WHAT KIND OF PATIENTS NEED TO SEE A SKULL BASE NEUROSURGEON?

Professor Stoodley is head of neurosurgery at Macquarie University Hospital and the Faculty of Medicine and Health Sciences. Professor Stoodley’s clinical subspecialty qualification is in neurovascular surgery. In addition to managing aneurysms and vascular malformations, he has become an Australian leader in cerebral bypass surgery, especially in the treatment of moyamoya disease and other occlusive disorders. In addition to his neurovascular expertise, Professor Stoodley is recognised internationally for clinical management of Chiari malformation, syringomyelia, and spinal cord tumours. He graduated with honours from the University of Queensland Medical School.

Dr. Fuller graduated from the University of New South Wales in 1987. He undertook neurosurgical training in Sydney at the Prince of Wales, Sydney Children’s and Prince Alfred Hospitals obtaining his RACS Fellowship in Neurosurgery in 1996. Dr. Fuller has joined Macquarie Neurosurgery to combine his subspecialty interest in surgical neuro-oncology with radiosurgery as Neurosurgical Director of the Gamma Knife radiosurgery and continued to perform emergency base surgery in 2014 at the St. Michael’s Hospital, University of Toronto, where he also gained further experience in the Gamma Knife radiosurgery and continued to perform emergency neurosurgery in one of the largest trauma centres of Ontario, Canada. He gained his fellowship with the Royal Australasian College of Surgeons in 2002 and specialisation in Neurosurgery in 2007. He was a consultant neurosurgeon in Milan from 2007 to 2009, mainly involved in the treatment of brain and pituitary tumours, working closely with ENT and cranio maxillofacial surgeons, oncologists and radiation oncologists. Associate Professor Di Ieva completed a 3-year clinical & research fellowship in skull base surgery in 2014 at the St. Michael’s Hospital, University of Toronto, where he also gained further experience in the Gamma Knife radiosurgery and continued to perform emergency neurosurgery in one of the largest trauma centres of Ontario, Canada. He gained his fellowship with the Royal Australasian College of Surgeons (RACS) in 2017. He joined Macquarie Neurosurgery as a Consultant Neurosurgeon in 2017 and Macquarie University as an Associate Professor in 2018.

CHIARI MALFORMATION AND SYRINGOMYELIA

Dr. Andrew Davidson is a neurosurgeon at Macquarie University Hospital. His clinical interests include the multidisciplinary management of brain tumours, pituitary and skull base surgery (including minimally invasive and endoscopic surgery), and cerebrovascular surgery. He has been the Macquarie University Tumour Program Lead since its inception in 2012 and is Chair of the Neuro-oncology and Pituitary Multi-Disciplinary Teams (MDT). Dr. Davidson consults at four locations within Sydney – at Macquarie University, Penrith, Bella Vista, and the CBD. He manages the entire range of neurosurgical conditions, including tumours of the brain & spine, vascular disorders of the brain & spine (aneurysms, AVMs, and cavernomas), trauma, hydrocephalus, and degenerative spine conditions.

WHAT’S NEW IN THE MANAGEMENT OF BRAIN TUMOURS?

Dr. John Fuller

Dr. Fuller graduated from the University of New South Wales in 1987. He undertook neurosurgical training in Sydney at the Prince of Wales, Sydney Children’s and Prince Alfred Hospitals obtaining his RACS Fellowship in Neurosurgery in 1996. Dr. Fuller has joined Macquarie Neurosurgery to combine his subspecialty interest in surgical neuro-oncology with radiosurgery as Neurosurgical Director of the Gamma Knife Surgery Program. This is in addition to maintaining his expertise in complex spinal surgery, including spinal oncology. He is a member of the Neurosurgical Society of Australasia and the Royal Australasian College of Surgeons.

AN INTRODUCTION TO GAMMA KNIFE