

ESSFN Hands On Courses

MOVEMENT DISORDERS



10-12 February 2020
Amsterdam - Netherlands

essfn

European Society for
Stereotactic and Functional Neurosurgery



GENERAL ORGANIZATION :

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FACULTY

Harith Akram	<i>UK</i>	Marwan Hariz	<i>Sweden</i>
Martijn Beudel	<i>The Netherlands</i>	Joachim Krauss	<i>Germany</i>
Rob de Bie	<i>The Netherlands</i>	Pepijn van den Munckhof	<i>The Netherlands</i>
Jocelyne Bloch	<i>Switzerland</i>	Vincent Odekerken	<i>The Netherlands</i>
Patric Blomstedt	<i>Sweden</i>	Jean Regis	<i>France</i>
Stephan Chabardes	<i>France</i>	Jordi Rumia	<i>Spain</i>
Laura Cif	<i>France</i>	Rick Schuurman	<i>The Netherlands</i>
Loand Eross	<i>Hungary</i>	Gertrud Tamás	<i>Hungary</i>
Antonio Goncalves Ferreira	<i>Portugal</i>	Ludvic Zrinzo	<i>UK</i>
Jorge Guridi	<i>Spain</i>		

NEUROSURGERY FOR MOVEMENT DISORDERS

MONDAY 10 FEBRUARY - ANATOMY, PATHOPHYSIOLOGY, PATIENT SELECTION

08:45	Welcome, Introduction to the course	Rick Schuurman, <i>The Netherlands</i>
09:00	Pathophysiology of Parkinson´s disease, tremor and dystonia	Vincent Odekerken, <i>The Netherlands</i>
09:45	Medical management of Parkinson´s disease, tremor and dystonia	Vincent Odekerken, <i>The Netherlands</i>
10:15	History of stereotactic neurosurgery for movement disorders	Marwan Hariz, <i>Sweden</i>
10:45	Coffee break	
11:00	Functional anatomy of the subthalamic nucleus	Jorge Guridi, <i>Spain</i>
11:30	Functional anatomy of the globus pallidus	Laura Cif, <i>France</i>
12:00	Functional anatomy of the thalamus	Antonio Gonçaves Ferreira, <i>Portugal</i>

12:30 Lunch

13:30 **HANDS-ON SESSION:**
WORKSHOPS FROM INDUSTRY: STEREOTACTIC FRAME, IMAGING, PLANNING, DBS-EQUIPMENT, PROGRAMMING

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Further Together

14:30 Coffee break

15:00	Patient & target selection, results in surgery for Parkinson's disease	Ludvic Zrinzo, <i>UK</i>
15:40	Patient & target selection, results in surgery for Dystonia	Joachim Krauss, <i>Germany</i>
16:20	Patient & target selection, results in surgery for tremor	Patric Blomstedt, <i>Sweden</i>
17:00	Q&A, Case based discussion on target and patient selection	Joachim Krauss, <i>Germany, Faculty</i>

17:30 End of first day

TUESDAY 11 FEBRUARY - DEEP BRAIN STIMULATION FOR MOVEMENT DISORDERS

09:00	Deep Brain Stimulation - mechanism of action	Stephan Chabardes, <i>France</i>
09:30	Imaging and planning of target and trajectory	Ludvic Zrinzo, <i>UK</i>
10:00	Intraoperative neurophysiological and clinical observations	Gertrúd Tamas, <i>Hungary</i>
10:30	Coffee break	
11:00	Robot-assisted surgery	Stephan Chabardes, <i>France</i>
11.30	Surgical and hardware complications	Pepijn v.d. Munckhof, <i>The Netherlands</i>
12:00	Advanced imaging modalities and their limitations	Harith Akram, <i>UK</i>
12:30	Lunch	

13:30 **HANDS-ON SESSION:
WORKSHOPS FROM INDUSTRY: STEREOTACTIC FRAME,
IMAGING, PLANNING, DBS-EQUIPMENT, PROGRAMMING**



15:00 Coffee break

15:20	Implantable Neurostimulator	Martijn Beudel, <i>The Netherlands</i>
15:40	New concepts: steering DBS	Rick Schuurman, <i>The Netherlands</i>
16:00	New concepts: closed loop DBS	Jocelyne Bloch, <i>Switzerland</i>
16:20	New concepts: transplantation, regeneration?	Jordi Rumia, <i>Spain</i>
16:40	Controversies: awake or asleep	All Faculty
	Controversies: MER	All Faculty

17:00 End of second day

09.00-15.00 ESSFN Officers' meeting

WEDNESDAY 12 FEBRUARY - STEREOTACTIC ABLATION, DBS PROGRAMMING, TROUBLESHOOTING

09:00	Radiofrequency lesioning for movement disorders	Marwan Hariz, <i>Sweden</i>
09:30	Gamma knife surgery for movement disorders	Jean Regis, <i>France</i>
10:00	Emerging technologies: MR guided focused ultrasound	Jordi Rumia, <i>Spain</i>
10:30	Coffee break	
11:00	Programming strategies in PD and dystonia	Gertrúd Tamas, <i>Hungary</i>
	Managing symptoms that develop after chronic stimulation	
11:30	Long-term effects of DBS	Rob de Bie, <i>The Netherlands</i>
12:00	Course Evaluation	
12:15	End of course, lunch	

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