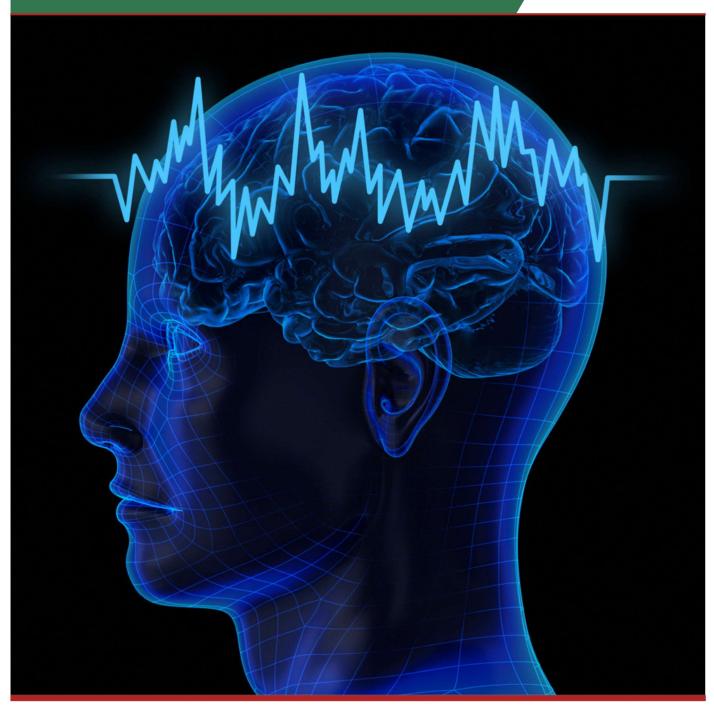
Groningen, Netherlands March 30 - April 1, 2023





# **Course Program**



# International Parkinson and Movement Disorder Society International Secretariat

555 East Wells Street, Suite 1100 Milwaukee, WI 53202 USA Email: <u>education@movementdisorders.org</u> 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.

#### 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/MD\$/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.





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#### **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



#### **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 <a href="https://education.movementdisorders.org">https://education.movementdisorders.org</a>
- 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.





