

Mater Advanced Epilepsy Unit Fellowship announcement

The Mater Advanced Epilepsy Unit is the first level 4 epilepsy centre in Queensland, specialising in Stereo-EEG (intracranial EEG) for patients with refractory epilepsy. Clinical activity and monitoring commenced in July 2015 and we are now fully accredited for a fellowship position by ANZAN.

The Mater Advanced Epilepsy Unit is a tertiary referral centre that would provide the successful candidate with the opportunity to gain experience in all aspects of epilepsy management including a strong clinical focus on epilepsy surgery and Stereo-EEG.

The fellowship provides exposure to a wide array of patients in the outpatient clinic and on the ward. The fellow would learn about AEDs and how to treat specific conditions as well as gain exposure to a large number of complex epilepsy cases.

There would be rigorous training in EEG and advanced neurophysiology. All EEG studies are supervised on a one-one basis directly by the consultant who signs off all the studies after careful review. The Fellow will progress from routine EEGs, to Video EEG telemetry, ICU EEG and finally invasive Stereo EEG.

Stereo EEG methodology requires the understanding of functional neuroanatomy, networks and seizure semiology for which there would be extensive and comprehensive training and review.

In addition, the fellow would be trained in interpretation of medical imaging (MRI, SPECT, FDG-PET) as well as WADA testing and intraoperative speech and motor mapping with ECoG.

Further skills would be from cortical stimulation and CCEPs (a novel brain mapping technique in Australia). The fellow would also assist in mapping the trajectories for SEEG implantation on the ROSA robotic surgical assistant with the consultant epileptologist and neurosurgeon.

Twice weekly teaching multidisciplinary ward rounds are performed, where each Video EEG case is analysed for semiology, EEG findings and discussed in detail.

Fellows would be expected to present at the weekly multi-disciplinary team epilepsy surgery meeting as well as at our monthly International Epilepsy Surgery conference. We expect a successful candidate to submit at least 2 publications within the fellowship year.

Enquires

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