

Mayo Clinic: Rhoton-de Oliveira Stereotactic Functional Neuroanatomy Applied to Movement Disorders, Epilepsy, and Pain
March 15-17, 2023
Mayo Clinic Florida – Simulation Center

WIFI username:

WIFI password:

Wednesday March 15, 2023	
Deep Brain Stimulation	
7:00 AM ET	Breakfast
Morning Didactic (Livestream Begins)	
7:30 AM ET	Welcome and Introduction <i>Alfredo Quiñones-Hinojosa, MD, Joao Paulo Almeida, MD, PhD, Sanjeet Grewal, MD, and Vanessa Milanese, MD, PhD</i>
8:00 AM	Surgery for Parkinson’s Disease and Dystonia – Patient & Target Selection <i>Sara Casagrande, MD</i>
8:20 AM	Microsurgical Anatomy of the Subthalamic Nucleus (STN) <i>Vanessa Milanese, MD, PhD</i>
8:40 AM	Advanced Imaging for STN Targeting <i>Erik Middlebrooks, MD</i>
9:00 AM	STN Programming <i>Philip Tipton, MD and Mariana Moscovich, MD</i>
9:20AM	Break (Livestream Attendees) Transition to Workshop (Live Attendees)
Morning Workshop (Live Only)	
9:25 AM	Frame Fixation, STN Targeting (Hands-On Laboratory – Procedural Skills Lab) <i>Vanessa Milanese, MD, PhD & all faculty</i>
10:25 AM	Stereotactic Approach to the STN (Hands-On Laboratory – Procedural Skills Lab) <i>Vanessa Milanese, MD, PhD & all faculty</i>
11:45 PM	Break – Transition to Lunch
Afternoon Didactic (Livestream Returns)	
12:05 PM ET	Lunch Lecture: Intraoperative Patient Evaluation for Tremor <i>Ryan Utti, MD</i>
1:05 PM	Intraoperative Patient Evaluation for the STN <i>Jessie Navarro, MD</i>
1:25 PM	Intraoperative Patient Evaluation for the GPi <i>Bryan Klassen, MD</i>
1:45 PM	Microsurgical Anatomy and advanced imaging for the Globus Pallidus Internus (GPi) <i>Sanjeet Grewal, MD</i>
2:05 PM	GPi Programming Directional, Omnidirectional and BrainSense <i>Sara Casagrande, MD & Philip Tipton, MD</i>
2:25 PM	Adjourn (Livestream Attendees) Break (Live Attendees)
Afternoon Workshop (Live Only)	
2:40 PM	GPi Targeting and VR (Hands-On Laboratory – Procedural Skills Lab) <i>Sanjeet Grewal, MD & all Faculty</i>
3:40 PM	Stereotactic Approach to GPi (Hands-On Laboratory – Procedural Skills Lab) <i>Sanjeet Grewal, MD & all Faculty</i>
5:00 PM	Adjourn – Live Attendees

