

School for Clinical Neurophysiology

Groningen, Netherlands
March 30 - April 1, 2023



International Parkinson and
Movement Disorder Society
European Section



Course Program

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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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.

COURSE SUPPORT ACKNOWLEDGEMENT

The following companies have provided unrestricted medical education grants for the MDS-ES School for Clinical Neurophysiology

Merz Netherlands

MDS YOUNG MEMBERS GROUP

The mission of the MDS Young Members Group is to support and expand the network of outstanding young neurologists, basic scientists and other allied health care providers who have an interest in the field of Movement Disorders. The focus will be on advancing collaborations amongst young members and focus on educational activities and training. All members of the MDS who are under age 40 may join the MDS Young Members Group.

Visit the MDS Young Members Group webpage for additional information on group activities and objectives:

www.movementdisorders.org/MDS/About/Young-Members-Committee.htm

HOW TO JOIN: Log into your **MDS Members Only** account and select **My Profile**. The Young Members option is located on the **Professional** tab under **Special Interest Groups**.



MDS-ES School for Clinical Neurophysiology

TABLE OF CONTENTS

Course Overview	2
Faculty Listing	3
Course Agenda – Day 1	5
Course Agenda – Day 2	6
Course Agenda – Day 3	7
Event Locations & Directions	7
Notes	8

COURSE VENUE

University Medical Center Groningen

Hanzeplein 1
9713 GZ
Groningen, Netherlands

Registration: Blauwe Patio

Meeting Room: Lokaal 16

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/653/MDS-ES-School-for-Clinical-Neurophysiology>



MDS-ES School for Clinical Neurophysiology

COURSE DESCRIPTION

Clinical neurophysiology is a fundamental tool to complement clinical examination of people with common and rare hyperkinetic movement disorders, which often helps to categorize the involuntary movements and reach an etiological diagnosis.

The MDS-ES School for Clinical Neurophysiology is an opportunity for young neurologists who are interested in specializing in Movement Disorders and movement disorder specialist early in their career to learn about the role of clinical neurophysiology in clinical practice from experts who routinely employ it to reach a diagnosis and optimize treatment. The course will include:

- Lectures on the basics of electrophysiological techniques and their application in people with jerky movements, tremor and dystonia.
- Live sessions with patients to demonstrate assessment and how to plan electrophysiological testing
- Hands-on sessions on neurophysiological techniques applied in patients with hyperkinetic movement disorders.
- Workshops on back-averaging, trend analysis and coherence analysis

Participants will have the opportunity to work in small groups and learn how to plan and interpret electrophysiological testing. They will have access to experts in clinical neurophysiology applied to Movement Disorders who will train them on how to employ these techniques in clinical practice to improve diagnosis and treatment.

LEARNING OBJECTIVES

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

1. Define the indications of clinical electrophysiological testing in isolated and combined movement disorders
2. Plan basic and advanced electrophysiological testing in patients with hyperkinetic movement disorders and interpret the results
3. Intervene with clinical neurophysiology to optimize treatment with botulinum toxin

TARGET AUDIENCE

This course is designed for This activity is intended for Movement Disorder Specialists, General Neurologists, Clinical Fellows, Movement Disorder Fellows and Neurology Residents.

OVERALL GOAL STATEMENT

The goal of this program is to provide practical information on the role of clinical neurophysiology in the treatment of Movement Disorders.

RECORDINGS PROHIBITED

Audio and videotaping are not allowed during the course. Photography is also not allowed during the activity.

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 **653516**. You will be prompted to fill out your course evaluation and upon completion, you will be able to download your certificate of attendance.

MDS-ES School for Clinical Neurophysiology

COURSE DIRECTOR



Marina de Koning-Tijssen, MD, PhD
University Medical Center Groningen
Groningen, Netherlands



Francesca Morgante, MD, PhD
St. George's University Hospital
London, United Kingdom



Martje Van Egmond, MD, PhD
University Medical Center
Groningen
Groningen, Netherlands

COURSE FACULTY



Mark Edwards, PhD
Kings College London
London, United Kingdom



Hans Koelman, MD
Academic Medical Center
Amsterdam, Netherlands

COURSE FACULTY CONT.



