Course Directors
- Prof. Fiorella Contarino,
  The Hague, The Netherlands
- Prof. Robert Jech,
  Prague, Czech Republic

Faculty March 17
- Prof. Andrea Kühn,
  Berlin, Germany (virtual)
- Dr. Michael Schüpbach,
  Bern, Switzerland
- Prof. Martijn Beudel
  Amsterdam, The Netheralnds
- Gaetano Leogrande, MSc,
  Maastricht, The Netherlands

Accreditation
An application for accreditation has been submitted with RIZIV in Belgium:
March 17: ID25001920
March 27: ID25001923
March 28: ID25001925

Target audience
- Neurologists or residents involved in the patient pathway from planning to follow-up care wishing to deepen their knowledge and skills related to programming and wanting to understand the newest programming strategies and technologies
- Specialized DBS nurses, involved in DBS programming and patient care
- Multi-disciplinary teams of neurologist and nurses, especially to foster the multi-disciplinary approach to patient care

Venue March 27
Carlton Ambassador Hotel
Sophialaan 2
2514 JP The Hague
The Netherlands

On-site assistance
Tamara Franssen

Deep Brain Stimulation Fundamental Programming Academy
Getting a sense of what is possible with programming for Movement Disorders

March 17 and 27 & 28, 2025
The Hague, The Netherlands

At the end of this course, participants will be able to understand how to optimize symptom relief with minimal side effects through basic programming with an emphasis on sensing programming options

Agenda Virtual introduction
Monday March 17, 2025
* All times mentioned are in CET (UTC+1)

17:30	**Welcome**	
	Prof. Contarino & Prof. Jech	
17:35	**Introduction of Faculty**	
	Prof. Contarino & Prof. Jech	
17:40	**Live Survey**	
	Prof. Contarino	
17:50	**Patient selection Parkinson's Disease: Selection criteria, case-based presentation**	
	Dr. Schüpbach	
18:10	**Live Q&A session**	
18:15	**Patient selection Dystonia: Selection criteria, case-based presentation**	
	Prof. Kühn	
18:35	**Live Q&A session**	
18:40	**Patient selection Tremor: Selection criteria, case-based presentation**	
	Prof. Contarino	
19:00	**Live Q&A session**	
19:05	**Live Quiz**	
	Prof. Contarino & Prof. Jech	
19:20	**Introduction to E-learning and How to prepare for presentation in Prague**	
	Prof. Jech	
19:25	**Case example**	
	Prof. Jech	
19:30	**Closing remarks & End of virtual introduction**	
	Training will be continued in face-to-face setting on March 27 & 28, 2025	

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Faculty March 27 & 28
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Venue March 27
Carlon Ambassador Hotel
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2514 JP The Hague
The Netherlands

Venue March 28
Haga ziekenhuis Den Haag
Els Borst-Eilersplein 275
2545 AA The Hague
The Netherlands

Agenda in-person training
Thursday March 27, 2025

Registration & lunch buffet in meeting room

13:00 Welcome and course introduction: Goals and Expectations
Prof. Contarino & Prof. Jech

13:15 Introduction of Participants

13:45 Around the world of DBS programming: the basics (25' presentation and 5' discussion)
G. Leogrande, MSc.
- what is the effect of changing the different parameters (pulse width vs. frequency), concepts of constant-current and constant-voltage, what is VTA, impedance, etc.

14:15 Understanding the basics of programming: Clinical aspects on Parkinson's Disease (25' presentation and 5' discussion)
Prof. Jech
- Basic steps, initial programming, long-term programming. Lecture will include references to anatomy and will cover medication adjustment correlated with programming

14:45 Afternoon break

15:15 Understanding the basics of programming: Clinical aspects on Dystonia (25' presentation and 5' discussion)
Dr. Schüpbach
- Basic steps, initial programming, long-term programming. Lecture will include references to anatomy and will cover medication adjustment correlated with programming

15:45 Understanding the basics of programming: Clinical aspects on Tremor (25' presentation and 5' discussion)
Prof. Contarino
- Basic steps, initial programming, long-term programming. Lecture will include references to anatomy and will cover medication adjustment correlated with programming

16:15 Group discussion

16:30 Local field potentials: The Basics & Clinical experiences with Sensing (25' presentation and 5' discussion)
Dr. Beudel
- what is Beta, correlations, existing data
- what can we do/see with sensing in real life

17:00 Group discussion

17:15 Programming cases presented by Participants
please kindly submit your case before March 25 and send to info@ecmt-training.com

18:00 End of program day 1

19:15 Departure for group dinner

19:30 Group dinner

ECMT European Continuing Medical Training
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ECMT VZW (non-profit association) - BE 0455.124.592 - RPR Gent

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Friday March 28, 2025

08:30   Welcome and wrap-up of day 1
Prof. Contarino & Prof. Jech

08:45   Image guided programming
Prof. Jech

09:05   Sensing Workflow (15' presentation and 5' discussion)
Prof. Contarino

09:25   Around the world of DBS programming: new features (15' presentation and 5' discussion)
G. Leogrande, MSc.
- Multiple frequencies, personalized shape of stimulation field, display vs. delivered amplitude, what is interleaved, real and apparent current, current spread with directional leads, when is better to use an option rather than another, adaptive DBS

09:45   Group discussion

10:00   Morning Break

Break-out session: Practical programming & Troubleshooting workshop
Participants will be split in 2 groups, 2 x 1h rotation
10:30   Case-based (advanced feature) hands-on programming workshop:
- from basic to new features of programming
- brainsense
All Faculty

11:30   Rotation, change of groups in break-out rooms

Break-out session: Practical programming & Troubleshooting workshop
Participants will be split in 2 groups, 2 x 1h rotation
11:45   Case-based (advanced feature) hands-on programming workshop:
- from basic to new features of programming
- brainsense
All Faculty

12:45   Lunch Break

13:40   Concepts behind adaptive DBS and a perspective into future applications (15' presentation and 5' discussion)
Dr. Beudel

14:00   Post-operative management
Prof. Jech

14:20   Programming cases presented by Participants
please kindly submit your case before March 25 and send to info@ecmt-training.com

15:00   Group discussion with refreshments

15:15   Challenging case discussion and sensing related questions (cases from Faculty or additional participant cases i.a.)

15:35   Final Quiz, Conclusion & Adjourn
Prof. Contarino & Prof. Jech

16:00   End of training