



Operative Cortical and Subcortical Brain Anatomy and Function - 3rd Workshop

Service of Neurosurgery
Hospital Clínico Universitario San Carlos
Universidad Complutense de Madrid

Madrid, Spain - October 16th - 18th, 2015



EANS 2015

In collaboration with:

Medtronic

Further, Together



Hospital Clínico San Carlos

SaludMadrid

Comunidad de Madrid

Purpose and Contents: This workshop will cover the brain anatomy and function necessary to plan and perform functional surgeries for brain tumors located in eloquent areas, and for functional deep brain stimulation procedures. The anatomy will be studied in cadavers using Klinger's white matter dissection technique. Also, the tools necessary to perform these operations will be practically covered, and translated into the anatomical dissections whenever appropriate, specifically transcranial magnetic stimulation (TMS), preoperative planning with tractography (DTI) and neuronavigation, cortical and subcortical stimulation and microelectrode recordings. During the workshop each pair of participants will have a cadaver brain for the dissections and one Medtronic planning station with the StealthViz/DTI software.

Course Venue

Hospital Clínico Universitario San Carlos
Profesor Martín Lagos S/N 28040 – Madrid – Spain

Organization

Prof. Juan A. Barcia MD, PhD
EANS 2015 Chairman & Chief of the of Neurosurgery
Hospital Clínico Universitario San Carlos
Universidad Complutense de Madrid

Course Secretariat

Barceló Congresos
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Workshop Fee

By September 10th, 2015: 950€
From September 11st, 2015: 1020€
(All prices include 21% VAT)
Workshop fee includes lectures, materials, cadaver workshop, DTI workstations and meals. Full refund is paid in case of cancellation prior to September 16th, 2015. Payment by bank transfer.

Application

The workshop is limited to 14 participants. Allocation is based on a first-come first-served basis. For application for attendance please email Sandra Heffern:
sandra.heffern@medtronic.com

Faculties

Prof. J.A. Barcia
Chief of Neurosurgery Hospital Clínico Universitario San Carlos
Prof. PD Dr. S. Wolfsberger
Dept. of Neurosurgery, Medical University of Vienna
Dr. J.A. Linera
Dept. of Radiology, Hospital Ruber Internacional
Dr. J. AVECILLAS
Dept. of Neurosurgery Hospital Clínico Universitario San Carlos
Dr. S. Gil-Robles
Dept. of Neurosurgery Hospital Quirón Madrid
Dr. J. Martino
Dept. of Neurosurgery Hospital Universitario Marqués de Valdecilla
Dr. Pablo González
Dept. of Neurosurgery Hospital Universitario de Alicante

Workshop supervisors:

Dr. Kita Sallabanda, Dra. Rebeca Pérez-Alfayate, Dra. Ángela Carrascosa, Dra. Carla Fernandez Garcia, Dr. Fernando Rascón, Dr. Osman Salazar and Dr. Albert Trondin
Dept. of Neurosurgery Hospital Clínico Universitario San Carlos

Accomodation

Barceló Congresos, as the Technical Secretariat, offers you the possibility to book your accommodation and benefit from the exclusive negotiated rates during the dates of the Course.
If you would like to select from all city hotels you can book through the accommodation search engine on the Course website. Best rates are guaranteed.

Course Program

Day 1 – Friday, 16th October 2015

- 12:00h. Welcome lunch

12:45h. Welcome
Prof. J.A. Barcia (15min)

13:00h. Lecture: DTI and tractography: technique and applications
Dr. J.A. Linera (45min)

13:45h. Lecture: Radiologic anatomy of gyri and sulci and clinical applications
Prof. J.A. Barcia (45min)

14:30h. *Lecture: Use of tractography in awake surgery*
Dr. S.Gil-Robles (45min)

15:15h. Coffee break (15min)

15:30h. Workshop: Brain surface segmentation using Steathviz
Dr. J. AVECILLAS (90min)

17:00h. Workshop: Brain surface giry and sulci dissection
Dr. S. Gil-Robles (120min)
- 13:00h. Workshop: Subcortical fiber tract dissection, lateral aspect
Dr. J. Martino (90min)

14:30h. Lecture: Hemispheric fiber tracts anatomy, medial aspect
Prof. S. Wolfsberger (60min)

15:30h. Coffee break (15min)

15:45h. Workshop: Subcortical fiber tract dissection, medial aspect
Prof. S. Wolfsberger (120min)

Day 3 – Sunday, 18th October 2015

- 09:00h. Lecture: Clinical applications of deep brain targeting using DTI
Prof. J.A.Barcia (60min)

10:00h. Coffee break (15min)

10:15h. Workshop: Fiber tract reconstruction for deep brain stimulation using Stealthviz
Dr. J. AVECILLAS (105min)

12:00h. Lunch (60min)

13:00h. Lecture: Diencephalic fiber tracts anatomy and dissection technique
Dr. P. González (45min)

13:45h. Lecture: Brainstem fiber tracts anatomy
Dr. P. González (45min)

14:30h. Workshop: Brainstem fiber tract dissection
Dr. P. González (120min)

Day 2 – Saturday, 17th October 2015

- 09:00h. Lecture: Hemispheric fiber tracts anatomy, lateral aspect
Dr.J.Martino (60min)

10:00h. Coffee break (15min)

10:15h. Workshop: Subcortical fiber tract reconstruction using Stealthviz
Dr. J. AVECILLAS (90min)

12:00h. Lunch (60min)