Tereza Serranová, MD, PhD
Charles University Prague
Prague, Czech Republic



Anke Snijders, MD, PhD
Radboud UMC
Nijmegen, Netherlands



Michele Tinazzi, MD, PhD
University of Verona
Verona, Italy



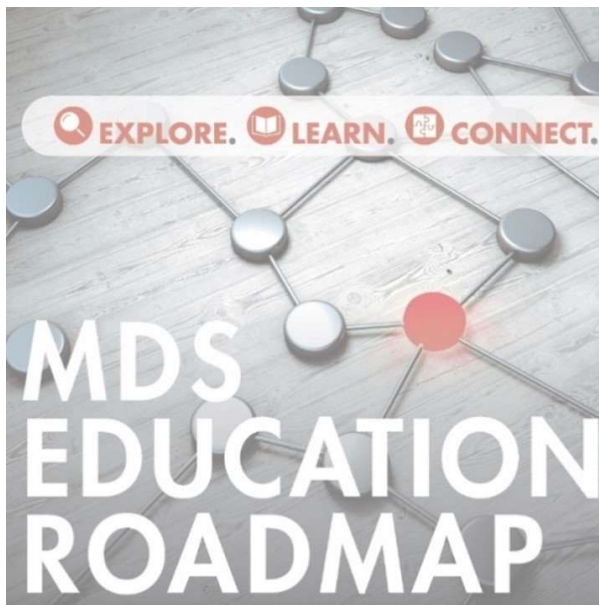
Madelein van der Stouwe, MD, PhD
University Medical Center
Groningen, Netherlands



Fleur van Rootselaar, MD, PhD
Amsterdam UMC – Academic
Amsterdam, Netherlands



Jan Willem Elting
University Medical Center
Groningen
Groningen, Netherlands



A personalized experience to MDS education

To learn more login to your My MDS account at
www.movementdisorders.org

#MDSRoadmap

Follow MDS on social media for the latest updates or share with your colleagues by using #MDSRoadmap.



DAY 1: THURSDAY, MARCH 30, 2023

Time	Title	Location
9:00 – 9:30	Course Check-In and Coffee	Blauwe Patio
Session 1: Overview of Clinical Neurophysiology in Movement Disorders <i>Chair: Francesca Morgante</i>		
9:30-9:35	Opening <i>Gea Drost, Head of the Clinical Neurophysiology Department</i>	Lokaal 16
9:35-9:45	Welcome from Course Directors <i>Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante</i>	
9:45-10:15	Neurophysiology: An Extension of Clinical Assessment to Categorize Movement Disorders <i>Tereza Serranová</i>	
10:15 – 10:45	Overview of Basic and Advanced Neurophysiological Techniques <i>Michele Tinazzi</i>	
10:45-11:00	Moderated Question and Answer	
11:00-11:30	COFFEE BREAK	Blauwe Patio
Session 2: Jerky Movements <i>Chair: Mark Edwards</i>		
11:30-12:15	Myoclonus: Patient Demonstration & Clinical Aspects <i>Marina de Koning-Tijssen</i>	Lokaal 16
12:15-12:45	Clinical Neurophysiology to Differentiate Jerky Movements <i>Jan Willem Elting</i>	
12:45-13:00	Moderated Question and Answer	
13:00 – 13:45	LUNCH BREAK	Blauwe Patio
Break out Session: Jerky Movements <i>Groups as assigned based on the color card within your badge</i>		
13:45	Group RED & GREEN go together to the Triade Gebouw Group YELLOW & BLUE go together to the outpatient clinic	
14:00 – 14:55	Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic FACULTY: Martje van Egmond, Anke Snijders, Francesca Morgante, <i>Madelein van der Stouwe</i> Group YELLOW & Group BLUE	Workshop Back Averaging Location: Triade Gebouw FACULTY: Jan Willem Elting, Michele Tinazzi, Fleur van Rootselaar, Jonathan van Zijl Group RED & Group GREEN
15:00 – 15:30	TEA BREAK	Blauwe Patio
15:30	Groups YELLOW & BLUE go together to the Triade gebouw Groups RED & GREEN go together to the outpatient clinic	
15:45 – 16:40	Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic FACULTY: Martje van Egmond, Anke Snijders, Francesca Morgante, <i>Madelein van der Stouwe</i> Group RED & Group GREEN	Workshop Back Averaging Location: Triade Gebouw FACULTY: Jan Willem Elting, Michele Tinazzi, Fleur van Rootselaar, Jonathan van Zijl Group YELLOW & Group BLUE
16:50 – 17:00	Closing Remarks <i>Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante</i>	Lokaal 16
17:15 – 18:45	Networking Reception	The Market Hotel (See Pg. 7 for details)

