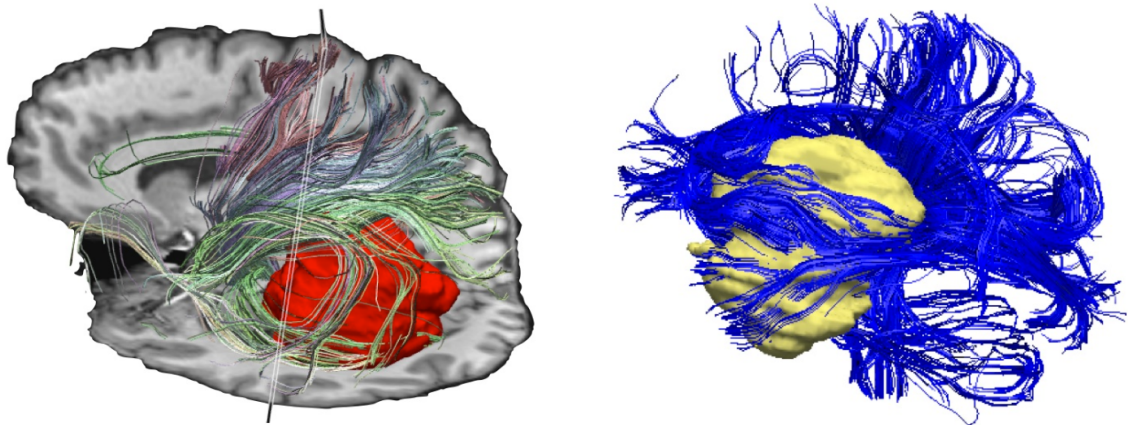


Oxford Subcortical 3D Anatomy and
White Fibre Dissection Course
21st -23rd March 2016

Medtronic

Course Venue: Oxford University Anatomy Lab and Sherrington
library lecture theatre, Oxford University, UK



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Oxford Subcortical 3D Anatomy and White Fibre Dissection Course, 21st to 23rd March 2016

PURPOSE AND CONTENT:

This is the 1st White Fibre dissection course in the UK. It is a comprehensive course covering the cortical and subcortical white fibre anatomy in 3D with lectures and hands on cadaver dissections. The course will cover clinical applications of DTI during awake surgery for intrinsic gliomas and deep brain stimulation. Each participant has a cadaver brain and one Medtronic planning station with the StealthViz/DTI planning software.

COURSE DIRECTOR:

Mr Puneet Plaha MS MD FRCS (SN), Consultant Neuro oncology surgeon
Oxford University Hospitals

FACULTY:

Mr Puneet Plaha
Consultant Neuro oncology surgeon, University Hospital, Oxford

Prof Stefan Wolfsberger
Dept. of Neurosurgery, University of Vienna

Dr Juan Martino
Dept. of Neurosurgery, Hospital University Marqués de Valdecilla

Dr Pablo Gonzalez
Dept. of Neurosurgery, Hospital University of Alicante

Mr Richard Stacey
Dept. of Neurosurgery, University Hospital, Oxford

Mr Sanjeeva Jeyaretna
Dept. of Neurosurgery, University Hospital, Oxford

Dr Aygul Wurzer
Dept. of Neurosurgery, University of Vienna

Dr Natalie Voets
Senior Research Fellow, FMRIB Imaging centre, University of Oxford.

Mr Alex Green
Dept. of Neurosurgery, University of Oxford

COURSE SUPERVISORS:

Vivien Shaw (Anatomy Lab in charge, University of Oxford), *Medtronic StealthViz team*

COURSE PROGRAM:

DAY-1: Monday, 21st March 2016

12:00 noon - Registration and Lunch

12:45 pm - Welcome address – ***Puneet Plaha***

1:00 pm - **3-D** Cortical surface and sulci anatomy – ***Richard Stacey/Sanjeev Jeyaretna***

1:45 pm - Principles of Diffusion Tractography – ***Natalie Voets***

2:15 pm - Applications of DTI in Neurosurgery – ***Puneet Plaha***

3:00 pm - Coffee Break

3:15 pm - Hands on Lab Dissection - Cortical sulci and Gyri – ***Stefan Wolfsberger and faculty***

4:45 pm - Coffee Break

5:00 – 6:00 pm – Medtronic StealthViz - Basics and brain segmentation – ***Aygun Wurzer and faculty***

7:30 pm - ***Dinner at Malmaison, Oxford***

DAY-2: Tuesday, 22nd March 2016

8:00 am - **3-D** Lateral Hemisphere and Subcortical anatomy – ***Juan Martino***

9:30 am - Coffee break

9:45 am - Hands on Lab Dissection – Lateral surface and subcortical – ***Juan Martino and faculty***

12: 00pm - Lunch

1:00pm - Medial Hemisphere and Subcortical anatomy - ***Stefan Wolfsberger***

1:45pm - Hands on Lab Dissection – Medial surface and subcortical – ***Stefan Wolfsberger and faculty***

3:45 pm - Coffee Break

4:00 – 5:30 pm Medtronic StealthViz - Subcortical fibre tract reconstruction – ***Puneet Plaha and Aygun Wurzer***

7:00- 9:30 pm – Course ***Dinner, Exeter College Dining Hall, Oxford University***

DAY-3: Wednesday, 23rd March 2016

8:00 am - **3-D** Diencephalic and Brain stem Fibre tracts - ***Pablo Gonzalez***

9:00 am - **3-D** Phylogenetic evolution of Human White Matter and surgical implications - ***Pablo Gonzalez***

9:45 am - Deep brain stimulation and DTI – ***Alex Green***

10:15 am - Coffee Break

10:30 am - Lab dissection – Diencephalic and brainstem Fibre tracts dissection – ***Pablo Gonzalez and faculty***

1:00 pm - Lunch

2:00 pm - Medtronic StealthViz - Subcortical Fibre tract reconstruction – ***Puneet Plaha and Aygun Wurzer***

3:30 pm - Closing Remarks and Feedback – ***Puneet Plaha***

APPLICATION:

The workshop is limited to 10 participants. For application of attendance please email Puneet.Plaha@ouh.nhs.uk

WORKSHOP AND COURSE FEE:

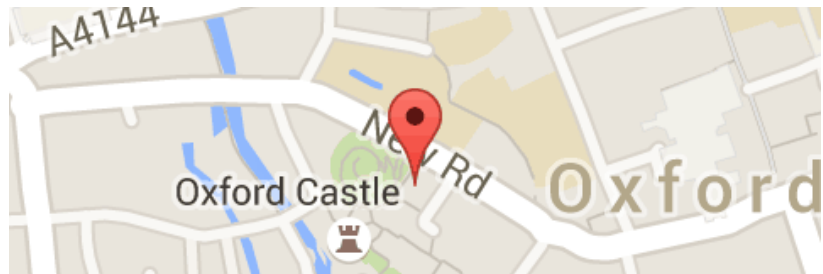
Each participant £1200

This includes lectures, materials, cadaver workshop, DTI workstations and meals including course dinner.

COURSE LANGUAGE:

English

ACCOMODATION:



Address: Malmaison, Oxford Castle, 3 New Rd, Oxford OX1 1AY

Set in a former prison within a medieval castle, this sophisticated hotel is adjacent to Nuffield College and an 8-minute walk from the University Anatomy department.