### **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



**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.









9:30-9:35  Opening Geo Drost, Head of the Clinical Neurophysiology Department Welcome from Course Directors Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante  Neurophysiology: An Extension of Clinical Assessment to Categorize Movement Disorders Tereza Semanová  Overview of Bosic and Advanced Neurophysiological Techniques Michele Tinazzi  10:45-11:00  Moderated Question and Answer  11:30-11:30  COFFEE BREAK Session 2: Jerky Movements Chair: Mark Edwards  Myoclonus: Patient Demonstration & Clinical Aspects Marina de Koning-Tijssen  12:15-12:45  Clinical Neurophysiology to Differentiate Jerky Movements Jan Willem Eiting Moderated Question and Answer  13:00 – 13:45  UNICH BREAK Break out Session: Jerky Movements Groups as assigned based on the color card within your badge Group FED & GREEN go together to the Tinade Gebouw Group YELOW & BULE go together to the Department Clinic  Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic  FACULTY: Martje van Egmond, Anke Snijders, Francesca Morgante, Madelein van der Stouwe Groups YELOW & BULE go together to the Tinade gebouw Groups YELOW & BULE go together to the Tinade gebouw Groups YELOW & BULE go together to the Tinade gebouw Groups YELOW & BULE go together to the Tinade gebouw Groups YELOW & BULE go together to the Tinade gebouw Groups YELOW & BULE Go together to the Tinade gebouw Groups YELOW & BULE Go together to the Tinade gebouw Groups YELOW & BULE Go together to the Tinade gebouw Groups YELOW & BULE Go together to the Tinade gebouw Groups YELOW & BULE Go together to the Tinade gebouw Groups YELOW & Group BULE  15:45 – 16:40  FACULTY: Martje van Egmond, Anke Snijders, Francesca Morgante, Madelein van der Stouwe  Text Stoups RED & Green golether to the Outpatient Clinic  Hands-on Session with Patients (25 min rotations) Location: Tinade Gebouw  Groups YELOW & BULE Go together to the Tinade gebouw Groups RED & Green geboup Green  Text Stoups RED & Green Green  Text Stoups RED & Green Green  Text Stoups RED & Green Green  Text S	DAY 1: THURSDAY, MARCH 30, 2023					
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Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic  FACULTY: Martje van Egmond, Anke Snijders, Francesca Morgante, Madelein van der Stouwe  Group YELLOW & Group BLUE  TEA BREAK  Groups YELLOW & BLUE go together to the Triade gebouw  Groups RED & GREEN go together to the outpatient clinic  Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic  TEA BREAK  Blauwe Patio  Workshop Back Averaging Location: Triade Gebouw  Workshop Back Averaging Location: Triade Gebouw  FACULTY: Jan Willem Elting, Michele Tinazzi, Flaurica Gebouw  Groups RED & GREEN go together to the outpatient clinic  Hands-on Session with Patients (25 min rotations) Location: Triade Gebouw  FACULTY: Martje van Egmond, Anke Snijders, Francesca Morgante, Madelein van der Stouwe  Group RED & Group GREEN  Group YELLOW & Group BLUE  Testo - 17:00  Closing Remarks Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante  Lokaal 16	13:45	Group RED & GREEN go together to the Triade Ge	bouw			
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15:30 TEA BREAK  15:30 Groups YELLOW & BLUE go together to the Triade gebouw Groups RED & GREEN go together to the outpatient clinic  Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic  FACULTY: Martje van Egmond, Anke Snijders, Francesca Morgante, Madelein van der Stouwe  Group RED & Group GREEN  Closing Remarks Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante  Blauwe Patio  Blauwe Patio  Blauwe Patio  Blauwe Patio  Broup  FACULTY: Martje  FACULTY: Jan Willem Elting, Michele Tinazzi, Fl.  van Rootselaar, Jonathan van Zijl  Group YELLOW & Group BLUE  Lokaal 16	14:00 – 14:55		FACULTY:Jan Willem Elting, Michele Tinazzi, Fleur van Rootselaar, Jonathan van Zijl			
15:30 TEA BREAK  15:30 Groups YELLOW & BLUE go together to the Triade gebouw Groups RED & GREEN go together to the outpatient clinic  Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic  FACULTY: Martje van Egmond, Anke Snijders, Francesca Morgante, Madelein van der Stouwe  Group RED & Group GREEN  Closing Remarks Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante  Blauwe Patio  Blauwe Patio  Blauwe Patio  Blauwe Patio  Broup  FACULTY: Martje Van Egmond  FACULTY: Jan Willem Elting, Michele Tinazzi, Florate Van Rootselaar, Jonathan van Zijl  Group YELLOW & Group BLUE  Lokaal 16		Group YELLOW & Group BLUE	Group RED & Group GREEN			
Groups RED & GREEN go together to the outpatient clinic  Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic  FACULTY: Martje van Egmond, Anke Snijders, Francesca Morgante, Madelein van der Stouwe  Group RED & Group GREEN  Group YELLOW & Group BLUE  Closing Remarks Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante  Lokaal 16	15:00 – 15:30			Blauwe Patio		
Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic  15:45 – 16:40  FACULTY: Martje van Egmond, Anke Snijders, Francesca Morgante, Madelein van der Stouwe  Group RED & Group GREEN  Closing Remarks Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante  Workshop Back Averaging Location: Triade Gebouw  FACULTY: Jan Willem Elting, Michele Tinazzi, Fl. van Rootselaar, Jonathan van Zijl  Group YELLOW & Group BLUE  Lokaal 16	15:30		•			
Francesca Morgante, Madelein van der Stouwe van Rootselaar, Jonathan van Zijl  Group RED & Group GREEN Group YELLOW & Group BLUE  16:50 – 17:00 Closing Remarks  Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante  Lokaal 16		Hands-on Session with Patients (25 min rotations)	Workshop Back Averaging			
16:50 – 17:00 Closing Remarks Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante  Lokaal 16	15:45 – 16:40					
16:50 – 17:00 Closing Remarks Marina de Koning-Tijssen, Martje van Egmond, Francesca Morgante  Lokaal 16		Group RED & Group GREEN	Group YELLOW & Group BLUE			
	16:50 – 17:00	Closing Remarks		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			
Session1: Tremor Chair: Tereza Serranová						
9:30-10:00	Functional Tremor  Mark Edwards					
10:00-10:30	Tremor: Phenomenology and Assessment Madelein van de Stouwe		Lokaal 16			
10:30-11:00	Moderated Question and Answer					
11:00-11:30	COFFEE BREAK + GROUP PHOTO		Blauwe Patio			
	Session 2: Clinical Neurophysi Chair: Michele Tin					
11:30-12:10	Clinical Neurophysiology of Common Tremor Syn Anke Snijders	dromes				
12:10-12:45	Clinical Neurophysiology of Rare Tremor Syndrom Fleur van Rootselaar	nes	Lokaal 16			
12:45-13:00	Moderated Question and Answer					
13:00 – 13:45	LUNCH BREAK		Blauwe Patio			
	Break out Session: T Groups as assigned based on the colo					
13:45	Group RED & GREEN go together to the Triade Goroup YELLOW & BLUE go together to the outpat	ebouw				
	Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic	Workshop Coherence Analysis Location: Triade Gebouw	3			
14:00 – 14:55	FACULTY: Madelein van der Stouwe, Martje van Egmond, Anke Snijders, Francesca Morgante	FACULTY: Jan Willem Elting, Michele Tinazzi, Fleuvan Rootselaar, Jonathan van Zijl\				
	Group YELLOW & Group BLUE	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					
	Hands-on Session with Patients (25 min rotations) Location: Outpatient Clinic	Workshop Coherence Analysis Location: Triade Gebouw	3			
15:45 – 16:40	FACULTY: Madelein van der Stouwe, Martje van Egmond, Anke Snijders, Francesca Morgante	FACULTY: Jan Willem Elting, Michele Tinazzi, Fleur van Rootselaar, Jonathan van Zijl				
	Group RED & Group GREEN	Group YELLOW & Group BLUE				
16:50 – 17:00	Closing Remarks Marina de Koning-Tijssen, Martje van Egmond, Fra	Lokaal 16				
19:00 – 21:30	Interactive Dinner - Clinical Neurophysiology Mor Hosted by Marina de Koning-Tijssen & Martje van		Het Feithhuis (See Pg. 7 for details)			
			<u> </u>			

