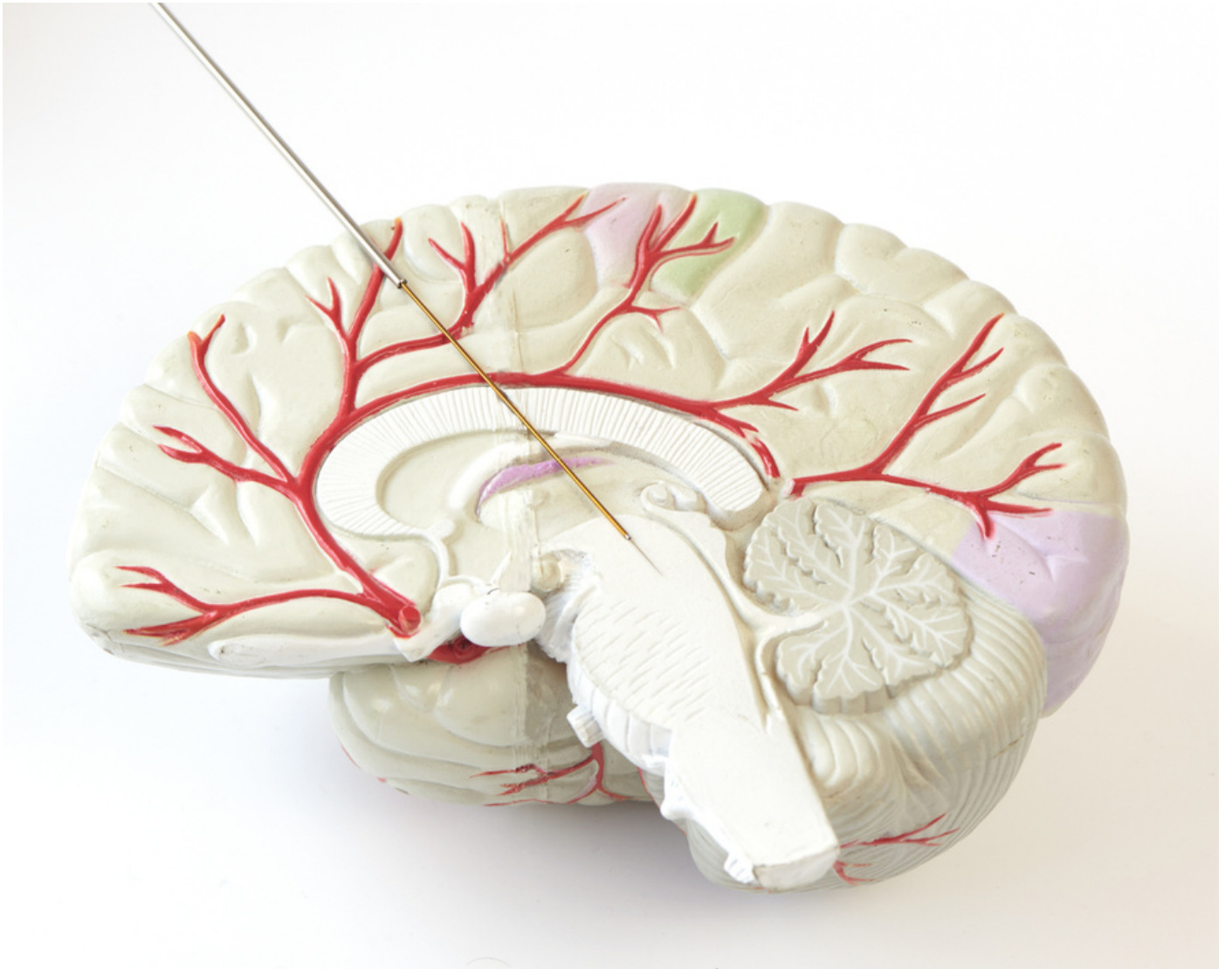




Course Program

5th Neuromodulation School for Movement Disorders



International Parkinson and
Movement Disorder Society
Pan American Section

New York, NY, USA | August 13-14, 2026

About MDS



International Parkinson and
Movement Disorder Society

International Parkinson and Movement Disorder Society

International Secretariat

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Milwaukee, WI 53202 USA

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Tel: +1 (414) 276-2145

The International Parkinson and Movement Disorder Society (MDS) is an international professional society of clinicians, scientists, and other healthcare professionals who are interested in Parkinson's disease, related neurodegenerative and neurodevelopmental disorders, hyperkinetic Movement Disorders, and abnormalities in muscle tone and motor control.

