



## **POSITION DESCRIPTION**

Position Title: Cerebrovascular Fellow  
Reports To: Supervisor of Training  
Division: Faculty of Medicine, Health and Human Sciences  
Unit: Macquarie Neurosurgery  
Location: Macquarie University, Sydney

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Macquarie Neurosurgery is one of Australia's largest academic neurosurgery groups. It includes nine neurosurgeons who are dedicated to not only perfecting their clinical and neurosurgical skills, but also educating future neurosurgeons and leading breakthrough research. We have subspecialty interests in vascular neurosurgery, complex spine surgery, tumours, and syringomyelia and Chiari malformation. Working at Macquarie University Hospital, we have access to the latest technology including high-resolution neurosurgical microscopes, state-of-the-art imaging, onsite neuroradiology and the revolutionary Gamma Knife.

## **GENERAL SUMMARY OF POSITION:**

The role is to provide safe, effective clinical and surgical care to the patients of Macquarie Neurosurgery and Macquarie University Hospital under the supervision of specialist staff whilst undertaking learning and professional development activities. The fellow will be responsible for coordinating the weekly MDT meeting where management of complicated vascular cases are discussed. He/she will assist the consultant staff, with a focus on cerebrovascular neurosurgery. This will include managing outpatients in the clinic setting, managing neurosurgical inpatients, and assisting at neurosurgical operations. The successful candidate will also have the opportunity to participate in outreach clinics at various locations in NSW, as well as contribute to educational activities within Macquarie Neurosurgery and Macquarie Hospital.

## **SPECIFIC JOB RESPONSIBILITIES:**

### **Clinical duties**

- Deal proficiently with the full range of neurosurgical cases management, with a focus on vascular cases, under the supervision and direction of the senior consultant team. Includes the diagnosis and management of a wide range of cerebrovascular disorders, including cerebral aneurysms, arteriovenous malformations (AVMs), and Moyamoya disease
- Technical procedures expected to be performed competently: surgical procedures commensurate with the Doctor's level of training. Including opening and closing neurosurgical operations, and key components of neurosurgical operations under direct supervision in learning situations
- Collate patient information for presentation at clinical meetings, quality assurance meetings, and audits
- Compulsory attendance at Mortality and Morbidity meetings every 4 weeks
- Perform ward rounds every assigned day and time as per clinical timetable

### **Research and Teaching**

- Contribute to the clinical research programs at Macquarie University and to teach junior medical staff and allied health staff

### **Education and Training**

- Contribute to the development of the unit – both medical and non-medical – through participation in clinical research projects, preparation of articles and/or educational events
- Continuously improve their vascular neurosurgery knowledge
- Attend all academic meetings chaired by MQN
- Coordinate and prepare Multi-Disciplinary Team (MDT) meetings on a weekly basis for complicated vascular cases
- Prepare and deliver Lunch and learn talks to non-medical MQN team on a rotational basis on a specific neurosurgery topic

### **KNOWLEDGE, SKILLS AND ABILITIES:**

- Strong work ethic
- Solid team player and positive mindset
- Excellent interpersonal skills and active listener
- Can-do attitude and pro-activity
  
- Current registration as a medical practitioner in Australia (or ability to obtain – including English language requirements)
- Demonstrated interest in vascular neurosurgery
- Demonstrated experience in managing neurosurgical patients
- Demonstrated understanding of the patient's perspective and ability to communicate key information to the patient and carers
- Demonstrated interest and aptitude for delivery of educational activities
- Demonstrated high interest in neurosciences including major international trends, recent developments and improvements
- A strong commitment to multidisciplinary approaches to clinical care and ability to work as part of a team.