DAY 2: FRIDAY, MARCH 31, 2023

Time	Title	Location
9:00 – 9:30	Course Check-In and Coffee	Blauwe Patio
Session 1: Tremor <i>Chair: Tereza Serranová</i>		
9:30-10:00	Functional Tremor <i>Mark Edwards</i>	Lokaal 16
10:00-10:30	Tremor: Phenomenology and Assessment <i>Madelein van de Stouwe</i>	
10:30-11:00	Moderated Question and Answer	
11:00-11:30	COFFEE BREAK + GROUP PHOTO	Blauwe Patio
Session 2: Clinical Neurophysiology of Tremor <i>Chair: Michele Tinazzi</i>		
11:30-12:10	Clinical Neurophysiology of Common Tremor Syndromes <i>Anke Snijders</i>	Lokaal 16
12:10-12:45	Clinical Neurophysiology of Rare Tremor Syndromes <i>Fleur van Rootselaar</i>	
12:45-13:00	Moderated Question and Answer	
13:00 – 13:45	LUNCH BREAK	Blauwe Patio
Break out Session: Tremor <i>Groups as assigned based on the color card within your badge</i>		
13:45	Group RED & GREEN go together to the Triade Gebouw Group YELLOW & BLUE go together to the outpatient clinic	
14:00 – 14:55	Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic <i>FACULTY: Madelein van der Stouwe, Martje van Egmond, Anke Snijders, Francesca Morgante</i> <i>Group YELLOW & Group BLUE</i>	Workshop Coherence Analysis Location: Triade Gebouw <i>FACULTY: Jan Willem Elting, Michele Tinazzi, Fleur van Rootselaar, Jonathan van Zijl</i> <i>Group RED & Group GREEN</i>
15:00 – 15:30	TEA BREAK	Blauwe Patio
15:30	Groups YELLOW & BLUE go together to the Triade Gebouw Groups RED & GREEN go together to the outpatient clinic	
15:45 – 16:40	Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic <i>FACULTY: Madelein van der Stouwe, Martje van Egmond, Anke Snijders, Francesca Morgante</i> <i>Group RED & Group GREEN</i>	Workshop Coherence Analysis Location: Triade Gebouw <i>FACULTY: Jan Willem Elting, Michele Tinazzi, Fleur van Rootselaar, Jonathan van Zijl</i> <i>Group YELLOW & Group BLUE</i>
16:50 – 17:00	Closing Remarks <i>Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante</i>	Lokaal 16
19:00 – 21:30	Interactive Dinner - Clinical Neurophysiology Movement Disorder Pub Quiz <i>Hosted by Marina de Koning-Tijssen & Martje van Egmond</i>	Het Feithhuis (See Pg. 7 for details)

DAY 3: SATURDAY, APRIL 1, 2023

Time	Title	Location
8:30 – 9:00	Course Check-In and Coffee	Blauwe Patio
Session 1: Dystonia <i>Chair: Hans Koelman</i>		
9:00 – 9:30	Dystonia: Phenomenology and Assessment <i>Martje van Egmond</i>	Lokaal 16
9:30 – 10:00	Use of Clinical Neurophysiology to Diagnose and Treat Dystonia <i>Francesca Morgante</i>	
10:00 – 10:30	Moderated Question and Answer	
10:30 – 11:00	COFFEE BREAK	Blauwe Patio
Session 2: “How we Do it” / Clinical Applications of Neurophysiology <i>Chair: Marina de Koning-Tijssen</i>		
11:00 – 13:00	Patient Demonstration: Polymyography and Botulinum Toxin treatment of Cervical Dystonia <i>Hans Koelman, Jan Willem Elting & Martje van Egmond</i>	
13:00	Closing Remarks, Evaluation, Grab and Go Lunch	