Support Acknowledgement

The MDS-PAS 5th Neuromodulation School for Movement Disorders has received unrestricted medical education grants from the following:

Boston Scientific

The MDS-PAS 5th Neuromodulation School for Movement Disorders wishes to acknowledge the following commercial supporters and exhibitors:

Insightec

Medtronic

RebrAln

The MDS-PAS 5th Neuromodulation School for Movement Disorders has received in-kind support from the following:

Boston Scientific

Abbott Laboratories

Medtronic

Insightec

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Course Venue

Martinique New York on Broadway
49 West 32nd Street
New York, NY 10001
United States

Registration: Grand Foyer
Meeting Room: Ballroom AB

Course Materials

To access the faculty lectures, please visit the website below.
Presentations are available for 60 days after the course.



<https://education.movementdisorders.org/Detail/1096/MDS-PAS-5th-Neuromodulation-School-for-Movement-Disorders->



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5th Neuromodulation School for Movement Disorders

Course Description

The *MDS-PAS 5th Neuromodulation School for Movement Disorders* is an intensive two-day course providing comprehensive, practice-oriented education in neuromodulation for movement disorders, with a primary focus on deep brain stimulation (DBS) for Parkinson's disease, essential tremor, and dystonia. Through a combination of expert lectures, video-based case workshops, hands-on device demonstrations, and interactive troubleshooting sessions, participants will gain a thorough grounding in the full clinical arc of neuromodulation therapy, from patient selection and surgical planning through programming, postoperative management, and long-term follow-up. Designed to bridge the gap between foundational knowledge and real-world clinical application, the course offers structured exposure to all major DBS platforms as well as MRI-guided focused ultrasound (MRgFUS), equipping participants to make informed, individualized treatment decisions and manage complex cases with confidence.

Learning Objectives

After participating in this activity, the learner will be able to:

- Evaluate and select appropriate candidates for DBS and MRgFUS across movement disorder diagnoses, including Parkinson's disease, essential tremor, and dystonia, using a multidisciplinary framework.
- Describe the principles of DBS surgical planning, target selection, and intraoperative neurophysiological recording and testing.
- Apply foundational and advanced DBS programming strategies, including neurophysiology-guided and imaging-guided approaches, to optimize therapeutic outcomes across patient populations.
- Develop individualized postoperative management plans, including medication adjustments, long-term follow-up, and recognition and management of surgical and hardware complications.
- Implement structured troubleshooting algorithms to address suboptimal DBS outcomes across major indications and device platforms.

Overall Goal Statement

Despite the growing adoption of DBS and neuromodulation therapies for movement disorders, many clinicians lack structured training in the practical skills these treatments demand, including candidate selection, device programming, cross-platform management, and troubleshooting suboptimal outcomes. The goal of this program is to bridge that gap, equipping participants with the practical, hands-on skills needed to confidently select candidates, plan and program DBS therapy, and manage patients across the full clinical arc of neuromodulation care.

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME). The International Parkinson and Movement Disorder Society is accredited by the ACCME to provide continuing medical education for physicians.



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Credit Designation Statement

The International Parkinson and Movement Disorder Society designates this education activity for a maximum of 16 AMA PRA Category 1 Credits™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Recordings Prohibited

Audio and videotaping are not allowed during the course. Photography of the presentations and slides is not allowed during the activity. This includes mobile phone photography.

Course Evaluation & Certificate

Course evaluations and certificate of attendance are available online. To access:

1. Visit <https://education.movementdisorders.org>
2. Click "GET CERTIFICATE" in the upper right corner.
3. Once prompted enter the certificate code **1096859**. You will be prompted to fill out your course evaluation and upon completion, you will be able to download your certificates of attendance and CME.

Content Validity Statement

All recommendations involving clinical medicine in MDS activities are based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the case of patients. All scientific research referred to, reported or used in CME in support or justification of a patient care recommendations conforms to the generally accepted standards of experimental design, data collection and analysis. Activities that promote recommendations, treatment or manners of practicing medicine not within the definition of CME or are knowing to have risks or dangers that outweigh the benefits or are knowing to be ineffective in the treatment of patients do not constitute valid CME.

