



Preliminary Programme

Intra-operative Ultrasound and Imaging in Brain Tumor Surgery Workshop

Date: 4 December 2023

Time: 08h00 -16h00

Venue: CTICC

08h00 – 08h30 Registration

08h30 – 08h50 Basic principles, sonographic anatomy and indications for IOUS in Neurosurgery – *A Moiyadi*

08h50 – 09h10 IOUS in glioma surgery – *G Unsgard*

09h10 – 09h30 IOUS in hydrocephalus, craniosynostosis and neuroendoscopy – *M Schuhmann*

09h30 – 09h50 Imaging in Brain Tumors – *P Pretorius*

09h50 – 10h10 Advanced MRI Techniques for planning in Brain Tumor Surgery – *N Voets*

10h15 – 10h30 Tea Break

10h30 – 10h50 Ultrasound for non-invasive assessment of ICP – *L.Padayachy*

10h50 – 11h10: Navigated and 3D Ultrasound – *F Di Meco*

11h10 – 11h30: Multiparametric IOUS imaging – Contrast-enhancement, elastography, strain measurement – *F Prada*

11h30 – 11h50 Advances in ultrasound-based navigation – *A Golby*

11h50 – 12h30: Simulation training in Ultrasound – *A Perin*

12h30 – 13h30 Lunch

13h30 – 16h00 Hands-on session (all faculty)