DAY 3: SATURDAY, APRIL 1, 2023				
Time	Title	Location		
8:30 – 9:00	Course Check-In and Coffee	Blauwe Patio		
Session 1: Dy Chair: Hans K				
9:00 – 9:30	Dystonia: Phenomenology and Assessment Martje van Egmond			
9:30 – 10:00	Use of Clinical Neurophysiology to Diagnose and Treat Dystonia Francesca Morgante	Lokaal 16		
10:00 – 10:30	Moderated Question and Answer			
10:30 – 11:00	COFFEE BREAK	Blauwe Patio		
	ow we Do it" / Clinical Applications of Neurophysiology a de Koning-Tijssen			
11:00 – 13:00	Patient Demonstration: Polymyography and Botulinum Toxin treatment of Cervical Dystonia Hans Koelman, Jan Willem Elting & Martje van Egmond			
13:00	Closing Remarks, Evaluation, Grab and Go Lunch			

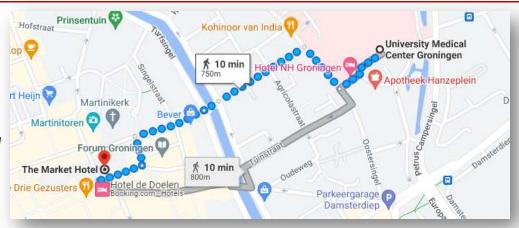
#### **EVENT LOCATIONS & MAPS**

### **Networking Reception**

Thursday, March 30, 2023

The Market Hotel Grote Markt 31 9712 HS Groningen, Netherlands

Beer & Bitterballen to be provided

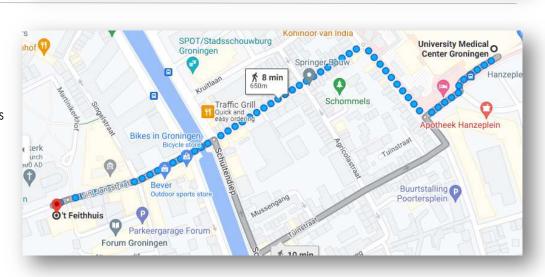


# **Interactive Dinner: Pub-Quiz** Friday, March 31, 2023

Het Feithhuis

Martinikerkhof 10 9712 JG Groningen, Netherlands

Dinner to be provided



NOTES





NOTES

# **UPCOMING EDUCATION**



**MDS-ES Controversies in Parkinson's Disease Research** 



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



**MDS-ES School for Young Neurologists** 

