

Ultrasound In Neurosurgery

Training Course

21st and 22nd February 2019

INTRODUCTION

Neuro-navigation is now standard armamentarium in every-day use but has the limitation of relying on pre-operative imaging and thus not providing real time imaging. Interpretation of ultrasound is difficult and has limited its use in neurosurgery. With refinement of image quality, the ability to fuse with CT/MRI navigation and improvement in understanding the interpretation of images makes the use of ultrasound a very important tool.

This hands-on course aims to provide a comprehensive overview and training in the use of ultrasound in all aspects of neurosurgery, ranging from cranial to spinal cases, as well it's use in diagnostics (LP, TCD) and therapeutic procedures for pain (e.g. cervical nerve root block) .

SUITABILITY

This course is suitable for trainees, non-trainees (ST1-8 equivalent) and junior consultants.

VENUE

Centre for Professional Development, Medical School, University of Birmingham

REGISTRATION

For registration go to: <http://www.neurosurgeryultrasound.com>

COURSE FEES - 2 days (includes course dinner 21st Feb, accommodation not included)

Early Bird Fees (until 31st December 2018) £300

Standard Fees £350

OBJECTIVES of the course

- Setting up the ultrasound
- Principles and physics of ultrasound
- Image interpretation
- Neuro-oncology / Vascular / Spine / CSF cases
- Procedural training – lumbar puncture, TCD, EVD/shunt insertion
- Ultrasound guided spinal injections for pain
- Integration with neuro-navigation
- MR guided focused ultrasound



Course Director:	Mr Ismail Ughrtdar (Consultant Neurosurgeon) Mr Athanasios Zisakis (Neuro – Oncology Fellow)
Course Organisers:	Mr Pietro D’Urso (Consultant Neurosurgeon) Mr Ahmad Moussa (Consultant Neurosurgeon) Mr Bassel Zebian (Consultant Neurosurgeon)
Course Facilitator	Miss Attyah Ghuari (Senior Neuro-Theatre technician)

CPD Accreditation applied for