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# Deep Brain Stimulation for Movement Disorders

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Deep Brain Stimulation for Movement Disorders

## Würzburg, GERMANY

October 13-14, 2016

**Deep Brain Stimulation for Movement Disorders**  
**October 13-14, 2016 - Würzburg, Germany**



### Course Description

More than 100,000 patients worldwide have been treated by deep brain stimulation (DBS) for a drug refractory movement disorder. General neurologists will be increasingly confronted with the management of these patients, who suffer from chronic neurological conditions, such as Parkinson's disease, and require lifelong care.

This advanced course is intended for neurologists, neurosurgeons or nurse practitioners already involved in the care of patients with deep brain stimulation. The course will focus on standards of care in the preoperative, intraoperative and postoperative patient management, optimal definition of the implant target, a comparison of programming options in different DBS devices, advanced programming options including visualized programming tools and troubleshooting for failed DBS surgery and various therapy related adverse effects.

### **Learning Objectives**

At the conclusion of this activity, you should be able to accomplish the following:

- Provide an in-depth overview of the selection process of candidates for deep brain stimulation in various subtypes of Parkinson's disease, dystonia and tremor

- Outline the efficacy and associated risks for DBS in various subtypes of Parkinson's disease, dystonia and tremor

- List the different electrical parameters that can be adjusted for DBS and outline their biological effect including advanced programming options such as interleaving, multiple independent current control, current steering, etc.

- Describe the strategies for adjustment of medication and DBS settings, especially for Parkinson's disease, and discuss troubleshooting strategies for dysarthria, balance problems, gait problems, and neuropsychiatric problems

- Describe the strategies for analyzing the causes of "failed DBS surgery" and solutions

- Describe the indirect and direct stereotactic definition of all implant targets (STN, GPi, VIM, VOA, subthalamic area)

- List key points that describe the long-term management of DBS patients

### **Recommended Audience**

This course is intended for movement disorder specialists, functional neurosurgeons, nurse practitioners and trainees who are already

involved in the selection, intra- or postoperative management of patients with movement disorders (tremor, dystonia, Parkinson's disease, etc.) treated by deep brain stimulation surgery and want to strengthen their knowledge in this field.

### Venue

NOVUM Conference Center  
Schweinfurter Str. 11  
Würzburg

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Course Program

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### Registration Opening Soon

**MDS Members:** \$300

**MDS Juniors/Waived Dues:** \$200

**Non-Members:** \$400

Registration includes entrance to all sessions, course materials, catering and 1-year associate membership for eligible non-members. To find out more about associate membership or eligibility, please visit the [Associate Membership](#) webpage.

**Refund Policy:** For cancellation 2 weeks in advance of a course the registration fee will be 100% refunded, minus a \$25 administrative fee. For cancellation within 2 weeks of a course, the registration fee is non-refundable.

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### For more information:

Contact Education


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### About The International Parkinson and Movement Disorder Society

The International Parkinson and Movement Disorder Society (MDS) is a professional society of over 5,000 clinicians, scientists and other healthcare professionals dedicated to improving the care of patients with **movement disorders** through education and research.

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