

12th Tractography Workshop

A course of white matter tract anatomy and its correlation with DTI-tractography of the human brain

May 27-28-29, 2019

Vienna, Austria



Course Director

Stefan Wolfsberger, Department of Neurosurgery, Medical University of Vienna, Austria

Faculty

Katja Bühler, VRVis Zentrum für Virtual Reality und Visualisierung Forschungs-GmbH, Vienna, Austria

Youssef Comair, Neurosurgery Department, The Lebanese University of Beirut, Lebanon

Thomas Czech, Neurosurgery Department, Medical University of Vienna, Austria

Philippe Dodier, Neurosurgery Department, Medical University of Vienna, Austria

Gregor Kasprian, Biomedical imaging and Image-guided therapy department, Medical University of Vienna, Austria

Engelbert Knosp, Head of Department of Neurosurgery, Medical University of Vienna, Austria

Georgi Minchev, Neurosurgery Department, Medical University of Vienna, Austria

Klaus Novak, Neurosurgery Department, Medical University of Vienna, Austria

Boguslaw Tomanek, University of Alberta, Canada

Aygül Wurzer, Neurosurgery Department, Medical University of Vienna, Austria

Accreditation

An application for accreditation has been submitted with Österreichische Akademie der Ärzte GmbH, ID 646804

Monday, May 27, 2019

Venue: Medical University of Vienna, Department of Neurosurgery, level 5

7:30 **Registration and Welcome** - Prof. Wolfsberger

8:00 **Surgery - Gliomas** – Prof. Knosp

8:30 **Workshop instructions - Hemisphere from Lateral** - Prof. Wolfsberger

9:00 **Workshop: Dissection - Hemisphere from Lateral** - Faculty

12:30 Lunch

13:30 **DTI Basics** – Prof. Tomanek

14:00 **Workshop: DTI-Tractography - StealthDTI instructions** – Dr. Wurzer

17:00 End of program day 1

19:30 Group dinner

Tuesday, May 28, 2019

Venue: Medical University of Vienna, Department of Neurosurgery, level 5

7:30 **Anatomy of the Temporal Lobe** – Prof. Czech

8:00 **Radiology - DTI and Tractography for CNS and PNS Pathologies** – Prof. Kasprian

8:30 **Workshop instructions - Hemisphere from Medial and Temporal** - Prof. Wolfsberger

9:00 **Workshop: Dissection - Hemisphere from Medial and Temporal** - Faculty

12:30 Lunch

13:30 **Neurosurgery of Brain Stem Cavernomas** – Prof. Knosp

14:00 **Techniques for 3D visualization** – Dr. Bühler, Dr. Dodier

15:00 **Workshop: DTI Tractography, StealthDTI instructions** - Dr. Wurzer

17:00 End of program day 2

Wednesday, May 29, 2019

Venue: Medical University of Vienna, Department of Neurosurgery, level 5

7:30 **Neurophysiological Mapping of Topography and Monitoring of Functional Integrity** – Dr. Novak

8:00 **Workshop instructions - Brain stem/Cerebellum** - Prof. Wolfsberger, Dr. Wurzer

9:00 **Workshop: Dissection - Brain stem Fibre Tracts** - Faculty

12:00 Lunch

13:00 **Experience in awake surgery for gliomas in the central and speech areas** – Prof. Comair

14:00 **A novel Miniature Robotic Guidance Device for Neurosurgery** - Prof. Wolfsberger

14:30 **Workshop: Hands-on Robotic Guidance Device** – Dr. Minchev

17:00 **End of program**