeet Grewal Keynote Lecture: Past, Present, and Future in Psychiatric Neurosurgery (Non-CME)</b> <i>Patric Blomstedt, MD, PhD</i>
8:20 PM	<b>Questions and Answers (Non-CME)</b>
8:30 PM	<b>Adjourn</b>

Saturday, June 6, 2026 Deep Brain Stimulation & Pain Procedures	
8:00 AM ET	<b>Breakfast, Exhibits, and E-Posters (Kinne Auditorium Section II)</b>
<b>Didactic Sessions – Neurology/Neurosurgery (Kinne Auditorium)</b>	
8:25 AM	<b>Advanced Imaging and Neural Engineering Technologies</b> <i>Kendall Lee, MD, PhD and Kristen Scheitler, MD</i>
8:45 AM	<b>Questions and Answers</b>
8:50 AM	<b>Brain-Machine Interfaces: The Next Frontier in Functional Neuroscience</b> <i>Harith Akram, MBChB, PhD</i>
9:10 AM	<b>Questions and Answers</b>
9:15 AM	<b>Radiosurgery in the Era of Personalized Medicine</b> <i>Christopher McLeod, M.B., Ch.B, PhD</i>
9:35 AM	<b>Questions and Answers</b>
9:40 AM	<b>Advances in Neuromodulation for Neuropathic Facial Pain</b> <i>Konstantin Slavin, MD, PhD</i>
10:00 AM	<b>Questions and Answers</b>
10:05 AM	<b>VTA DBS for Trigeminal Autonomic Cephalgia – When We Should Consider It</b> <i>Harith Akram, MBChB, PhD</i>
10:25 AM	<b>Questions and Answers</b>
10:30 AM	<b>Refreshment Break, Exhibits, and E-Posters (Kinne Auditorium Section II)</b>
10:50 AM	<b>The Art and Precision of Botulinum Toxin in Neurology</b> <i>Sara Casagrande, MD</i>
11:10 AM	<b>Questions and Answers</b>

11:15 AM	<b>Case Discussion - Decision-Making in Facial Pain</b> <i>Bill Cheshire, MD</i>
11:35 AM	<b>Questions and Answers</b>
11:40 AM	<b>Lunch Break, Exhibits, and E-Posters (Kinne Auditorium Section II)</b>
12:00 PM	<b>Lunch and Learn</b> <b>Occipital Nerve Stimulation: Technical Pearls and Surgical Nuances</b> <i>Konstantin Slavin, MD, PhD</i>
12:20 PM	<b>Questions and Answers</b>
12:25 PM	<b>Group Picture and Awards</b>
12:35 PM	<b>Transition to Workshops at the Simulation Center/ Sim. Center Exhibits (Walk to the Vincent Stabile Building - 8th Floor)</b>
<b>Neurosurgery &amp; Neurology Workshops (Procedural Skills Lab in Simulation Center)</b>	
1:00 PM	<b>VTA DBS for Trigeminal Autonomic Cephalalgia</b> <i>Harith Akram, MBChB, PhD, Vanessa Milanese, MD, PhD, and Kendall Lee, MD</i>
2:00 PM	<b>Peripheral Stimulation for Occipital Neuralgia (Demonstration and Hands-On)</b> <i>Konstantin Slavin, MD, PhD</i>
3:00 PM	<b>Refreshment Break and Sim. Center Exhibits (In front of the Learning Rooms A/B)</b>
3:15 PM	<b>Advanced Techniques for Botulinum Toxin in Neurology Workshop</b> <i>Sara Casagrande, MD and Lukasz M. Milanowski, MD, Ph.D.</i>
4:15 PM	<b>Closing Remarks and Conference Certificates (Learning Rooms A/B)</b>
4:30 PM	<b>Adjourn</b>