Satisfactory Completion

Participants must complete an evaluation for each session they attend to receive continuing medical education credit. Your chosen session(s) must be attended in their entirety. Partial credit for individual sessions is not available.



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5th Neuromodulation School for Movement Disorders

Disclosure of Financial Relationships

All individuals in control of content for this activity are required to disclose all financial relationships with ineligible companies (as defined by the ACCME) over the last 24 months. Disclosure information is available below. All relevant financial relationships have been mitigated in advance of this program.

First Name	Last Name	Role in Activity	Disclosure(s)
Joohi	Jimenez-Shahed	Speaker, Planner	Consultant/Advisor: Medtronic, BlueRock, TreeFrog, Teva, Emalex, Abbvie, RebrAln, Amneal Grant / Independent Contractor: ONO, Amneal, Neuron23, BlueRock
Camila	Aquino	Speaker, Planner	Consultant/Advisor: Synucure Grant / Independent Contractor: Biogen
Daniel	Cleary	Speaker	Consultant/Advisor: Biotronik, Insightec
Rubens	Cury	Speaker	Nothing to Disclose
Amir	Faraji	Speaker	Consultant/Advisor: Abbott, Medtronic, Boston Scientific, Alpha Omega, Zimmer Biomet, Aspen Neurosciences
Todd	Herrington	Speaker	Consultant/Advisor: Medtronic, Inc., BlueRock Therapeutics, Iota Biosciences/Epia Neuro, Franklin Causality Insurance Company Speaker: Medtronic, Inc. Grant / Independent Contractor: Medtronic, Inc., AskBio Individual Stocks or Stop Options: MarvelBiome
Suneil	Kalia	Speaker	Consultant/Advisor: Abbott, Boston Scientific, BlueRock, Medtronic, Inc. Speaker: Medtronic, Inc.
Neepa	Patel	Speaker	Consultant/Advisor: Abbott Laboratories
Michael	Pourfar	Speaker	Consultant/Advisor: Boston Scientific and Abbott Speaker: Abbott
Harini	Sarva	Speaker	Consultant/Advisor: Neuroderm, Novo Nordisk Speaker: Insightec Grant / Independent Contractor: Clinical trial support from Novo Nordisk, Neuroderm, SUN Pharma, Biogen, Bial, Biohaven, Cerevance, iREGENE, MeiraGTX, Blue Rock, Prevail, Bukwang, UCB, Insightec, Genentech
Britt	Stone	Speaker	Consultant/Advisor: Boston Scientific, Amneal, Medtronic
Ashwin	Viswanathan	Speaker	Nothing to Disclose
Ali	Aburair	Reviewer	Nothing to Disclose
Ajith	Cherian	Reviewer	Nothing to Disclose
Mehmood	Rashid	Reviewer	Nothing to Disclose



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5th Neuromodulation School for Movement Disorders

COURSE DIRECTORS



Camila Aquino, MD, MSc, PhD
University of Calgary
Calgary, AB, Canada



Joohi Jimenez-Shahed, MD
Icahn School of Medicine at
Mount Sinai
New York, NY, USA

COURSE FACULTY



Dan Cleary, MD, PhD
Oregon Health & Science University
Portland, OR, USA



Rubens Cury, MD, PhD
University of Sao Paulo
Sao Paulo, Brazil



**Amir Faraji, MD, PhD, FAANS,
FCNS, FACS**
Houston Methodist Department of
Neurosurgery
Houston, TX, USA



Todd Herrington, MD
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Suneil Kalia, MD, PhD
Toronto Western Hospital
Toronto, ON, Canada



Neepa Patel, MD
Rush University Medical Center
Chicago, IL, USA



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COURSE FACULTY (Continued)



Michael Pourfar, MD
New York University
New York, NY, USA



Harini Sarva, MD
Weill Cornell Medical Center
New York, NY, USA



Britt Stone, MD
Vanderbilt University Medical
Center
Nashville, TN, USA



Ashwin Viswanathan, MD
Baylor College of Medicine
Houston, TX, USA

Movement Disorders Fundamentals

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movementdisorders.org/fundamentals

*While the transcript accompanying the video has been validated in English, when utilizing an automatic translation service, an algorithm translates the text, which may not fully capture the medical terminologies' original language's context, idiomatic expressions, or subtleties. As a result, some translations may be imprecise.



