

# Deep Brain Stimulation training program in Movement Disorders

**April 18 & 19, 2018**  
**Kiel, Germany**



## Course Director

Prof. Günther Deuschl

Dr. Steffen Paschen

## Faculty

Dr. Benny Fischer

Dr. Karina Knudsen (TBC)

Prof. Björn Hauptmann (TBC)

## Accreditation

An application for accreditation will be submitted to the Ärztekammer Schleswig-Holstein

## Preliminary agenda

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## Wednesday, April 18, 2018

Venue: Universitätsklinikum Schleswig-Holstein Campus Kiel

**8:50 Registration & introduction - Prof. Deuschl, Dr. Paschen**

*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. Paschen**

*Pathophysiology, clinical evaluation, pharmacotherapy, indication, clinical results, patient selection criteria*

12:00 Discussion - All

**12:15 Video case presentations - Prof. Deuschl, Dr. Paschen**

*Patient selection for DBS (Tremor, advanced Parkinson's disease, Dystonia)*

12:45 Discussion - All

13:00 Lunch

**14:00 Introduction to the programming of DBS systems - Dr. Knudsen (TBC)**

*Basic mechanisms electrical brain stimulation, physiological significance of different stimulation parameters, 'general philosophy' of DBS programming*

14:30 Discussion - All

**14:45 Post-operative management in advanced Parkinson's disease - Dr. Knudsen (TBC)**

*Adjustment of stimulation & medication, introduction to treatment algorithm, solutions for common post-operative problems*

15:30 Discussion - All

15:45 Tea break

**16:00 Long-term treatment of Parkinson's disease patients - Prof. Hauptmann, Bad Segeberg (TBC)**

*Common long-term problems in patients with DBS*

16:45 Discussion - All

**17:00 Programming course - Dr. Paschen, Dr. Fischer, Dr. Knudsen (TBC)**

*Introduction to programmer, programming exercise using a phantom, programming exercise on a DBS patient*

18:00 End of program day 1

20:00 Group dinner

**Thursday, April 19, 2018**

Venue: Universitätsklinikum Schleswig-Holstein Campus Kiel

9:00 **Course 'Levodopa-test in advanced PD': The MDS-UPDRS - Dr. Fischer**

9:45 Discussion - All

10:00 **Intra-operative neurological monitoring - Dr. Fischer**

10:45 Coffee break

*Splitting the group into 2 parts*

11:00 **Course 'Intra-operative neurological monitoring' – Dr. Paschen**

*Practical demonstration during DBS surgery in the operating theatre*

**Movement disorders ward round – Prof. Deuschl**

*Switching groups*

**Movement disorders ward round – Prof. Deuschl**

**Course 'Intra-operative neurological monitoring' – Dr. Paschen**

*Practical demonstration during DBS surgery in the operating theatre*

12:45 Lunch

13:15 **DBS and MRI – Dr. Paschen**

14:00 **DBS Special indications/future directions – Prof. Deuschl**

15:00 End of program