

Deep Brain Stimulation training program in Movement Disorders

December 6 and 7, 2017
Kiel, Germany



Course Director

Prof. Günther Deuschl

Dr. Steffen Paschen

Faculty

Dr. Benny Fischer

Dr. Karina Knudsen

Prof. Björn Hauptmann

Accreditation

CME credits will be applied for with Ärztekammer Schleswig-Holstein

Preliminary agenda

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Wednesday, December 6, 2017

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**

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**

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**

Common long-term problems in patients with DBS

16:45 Discussion - All

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

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, December 7, 2017

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