Modular Curriculum

This training program is a series of three modules about eloquent brain tumor treatment and structured as follows:

Module 1: TMS - Transcranial magnetstimulation (250€)
Module 2: White Matter Tractography (250€)
Module 3: Surgery of eloquent brain tumors (750€)

Trainers

Prof. Dr. Peter Vajkoczy
Chief physician Department of Neurosurgery,
Charité - Universitätsmedizin Berlin

PD Dr. Markus Czabanka
Deputy chief physician Department of Neurosurgery,
Charité - Universitätsmedizin Berlin

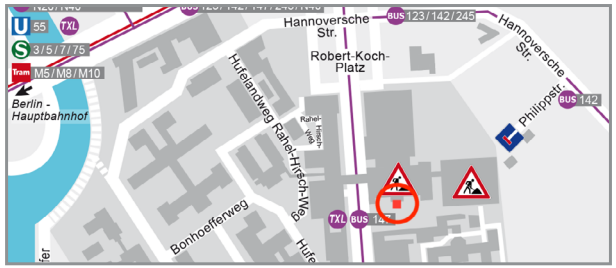
Dr. med. Julia Onken
Consultant at the Department of Neurosurgery,
Charité - Universitätsmedizin Berlin

PD Dr. Thomas Picht*
Head of the Image Guidance Lab,
Charité - Universitätsmedizin Berlin

Partners

IGL
Image Guidance Lab

*scientific director



Location

Operation theatre and seminar rooms,
Campus Charité Mitte, 10117 Berlin
Luisenstraße 64 | Room 15003 (15th floor)

Arrival

with public transportation
S+U Berlin-Hauptbahnhof (S5/S7/S75/S9)
U Naturkundemuseum (U6)
U Oranienburger Tor (U6)
S+U Friedrichstr. (S1/S2/S5/S7/S75/S9/U6)

Please note that Berlin-Mitte doesn't provide a great number of parking spaces. Therefore, using the city's public transportation system would definitely be a good alternative. If you decide to travel via public transportation, we recommend using www.bvg.de for planning your route.

Host

Charité Universitätsmedizin Berlin
Berliner Simulations- und Trainingszentrum
Charitéplatz 1 | 10117 Berlin
Contact person: Christine Thol
berliner-simulationstraining@charite.de
Tel. +49 30 450 531 229
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Registration

via E-Mail: berliner-simulationstraining@charite.de
Online website: best.charite.de
Participant limit: 4

CHARITÉ
UNIVERSITÄTSMEDIZIN BERLIN

Berliner Simulations- & Trainingszentrum

Treatment of the eloquent brain tumor
Module 3: Surgery of eloquent brain tumors



"it's good to know, it's BeST to simulate"



Dates

05th September 2020
12th December 2020

Registration fee

750 € per Participant

Maximum training efficiency

The surgery course provides the opportunity to learn standardized procedures in a realistic setting and gives participants the chance to test and train recently developed technologies.
You will experience:

- training in the operating rooms of the Department of Neurosurgery, Charité
- procedures with real brain tissue in a realistic setting
- support by an experienced scrub nurse
- continuous feedback from experienced consultants

Our goal is to enable participants to exploit technological standard procedures to their full potential (navigation, fluorescence, CUSA etc.) and turn them into experts in the procedures' application. There will be time to test the following, new technologies and learn how to effectively use them:

- Augmented reality (Brainlab/Zeiss)
- Exoscopic surgery (Olympus/Zeiss)
- Yellow 560 (Zeiss)
- CUSA subpial dissection (Integra)

An innovative training model:

The course will take place in a fully equipped operating room. The competencies that are taught in this training unit include neurosurgical basics like indicating and planning surgery as well as practising elementary skills such as positioning, craniotomy planning and microsurgical skills. Furthermore, participants will become acquainted with the usage of navigation, augmented reality, exoscopic surgery, fluorescence and subpial dissection using the CUSA among others. The usage of novel craniocerebral dummies increases the training effect and enables flexible acquisition and training of various skills.

Competencies taught

- Positioning and craniotomy planning
- Setting up and usage of intraoperative neuronavigation
- Subpial dissection
- Application of Yellow 560 fluorescence
- Exoscopic and semi-robotic surgery

Training schedule

7.30	Registration and small breakfast
8.00	course overview and handout
8.15	introduction
	• concept of the course
	• surgery basics - planning and positioning
	• discusing different technologies
	• Operation planning for the training cases
09.00	Scenario 1 in surgery
11.00	LUNCH BREAK
12.00	Scenario 2 in surgery
14.00	COFFEE BREAK
14.30	Scenario 3 in surgery
16.30	Debriefing
17.00	END OF THE COURSE

Scenarios

1. Navigated biopsy (Varioguide™)
2. subpial tumor resection (with yellow fluorescence)
3. transsulcal tumor resection (with augmented reality)