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Thursday, August 13, 2026

8:00 – 8:45	Attendee Check-in and Registration
8:45 – 9:00	Course Welcome and Introductions <i>Joohi Jimenez-Shahed and Camila Aquino</i>
9:00 – 9:45	Principles and Applications of Neuromodulation <i>Todd Herrington</i>
9:45 – 10:30	Deep Brain Stimulation in Parkinson's Disease: Overview <i>Harini Sarva</i>
10:30 – 10:45	Coffee Break with Exhibitors
10:45 – 11:30	Overview of DBS for Dystonia and Tremor <i>Neepa Patel</i>
11:30 – 12:15	Individualized Care in DBS: A Multidisciplinary Approach <i>Camila Aquino</i>

CORPORATE THERAPEUTIC SYMPOSIUM & LUNCH

This company based informational session provides attendees with a **non-CME** educational opportunity to learn the latest in therapeutics.

12:15 – 13:00	Presented by RebrAln
---------------	-----------------------------

13:00 – 13:15	Networking Break			
Surgery Session				
13:15 – 14:00	DBS Planning and Target Selection <i>Ashwin Viswanathan</i>			
14:00 – 14:45	Basics on Intraoperative Testing and Recording <i>Suneil Kalia</i>			
14:45 – 15:30	MRI Guided Focused Ultrasound in Movement Disorders <i>Dan Cleary</i>			
15:30 – 15:45	Coffee Break with Exhibitors			
Workshop 1: Video based workshop – Patient Selection				
25 minutes per workshop with 5-minute rotation				
	PD: Straightforward DBS Candidate <i>Harini Sarva</i> <i>Dan Cleary</i>	PD: Complex Considerations in Patient Selection <i>Neepa Patel</i> <i>Amir Faraji</i>	Essential Tremor <i>Camila Aquino</i> <i>Suneil Kalia</i>	Dystonia <i>Rubens Cury</i> <i>A. Viswanathan</i>
Location	Ballroom AB	Greeley Square	Herald Square A	Herald Square B
15:45 – 16:10	Red Group	Green Group	Yellow Group	Blue Group
16:15 – 16:40	Blue Group	Red Group	Green Group	Yellow Group
16:45 – 17:10	Yellow Group	Blue Group	Red Group	Green Group
17:15 – 17:40	Green Group	Yellow Group	Blue Group	Red Group
17:45 – 18:15	Panel: Choosing Between Therapies			



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	<i>Faculty: Todd Herrington, Harini Sarva, Neepta Patel, Camila Aquino, Ashwin Viswanathan, Suneil Kalia, Dan Cleary</i> <i>Moderator: Joohi Jimenez-Shahed</i>
18:15 – 19:00	Case Presentations – Best Case Presentation Award Selected participants will bring their own video case studies for presentation and discussion. This is a non-CME educational opportunity
19:00 – 20:00	Cocktails & Networking

Friday, August 14, 2026

7:30 – 8:00	Attendee Check-in and Welcome Coffee with Exhibitors			
8:00 – 8:15	Course Welcome and Introductions Joohi Jimenez-Shahed and Camila Aquino			
8:15 – 8:45	Fundamentals of DBS programming: Initial Programming and Optimization Joohi Jimenez-Shahed			
8:45 – 9:15	Neurophysiology Guided Programming Todd Herrington			
9:15 – 9:45	Essentials on Imaging-Guided Programming Britt Stone			
Workshop 2: Anatomy and Physiology Relevant to DBS Practice (Cases)				
25 minutes per workshop with a 5-minute rotation				
	Room 1: Target Visualization in DBS: Anatomy, Subregions, and Connectivity Rubens Cury		Room 2: Target Physiology in DBS: Definition and Mapping Using SUA and LFP Amir Faraji	
Location	Ballroom AB		Herald Square B	
9:45 – 10:10	Red Group	Green Group	Yellow Group	Blue Group
10:15 – 10:45	Yellow Group	Blue Group	Red Group	Green Group
10:45 – 11:00	Panel Question & Answer Faculty: Joohi Jimenez-Shahed, Todd Herrington, Britt Stone, Rubens Cury, Amir Faraji Moderator: Camila Aquino			

CORPORATE THERAPEUTIC SYMPOSIUM & LUNCH

This company based informational session provides attendees with a **non-CME** educational opportunity to learn the latest in therapeutics.

