

NEUROSURGERY FOR MOVEMENT DISORDERS

DAY 1 - WEDNESDAY 10 MAY

Anatomy and Pathology

08:00	Introduction to the course	L Zrinzo
08:10	Pathophysiology of Parkinson's disease, tremor, and dystonia	J Volkmann
08:50	Medical management of Parkinson's disease, tremor, and dystonia	P Krack
09:30	History of stereotactic neurosurgery for movement disorders	P Blomstedt
10:00 Coffee break		
10:30	Neuroanatomy & neuroradiology of common anatomical targets	H Akram
11:15	Imaging and planning of target and trajectory	M Krüger
12: 00 Lunch at the Corinthia Hôtel		
13:30	Hands on session – Frames, targeting and planning software	All Faculty
15:30 Coffee break		
16:00	Patient & brain target selection in surgery for Parkinson's disease	P Limousin
16:30	Patient & target selection in surgery for Tremor & Dystonia	P Krack
17:00	End of Day 1	

DAY 2 – THURSDAY 11 MAY

Deep Brain Stimulation for movement disorders

08:00	DBS– mechanism of action/sensing/closed loop		J Volkmann
08:40	Case based discussion on target and patient selection	Chairmain	J Krauss
09:20	Intraoperative neurophysiological and clinical observations		S Chabardes
10:10 Coffee break			
10:30	Intraoperative imaging to verify the surgical procedure		H Akram
11:00	Intraoperative procedure: tips and tricks		L Zrinzo
11:30	Implantable Neurostimulator		J Rumia
12: 00 Lunch at the Corinthia Hôtel / Officer meeting at the Corinthia Hôtel			
13:30	Hands On session – Robots, MER and DBS hardware		All Faculty
15:30 Coffee break			
16:00	Avoiding and managing surgical complications		J Bloch
16:30	Setting up a DBS service for movement disorders		J Aquilina
17:00	End of Day 2 talks		

20:00 COURSE DINNER

DAY 3 – FRIDAY 12 MAY

Stereotactic ablation and DBS programming

- 08:00 The pros and cons of bilateral surgery for movement disorders A. Lozano
- 08:40 Programming strategies in PD, dystonia & tremor P Limousin / M Krüger
- 09:20 Managing symptoms that develop after chronic stimulation. P Limousin / P Krack
- 10:00 Coffee break**
- 10:30 Radiofrequency lesioning for movement disorders M Hariz
- 11:00 Gamma knife surgery for movement disorders J Regis
- 11:30 MR guided focused ultrasound R Cosgrove
- 12: 30 Lunch at the Corinthia Hôtel**
- 13:30 Hands on session - Ablation and DBS programming All Faculty**
- 15: 30 Coffee break**
- 16:00 Troubleshooting after DBS: case based studies L Zrinzo
- 16:30 Course Test & Evaluation
- 17:00 End of Course

Faculty

A. Akram	London, UK	J.K. Krauss	Germany
J. Aquilina	Malta	M. Krüger	London, UK
J. Bloch	Switzerland	J. Rumia	Spain
P. Blomstedt	Sweden	J. Regis	France
S. Chabardes	France	P. Limousin	London, UK
R. Cosgrove	Boston, USA	A. Lozano	Toronto, Canada
M. Hariz	Sweden	J. Volkmann	Germany
P. Krack	Switzerland	L. Zrinzo	London, UK / Malta

ESSFN Hands On Courses
MOVEMENT DISORDERS



10-12 May 2023
Malta

essfn European Society for
Stereotactic and Functional Neurosurgery

WE WOULD LIKE TO THANK THE COURSE PARTNERS
FOR THEIR SUPPORT

**Boston
Scientific**
Advancing science for life™

 **BRAINLAB**

 **Elekta**

inomed 
we share competence

Medtronic
Further, Together