



# SANAMI

Sydney Acoustic Neuroma and Meningioma Institute

## Brain Tumour Excision

The group has widespread experience in surgery for brain tumours. The charity that was formed by the group, Sydney Neuro-Oncology Group, is in the process of collecting all the relevant data on neuro-oncology patients and entering this into its comprehensive database linked to the Australasian Brain tumour bank, which it established 8 years ago. The group has a huge input into the Kolling Institute through Royal North Shore and its attachment with the University of Sydney involved in the supervision of PhD students doing research into causation and treatment of brain tumours. The group has a very broad and wide experience of all the surgical techniques in removing the most complex brain tumours from the adult brain. It has at its access the latest equipment including stereotactic navigation, ultrasound aspiration, and Zeiss microscope along with dedicated theatre personnel who on average would operate on 6 brain tumours every week. The group has as an active awake functional resection of brain tumours in eloquent areas, a technique not widely adopted in Sydney but quite popular in many cities around the world who deal with complex brain tumours. The group has at its disposal the latest in MR imaging with 3 MR's on the North Shore campus including 3Tesla capacity.

It is actively developing functional MRI scans for localization of eloquent brain areas prior to awake surgery. Having had such a high through put of brain tumours allows the group to perform quite complex neurosurgical procedures as a routine within the group members. The group has forged a very close association with neuro-oncology to form an extremely busy neuro-oncological service, a service that is often referred to from outside the confines of the North Shore Area Health Service.

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