Dr. Aygül Mert
Universitätsklinik für Neurochirurgie
Allgemeines Krankenhaus der Stadt Wien (AKH)
Waehringer Guertel 18-20
A-1090 Vienna
Austria

General Information

Presented by:
Department of Neurosurgery
Medical University of Vienna (General Hospital - AKH)
Währinger Gürtel 18-20 · 1090 Vienna · Austria
Chairman: Univ.Prof.Dr. Engelbert Knosp

Course Venue:
Microsurgical Laboratory of the Department of Neurosurgery
Vienna General Hospital (AKH) · Level 8H
Währinger Gürtel 18-20 · 1090 Vienna · Austria

Workshop Language:
English

Organization:
Aygül Mert, MD
E-mail: ayguel.mert@meduniwien.ac.at
Stefan Wolfsberger, MD
E-Mail: stefan.wolfsberger@meduniwien.ac.at

Course Secretariat:
Mrs. Ingeborg Wagner
Phone +43/1/40400-2565
Fax +43/1/40400-4566
E-mail: ingeborg.wagner@meduniwien.ac.at

Workshop Fee: € 950.-
Includes cadaver workshop, DTI workstations, meals
Having received a confirmation of participation,
the workshop fee must be transferred not later than
May 1st to the following account:
Erste Bank AG
Account no. 404 100 707 00, BLZ 20111
IBAN: AT36 20111 404 100 707 00
BIC/SWIFT: GIBAATWW
Account holder: Medizinische Universität Wien
Intended purpose: KO27736002
(this is absolutely necessary to specify!)

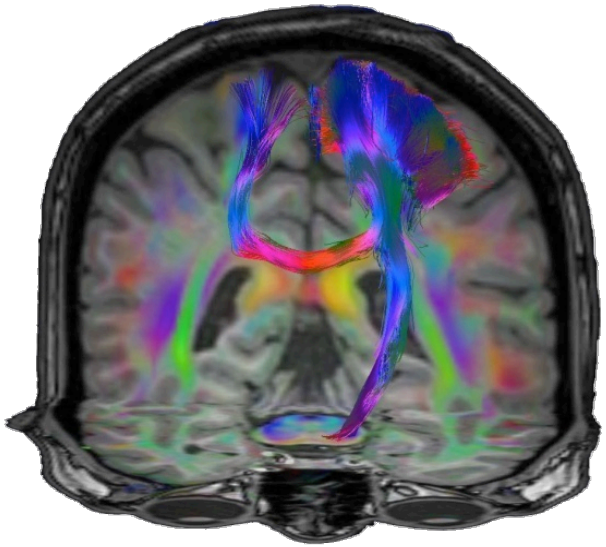
Application for attendance:
For application use the attached form by mail, fax or e-mail.
The workshop is limited to 12 Participants. Allocation is based on a first-come first-served basis.

Accommodation:
Hotel Regina
Rooseveltplatz 15, 1090 Vienna, Austria
Phone +43/1/404 46-0
Room reservation is performed automatically after receipt of workshop fee.

Department of Neurosurgery
Chair: Univ.Prof.Dr. Engelbert Knosp

Department of Radiology,
Division of Neuroradiology
Chair: Univ.Prof.Dr. Daniela Prayer

Medical University of Vienna



5TH INTERNATIONAL TRACTOGRAPHY WORKSHOP

May 26 – 28, 2014
Department of Neurosurgery
Medical University Vienna
Austria

in collaboration with

Medtronic

Course Objectives

Diffusion Tensor Imaging (DTI) has recently gained importance, not only for planning of neurosurgical approaches, but also as a subcortical adjunct to functional MR image data for intraoperative neuro-navigation. This course is aimed at neurosurgeons who want to get acquainted with the white matter tract anatomy and with DTI-tractography of the human brain. Therefore, the workshop uniquely combines cadaver dissection of white matter fiber tracts with hands-on DTI-tractography training.

The main objective of the course is practical training both on human cadaver specimens and on a DTI tractography system. The number of participants is limited to 12 for whom a sufficient number of tutors will be provided.

Each day commences with microscopic cadaver dissection introduced by anatomical and surgical experts. The afternoon is dedicated to hands-on fibertracking with special emphasis on its application for surgical planning and intraoperative navigation. StealthDTI® tractography and navigation systems are provided in collaboration with the Medtronic company.
A dedicated part of the course covers 3D visualization techniques and their application for neurosurgical planning using the StealthViz® software tool.

We are looking forward to welcoming you in Vienna!

Sincerely,

Engelbert Knosp

Faculty

Univ.Prof.Dr. Engelbert Knosp
Univ.Doz.Dr. Stefan Wolfsberger
Univ.Prof.Dr. Thomas Czech
Dept. of Neurosurgery, Medical University of Vienna

Prof. Juan A. Barcia MD, PhD
Hospital Clínico Universitario San Carlos, Universidad Complutense de Madrid

Prof. Boguslaw Tomanek
Dept. of Clinical Neurosciences, University of Calgary, Canada

Univ.Prof.Dr. Daniela Prayer
Dept. of Radiology, Medical University of Vienna

Univ.Prof.Dr. Wolfgang Weninger
Center of Anatomy and Cell Biology

Dr. Katja Bühler
VRVis – Centre for Virtual Reality and Visualization, Vienna

Course Program

Monday, May 26

08:00 **Welcome** (Knosp)
08:15 Introduction: **Historical Aspects** (Czech)
08:30 Lecture: Anatomy - **Hemisphere from Lateral** (Wolfsberger)
09:00 Lecture: Surgery – **Gliomas** (Knosp)
09:30 Workshop: Dissection - **Hemisphere from Lateral**
12:00 Lunch
13:30 Lecture: **DTI Basics** (Tomanek)
14:00 Lecture: Navigation – **StealthDTI® Instructions** (Wolfsberger)
14:30 Workshop: DTI-Tractography - **Projection fibres**

Tuesday, May 27

08:30 Lecture: Anatomy - **Hemisphere from Medial** (Wolfsberger)
09:00 Lecture: Radiology - **DTI, beyond the corticospinal tract** (Mitter)
09:30 Workshop: Dissection - **Hemisphere from Medial**
12:00 Lunch
13:30 Lecture: Navigation – **Advanced Navigation Techniques with AxiEM®** (Wolfsberger)
14:30 Workshop: DTI-Tractography **Association/Commissural Fibres**

19:30 Viennese Evening

Wednesday, May 28

08:30 **Lecture: Clinical applications of deep brain targeting using DTI Tractography** (Barcia)
09:00 Lecture: Anatomy/Surgery - **Temporal Lobe** (Czech)
09:30 Workshop: Dissection **Hemisphere from Medial and Temporal**
12:00 Lunch
13:30 Lecture: **Techniques for 3D Visualization in Neurosurgery** (Bühler)
14:00 Lecture: **3D Volume Rendering with StealthViz®** (Mert)
14:30 Workshop: The **StealthViz® Module for Surgical Planning**
17:00 Workshop adjourns

in collaboration with

Medtronic

Application Form

..... Surname

..... First and middle Names

..... Titel

..... Address

..... ZIP/City

..... Country

..... Phone

..... Fax

..... e-mail

..... Hospital

..... Department

..... Position

..... Hospital address

..... Hospital ZIP/City

..... Hospital country

☐ accommodation requested (DR / single occ. € 110,-)
☐ accommodation requested (DR / double occ. € 125,-)

..... date/signature