

# Deep Brain Stimulation in Movement Disorders

**November 14 and 15, 2018**  
**Kiel, Germany**



## Course Director

Prof. Günther Deuschl  
Dr. Steffen Paschen

## Faculty

Prof. Georg Ebersbach, Kliniken Beelitz, Germany  
Dr. Markus Hobert  
Dr. Laura Paschen

## Accreditation

An application for accreditation has been submitted with Ärztekammer Schleswig-Holstein

## Wednesday, November 14, 2018

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 - Prof. Ebersbach**
- 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 Tea 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**  
*Introduction to programmer, programming exercise on a DBS patient*
- 18:00 End of program day 1
- 20:00 Group dinner

**Thursday, November 15, 2018**

Venue: Universitätsklinikum Schleswig-Holstein Campus Kiel

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

9:45 Discussion - All

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

10:45 Coffee break

*Splitting the group into 2 parts*

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

*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**

*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