



Our 5th Winter School will be a Spring School this year and will focus on **Deep Brain Stimulation in Dystonia**. It will be held **online** from April 17 to 19, 2024.

LEARNING OBJECTIVES

- Demonstrate up-to-date knowledge on indications and limits of Deep Brain Stimulation
- Describe the heterogeneity of DBS outcome in patients with inherited and acquired dystonia
- Discuss the pro and cons of DBS in acquired dystonia
- Discuss the difficulty of outcome assessments for DBS effects in patients with inherited and acquired dystonia
- Consider potential outcome parameters
- Outline a selection process of patients inherited and acquired dystonia for DBS
- Know the basic components and functions of a DBS system
- Know the most common targets and the targeting of the Gpi
- Know typical indications and subgroups of dystonias with typical outcomes
- Know the initial clinical testing procedure
- Know the typical problems and side effects during follow-up and their management
- Know the genetic prognostic factors on DBS outcomes in inherited dystonia

PROGRAMME

17 April 2024 **Indications and Diagnosis**
CHAIR **Sylvia Bösch, Innsbruck (AU)**

TIME (CEST)	TOPIC	SPEAKER
9:00-9:45	Isolated Dystonias (inherited, sporadic)	Sylvia Boesch Innsbruck (AU)
9:45-10:30	Combined / Complex Dystonias	Norbert Brüggemann Lübeck (DE)
10:30-11:15	Dystonia in Infancy	Anne Koy Köln (DE)
11:15-11:30	Coffee Break	
11:30-12:15	Botulinum Toxin: Opportunities & Limitations	Francesca Morgante London (UK)
12:15-13:00	Drug Therapy and Neurorehabilitation: Opportunities & Limitations	Anna Castagna Milano (IT)
13:00-13:30	Q&A, Discussion	

18 April 2024 How to do DBS/ Neurosurgery
CHAIR Martin Reich, Würzburg (DE)

TIME (CEST)	TOPIC	SPEAKER
9:00-9:45	Neurosurgery Aspects of DBS in Dystonia (including Alternative Targets (STN, VOA, VIM))	Philippe Coubes Montpellier (FR)
9:45-10:30	MER and LFP-signals for Implantation and Programming in Dystonia Patients	Nicolo Pozzi Würzburg (DE)
10:30-10:45	Coffee break	
10:45-11:00	Introduction: Care Pathway “DBS in Dystonia”	Martin Reich, Würzburg (DE) Tamara Martin, Tübingen (DE)
11:00-11:45	Neuroimaging for Implantation and Programming in Dystonia Patients	Martin Reich Würzburg (DE)
11:45-12:30	Q&A, Discussion	

19 April 2024 Troubleshooting and Cases
CHAIR Victoria Gonzalez, Barcelona (SP)

TIME (CEST)	TOPIC	SPEAKER
9:00-9:45	Strategies of DBS Troubleshooting in Dystonia	Norbert Kovacs Pécs (HU)
9:45-10:30	Dystonic Crisis / Reactions	Victoria Gonzalez Barcelona (SP)
10:30-10:45	Coffee break	
10:45-12:45	Case Presentations	Expert Panel
	Dana Craiu, Bucharest (RO)	Philippe Coubes, Montpellier (FR)
	Victoria Gonzalez, Barcelona (SP)	Giulia Giannini, Bologna (IT)
	Virginia Maltese, Würzburg (DE)	Victoria Gonzalez, Barcelona (SP)
	Esra Serdaroglu, Ankara (TR)	Norbert Kovacs, Pécs (HU)
	[2 cases]	Martin Reich, Würzburg (DE)
	Eugenia Tsoma, Prague (CZ)	
12:45-13:15	Q&A, Discussion	
13:15-13:30	Closing Remarks	

For further information please contact [Christine Diaite-Hecht](#).

PROGRAMME COMMITTEE

- **Sylvia Boesch**, Medical University Innsbruck, Austria
- **Giulia Giannini**, Istituto delle Scienze Neurologiche di Bologna, Italy
- **Victoria Gonzalez**, Vall d'Hebron Barcelona Hospital Barcelona, Spain
- **Holm Graessner**, University Hospital Tübingen, Germany
- **Martin Reich**, University Hospital Würzburg, Germany
- **Christine Diaite-Hecht**, University Hospital Tübingen, Germany (coordination)