11:00 – 11:45	Presented by Medtronic
11:45 – 12:00	Networking Break
Post-operative Management Session	
12:00 – 12:30	Postoperative Follow-up: PD Medication Management and Longitudinal Care <i>Michael Pourfar</i>



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12:30 – 13:00	Postoperative Follow-up: Tremor and Dystonia Management and Long-term Considerations <i>Rubens Cury</i>			
13:00 – 13:30	DBS Complications: Surgical, Hardware Complications and IPG replacement <i>Suneil Kalia</i>			
Workshop 3				
Getting to know the Devices – Presented by Faculty				
<i>*25 minutes per workshop with 5-minute rotation*</i>				
	Session A <i>Joohi Jimenez-Shahed Todd Herrington</i>	Session B <i>Michael Pourfar Britt Stone</i>	Session C <i>Neepa Patel Harini Sarva</i>	Session D <i>Amir Faraji Dan Cleary</i>
Location	Ballroom AB	Greeley Square	Herald Square A	Herald Square B
13:30 – 13:55	Red Group	Green Group	Yellow Group	Blue Group
14:00 – 14:25	Blue Group	Red Group	Green Group	Yellow Group
14:30 – 14:55	Yellow Group	Blue Group	Red Group	Green Group
15:00 – 15:25	Green Group	Yellow Group	Blue Group	Red Group
15:30 - 15:45	Coffee Break with Exhibitors			
Workshop 4: Troubleshooting Algorithms and Individualized Troubleshooting Strategies				
<i>*25 minutes per workshop with 5-minute rotation*</i>				
	PD I STN <i>Camila Aquino Amir Faraji</i>	PD II GPi <i>Britt Stone Ashwin Viswanathan</i>	Tremor VIM <i>J. Jimenez-Shahed Suneil Kalia</i>	Dystonia GPi <i>Rubens Cury Dan Cleary</i>
Location	Ballroom AB	Greeley Square	Herald Square A	Herald Square B
15:45 – 16:10	Red Group	Green Group	Yellow Group	Blue Group
16:15 – 16:40	Blue Group	Red Group	Green Group	Yellow Group
16:45 – 17:10	Yellow Group	Blue Group	Red Group	Green Group
17:15 – 17:40	Green Group	Yellow Group	Blue Group	Red Group
17:45 – 18:00	Closing Remarks & Course Evaluation <i>Joohi Jimenez-Shahed and Camila Aquino</i>			



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Notes

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5th Neuromodulation School for Movement Disorders

Notes

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The paper itself is a clean, off-white color.



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Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

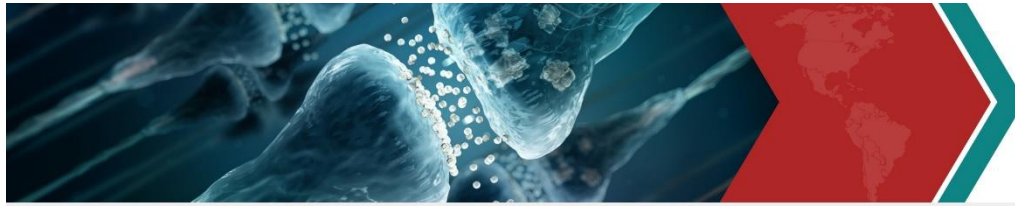


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Notes

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Upcoming Education



International Parkinson and
Movement Disorder Society
Pan American Section

Live Online | September 11-12, 2026

Clinical Neurophysiology in Movement Disorders: A Foundational Guide, Its Value and Role



International Parkinson and
Movement Disorder Society
Pan American Section

Miami, FL, USA | November 7-8, 2026

From Guidelines to Action: Movement Disorders Care Through Regional & Multidisciplinary Collaboration



International Parkinson and
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Pan American Section

Santiago, Chile | December 9-12, 2026

MDS-PAS Comprehensive Movement Disorders: From Translational Science to Clinical Practice

Presented in Spanish



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Movement Disorder Society

International Congress of Parkinson's Disease and Movement Disorders®

Seoul, Korea
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