To ask questions join at:
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Thursday March 16, 2023	
Deep Brain Stimulation	
7:00 AM ET	Breakfast
Morning Didactic (Livestream Begins)	
7:30 AM ET	Surgery for Essential Tremor – Patient Selection/Unilateral x Bilateral Approach <i>Ryan Uitti, MD</i>
7:50 AM	Microsurgical Anatomy of the Ventral Intermediate Nucleus (VIM), Zona Incerta, Ventral Caudalis (VC) and Ventral Oralis (VO) of the Thalamus <i>Vanessa Milanese, MD, PhD</i>
8:10 AM	Advanced Imaging for VIM Targeting <i>Erik Middlebrooks, MD</i>
8:30 AM	VIM Programming Directional, Omnidirectional and BrainSense <i>Renato Munhoz, MD and Sara Casagrande, MD</i>
8:50 AM	Break (Livestream Attendees) Transition to Workshop (Live Attendees)
Morning Workshop (Live Only)	
8:55 AM	VIM Targeting and VR (Hands-On Laboratory – Procedural Skills Lab) <i>Andres Lozano, MD, PhD & all faculty</i>
9:55 AM	Stereotactic Approach VIM (Hands-On Laboratory – Procedural Skills Lab) <i>Andres Lozano, MD, PhD & all faculty</i>
11:15 AM	Break – Transition to Lunch
Afternoon Didactic (Livestream Returns)	
11:35 PM ET	Lunch Lecture: Case Discussion - Decision-Making DBS <i>Andres Lozano, MD, PhD</i>
12:25 PM	35 Years of Functional Neurosurgery <i>Robert Wharen Jr., MD</i>
12:55 PM	Microsurgical Anatomy of the Centromedian/Parafascicular Nucleus <i>Jamie Van Gompel, MD</i>
1:15 PM	Advanced Imaging and Neural Engineering Technologies <i>Kendall Lee, MD, PhD</i>
1:35 PM	CM/Pf programming & Patient Management (OR Simulation Room) <i>William Tatum, DO; Sara Casagrande, MD & all faculty</i>
1:55 PM	How to Build a Movement Disorder Practice <i>Renato Munhoz, MD</i>
2:35 PM	Adjourn (Livestream Attendees) Break (Live Attendees)
Afternoon Workshop (Live Only)	
2:50 PM	CM/Pf Targeting (Hands-On Laboratory – Procedural Skills Lab) <i>Jamie Van Gompel, MD & all faculty</i>
3:50 PM	Stereotactic Approach to CM/Pf (Hands-On Laboratory – Procedural Skills Lab) <i>Jamie Van Gompel, MD & all faculty</i>
4:50 PM	Adjourn
6:00 PM	Dinner and Keynote Lecture (Non-CME) <i>Andres Lozano, MD, PhD</i>

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Friday March 17, 2023	
Epilepsy and Pain Procedures	
7:00 AM ET	Breakfast
Morning Didactic (Livestream Begins)	
7:30 AM ET	Hypothalamic DBS for cluster headaches – when we should consider it? <i>JP Parker, MD</i>
7:50 AM	Troubleshooting in Deep Brain Stimulation Programming – Challenges in Patient Management <i>Renato Munhoz, MD and Mariana Moscovich, MD</i>
8:10 AM	LITT Amigdalohipocampectomy Stereotactic Planning and Approach <i>Kai Miller, MD</i>
8:30 AM	Mapping of STN and GPi Using Microelectrode Recording <i>Bryan Klassen, MD and Jessie Navarro, MD</i>
8:50 AM	Mapping of VO, VIM, and VC Thalamus Using Microelectrode Recording and Tractography <i>Bryan Klassen, MD</i>
9:10 AM	Break (Livestream Attendees) Transition to Workshop (Live Attendees)
Morning Workshop (Live Only)	
9:15 AM	Hypothalamic DBS for cluster headaches (Demonstration & Hands-On Laboratory) <i>JP Parker, MD and all faculty</i>
10:45 AM	Amigdalohipocampectomy – LITT Stereotactic Procedure (Demonstration & Hands-On Laboratory) <i>Kai Miller, MD and all faculty</i>
12:15 PM	Break – Transition to Lunch
Afternoon Didactic (Livestream Resumes)	
12:30 PM	Lunch Lecture: Microsurgical Anatomy and Techniques in Epilepsy Surgeries <i>Wen Tzu, MD, PhD</i>
1:00 PM	Lunch Lecture: Surgical Anatomy and technical Nuances in Microvascular Surgery for Trigeminal Neuralgia <i>Joao Paulo Almeida, MD, PhD</i>
1:30 PM	Adjourn (Livestream Attendees) Transition to Workshop (Live Attendees)
Afternoon Workshop (Live Only)	
1:35 PM	Microsurgical Techniques in Epilepsy Surgeries (Demonstration & Hands-On Laboratory) <i>Wen Tzu, MD, PhD and all faculty</i>
2:40 PM	Break
2:55 PM	Microvascular Decompression for trigeminal and glossopharyngeal neuralgia (Demonstration & Hands-On Laboratory) <i>Joao Paulo Almeida, MD, PhD and all faculty</i>
4:15 PM	Adjourn

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