

# Deep Brain Stimulation in Movement Disorders

January 22 and 23, 2020  
Kiel, Germany



## Course Director

Dr. Steffen Paschen

## Faculty

Prof. Georg Ebersbach, Kliniken Beelitz, Germany

Dr. Jos Steffen Becktepe

Dr. Markus Hobert

## Accreditation

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

## Wednesday, January 22, 2020

Venue: Universitätsklinikum Schleswig-Holstein Campus Kiel

- 8:50 **Registration & introduction - Dr. Paschen**  
*Welcome to the course*
- 9:00 **DBS for Parkinson's Disease - Dr. Paschen**  
*Pathophysiology, clinical evaluation, indication, clinical results, predictors of outcome, which is best target: GPI or STN*
- 9:45 Discussion - All
- 10:00 **DBS for Tremor - Dr. Becktepe**  
*Pathophysiology, classification, scoring, drug therapy, clinical results, patient selection*
- 10:45 Discussion - All
- 11:00 Coffee break
- 11:15 **DBS for Dystonia - Dr. Paschen**  
*Pathophysiology, clinical evaluation, pharmacotherapy, indication, clinical results, patient selection criteria*
- 12:00 Discussion - All
- 12:15 **Video case presentations - Dr. Hobert**  
*Patient selection for DBS (Tremor, advanced Parkinson's disease, Dystonia)*
- 12:45 Discussion - All
- 13:00 Lunch
- 13:45 **Multidisciplinary treatment after DBS surgery - Prof. Ebersbach**
- 14:35 Discussion - All
- 14:45 **Introduction to the programming of DBS systems - Dr. Paschen**  
*Basic mechanisms electrical brain stimulation, physiological significance of different stimulation parameters, 'general philosophy' of DBS programming*
- 15:15 Discussion - All
- 15:20 Coffee break
- 15:40 **Post-operative management in advanced Parkinson's Disease - Dr. Paschen**  
*Adjustment of stimulation & medication, introduction to treatment algorithm, solutions for common post-operative problems*
- 16:30 Discussion - All
- 16:45 **Programming course - Dr. Paschen, Dr. Becktepe, Dr. Hobert**  
*Introduction to programmer, programming exercise on a DBS patient*
- 17:30 End of program day 1
- 19:00 Group dinner

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**Thursday, January 23, 2020**

Venue: Universitätsklinikum Schleswig-Holstein Campus Kiel

- 9:00 **Course 'Levodopa-test in advanced PD': The MDS-UPDRS/Pre-operative patient evaluation - Dr. Becktepe**  
9:45 Discussion - All  
10:00 **Intra-operative neurological monitoring – Dr. Hobert**  
10:45 Coffee break

*Splitting the group into 2 parts*

- 11:00 **Course 'Intra-operative neurological monitoring' - Dr. Paschen, Dr. Hobert**  
*Practical demonstration during DBS surgery in the operating theatre*  
**Movement Disorders ward round - Prof. Maetzler, Dr. Becktepe**

*Switching groups*

- 11:45 **Movement Disorders ward round - Prof. Maetzler, Dr. Becktepe**  
**Course 'Intra-operative neurological monitoring' - Dr. Paschen, Dr. Hobert**  
*Practical demonstration during DBS surgery in the operating theatre*

12:45 Lunch

14:00 **Sensing and Closed Loop Stimulation in DBS – Dr. Kuhlmann**

15:00 End of program

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