

Deep Brain Stimulation in Movement Disorders

November 13 and 14, 2019

Kiel, Germany



Course Directors

Prof. Günther Deuschl
Dr. Steffen Paschen

Faculty

TBC
Dr. Markus Hobert (TBC)
Dr. Laura Paschen (TBC)

Accreditation

An application for accreditation will be submitted with Ärztekammer Schleswig-Holstein

Wednesday, November 13, 2019

Venue: Universitätsklinikum Schleswig-Holstein Campus Kiel

- 8:50 **Registration & introduction - Dr. S. Paschen, Prof. Deuschl**
Welcome to the course, ECMT introduction video
- 9:00 **DBS for Tremor - Prof. Deuschl**
Pathophysiology, classification, scoring, drug therapy, clinical results, patient selection
- 9:45 Discussion - All
- 10:00 **DBS for Parkinson's Disease - Prof. Deuschl**
Pathophysiology, clinical evaluation, indication, clinical results, predictors of outcome, which is best target: Gpi or STN
- 10:45 Discussion - All
- 11:00 Coffee break
- 11:15 **DBS for Dystonia - Dr. S. Paschen**
Pathophysiology, clinical evaluation, pharmacotherapy, indication, clinical results, patient selection criteria
- 12:00 Discussion - All
- 12:15 **Video case presentations - Dr. S. Paschen, Prof. Deuschl**
Patient selection for DBS (Tremor, advanced Parkinson's disease, Dystonia)
- 12:45 Discussion - All
- 13:00 Lunch
- 14:00 **Multidisciplinary treatment after DBS surgery - TBC**
- 14:50 Discussion - All
- 15:00 **Introduction to the programming of DBS systems - Dr. S. Paschen**
Basic mechanisms electrical brain stimulation, physiological significance of different stimulation parameters, 'general philosophy' of DBS programming
- 15:30 Discussion - All
- 15:45 Coffee break
- 16:00 **Post-operative management in advanced Parkinson's Disease - Dr. S. Paschen**
Adjustment of stimulation & medication, introduction to treatment algorithm, solutions for common post-operative problems
- 16:45 Discussion - All
- 17:00 **Programming course - Dr. S. Paschen, Dr. Hobert (TBC)**
Introduction to programmer, programming exercise on a DBS patient
- 18:00 End of program day 1
- 20:00 Group dinner

Thursday, November 14, 2019

Venue: Universitätsklinikum Schleswig-Holstein Campus Kiel

9:00 **Course 'Levodopa-test in advanced PD': The MDS-UPDRS/Pre-operative patient evaluation - Dr. Hobert (TBC)**

9:45 Discussion - All

10:00 **Intra-operative neurological monitoring - Dr. L. Paschen (TBC)**

10:45 Coffee break

Splitting the group into 2 parts

11:00 **Course 'Intra-operative neurological monitoring' - Dr. S. Paschen, Dr. Hobert (TBC)**

Practical demonstration during DBS surgery in the operating theatre

Movement Disorders ward round - Prof. Deuschl

Switching groups

11:45 **Movement Disorders ward round - Prof. Deuschl**

Course 'Intra-operative neurological monitoring' - Dr. S. Paschen, Dr. Hobert (TBC)

Practical demonstration during DBS surgery in the operating theatre

12:45 Lunch

13:45 **DBS special indications/future directions - Prof. Deuschl**

15:00 End of program