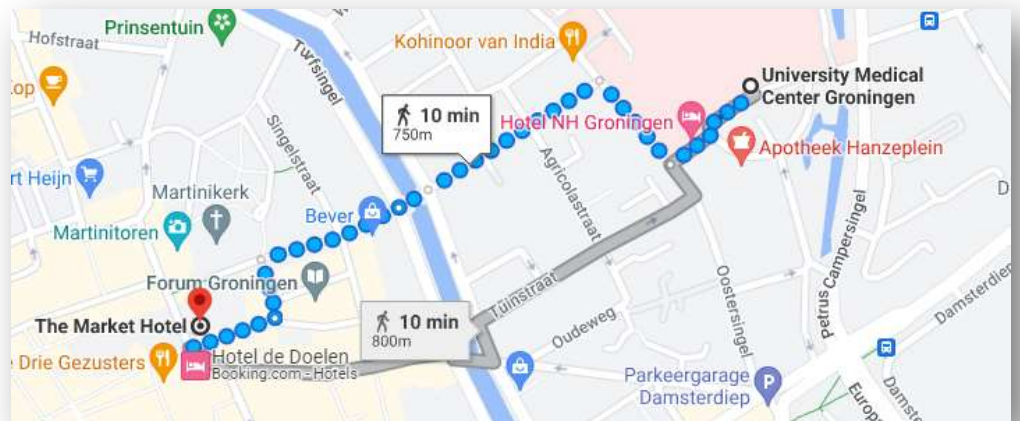
EVENT LOCATIONS & MAPS

Networking Reception

Thursday, March 30, 2023

The Market Hotel
Grote Markt 31
9712 HS Groningen, Netherlands

Beer & Bitterballen to be provided

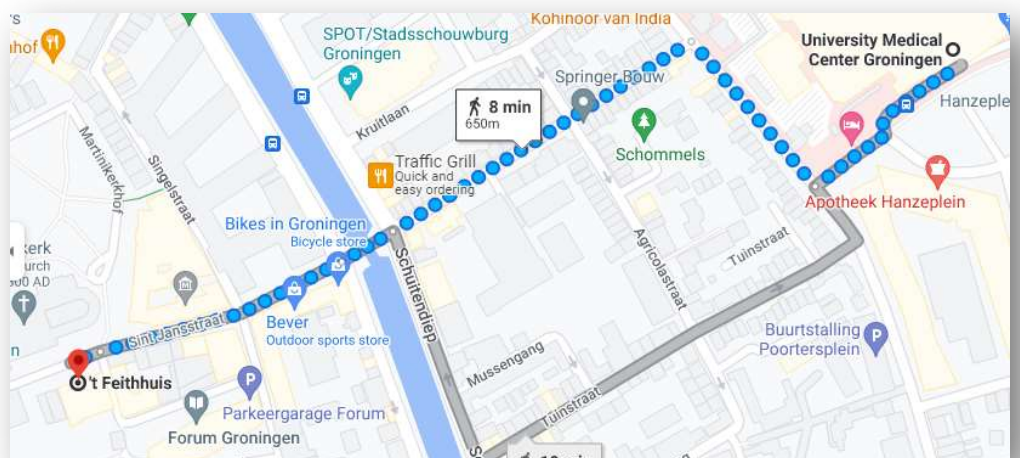


Interactive Dinner: Pub-Quiz

Friday, March 31, 2023

Het Feithhuis
Martinikerkhof 10
9712 JG Groningen, Netherlands

Dinner to be provided



MDS-ES School for Clinical Neurophysiology

NOTES

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MDS-ES School for Clinical Neurophysiology

NOTES

UPCOMING EDUCATION



Bordeaux, France
April 19-21, 2023



International Parkinson and
Movement Disorder Society
European Section

MDS-ES Controversies in Parkinson's Disease Research



Katowice, Poland
June 2-3, 2023



International Parkinson and
Movement Disorder Society
European Section

MDS-ES Tailored and Innovative Pump Therapies for Parkinson's Disease



Brno, Czech Republic
September 21-23, 2023



International Parkinson and
Movement Disorder Society
European Section

MDS-ES School for Young Neurologists



August 27-31, 2023
Copenhagen
DENMARK



International Parkinson and
Movement Disorder Society

REGISTRATION OPEN
International Congress of Parkinson's
Disease and Movement Disorders®