

Image Verified Deep Brain Stimulation Surgery

Maximizing the use of imaging in DBS surgery

October 15 and 16, 2018

London, United Kingdom



Course Director

Mr. Ludvic Zrinzo

Faculty

Prof. Patricia Limousin

Dr. Anastasia Papadaki

Accreditation

An application for accreditation has been submitted with Royal College of Surgeons of Edinburgh, recognition number RCSEd02007

Monday, October 15, 2018

Venue: National Hospital for Neurology & Neurosurgery, Unit of Functional Neurosurgery

9:00 **Welcome & introduction** - Mr. Zrinzo

Welcome to the course, ECMT introduction video

9:15 **Principles of MRI-guided and MRI-verified surgery** - Mr. Zrinzo

10:00 **MRI-verified DBS: The neurologist's perspective** - Prof. Limousin

10:45 Coffee break

11:00 **Optimizing MR sequences for DBS surgery** - Dr. Papadaki

11:45 **Safety briefing for observing the iMRI interventions the following day**

11:45 Open discussion - All

12:00 Lunch

13:30 **Clinicians attend multidisciplinary meeting around patient selection** - Clinicians

Room 4, 2nd floor, Royal Hospital of Integrated Medicine

13:30 **Radiology/MR physicists discuss optimizing imaging protocols and experience of MRI with implanted hardware in further detail** - Radiologists and MR physicists

17:00 End of program day 1

18:00 Group dinner

Tuesday, October 16, 2018

Venue: National Hospital for Neurology & Neurosurgery, Unit of Functional Neurosurgery

8:00 **Delegates attend surgery to observe principles & practice of MRI verified DBS surgery**

In depth discussion of MRI guided targeting and image verification of lead location in 2 patients undergoing DBS surgery

16:00 End of program