



Dr Michael Stuart

Clinical Instructor, Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Neurosciences Clinic**

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Bio

BIO

Dr Stuart is an Australian trained adult and pediatric neurosurgeon working as a Clinical Instructor in Cerebrovascular Neurosurgery under Professor Gary Steinberg.

Dr Stuart completed medical school in Australia at James Cook University, followed by an Australian neurosurgical residency across multiple centres in the Binational Australian neurosurgical training program. Following residency he completed a fellowship in pediatric neurosurgery at the Queensland Children's Hospital in Brisbane, Australia. Prior to Stanford he worked as an attending neurosurgeon at the Queensland Children's Hospital and Townsville University Hospital.

CLINICAL FOCUS

- Neurosurgery

ACADEMIC APPOINTMENTS

- Clinical Instructor, Neurosurgery

PROFESSIONAL EDUCATION

- Board Certification: Neurosurgery, Royal Australasian College of Surgeons
- Residency: Royal Australasian College of Surgeons (2024) Australia
- Fellowship: Queensland Children's Hospital Australia
- Internship: Princess Alexandra Hospital (2015) Australia
- Medical Education: James Cook University College of Medicine and Dentistry (2013)
- PFET(Pediatric Neurosurgery), Post Fellowship Education and Training Program: Neurosurgical Society of Australasia , Pediatric Neurosurgery (2025)
- FRACS (Neurosurgery), Fellowship of the Royal Australasian College of Surgeons , Neurosurgery (2024)
- MBBS (Hons), James Cook University (2013)

Publications

PUBLICATIONS

- **Occurrence of hemorrhage or radiological progression of residual cerebral arteriovenous malformations after incomplete surgical resection.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Stuart, M. J., Campbell, R. A., Steinberg, G. K.
2026; 151: 112119
- **Prognostic Nuances in the Microsurgical Resection of Arteriovenous Malformations in Areas of Critical Brain Function: A 25-Year Retrospective Cohort Study.** *Neurosurgery*
Stuart, M. J., Steinberg, G. K.
2026
- **The Future of Patient-Centered Hydrocephalus/Shunt Care and Research: The Missing Middle.** *World neurosurgery*
Stuart, M. J.
2026; 210: 124965
- **Functional preservation after microsurgical resection of eloquent AVMs is related to eloquence subtype**
Stuart, M., Steinberg, G.
LIPPINCOTT WILLIAMS & WILKINS.2026
- **Association of rurality with reduced shunt survival in child and young adult hydrocephalus: a prospective nationwide cohort from the Australasian Shunt Registry.** *Journal of neurosurgery. Pediatrics*
Stuart, M. J., Wray, A., Dexter, M., Campbell, R. A.
2026: 1-6
- **Are microsurgical techniques still indicated for posterior circulation aneurysms? A 10-year longitudinal analysis of clinical and radiological outcomes in the post-endovascular era** *NEUROSURGICAL FOCUS*
Sreenivasan, S. A., Stuart, M. J., Jain, R. P., Steinberg, G. K.
2025; 59 (6): E16
- **Elective intraperitoneal procedures do not adversely impact paediatric ventriculoperitoneal shunt survival: 10-year retrospective cohort study.** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*
Hoy, T., Harbison, A. M., Campbell, R. A., Coulthard, L. G., Colbran, R. E., Stuart, M. J.
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- **Infant life-threatening accidental head injury from 45 cm fall causing traumatic dissecting aneurysm and delayed rebleeding.** *Journal of forensic and legal medicine*
Skellern, C., Stuart, M.
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- **The effect of institutional learning curve on paediatric ventricular shunt survival: a retrospective cohort study from a new paediatric neurosurgical centre.** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*
Stuart, M. J., Htike, S., Harbison, A. M., Ruder, T., Jardim, A. J., Ma, N., Coulthard, L. G., Campbell, R. A.
2025; 41 (1): 262
- **Letter: Neurosurgical Endovascular Credentialing in Europe and the United Kingdom for the "Complete" Neurovascular Surgeon: The Time has Come.** *Neurosurgery*
Stuart, M. J., Ekanayake, J., Sreenivasan, S., Steinberg, G. K.
2025
- **Case report: diagnostic challenges of primary central nervous system anaplastic large cell lymphoma, ALK-positive** *CHILDS NERVOUS SYSTEM*
Weaver, A. E., Williamson, T. J., Iyengar, K. R., Campbell, R. A., Stuart, M. J.
2025; 41 (1): 241
- **In Reply: Clipping of Intracranial Aneurysms by Neurosurgical Trainees Is Safe and Effective: Statewide Retrospective Review of 638 Consecutive Cases in Queensland, Australia.** *Neurosurgery*
Stuart, M. J., Jayalath, R., Pattavilakom Sadasivan, A., Coulthard, L. G.

2025

- **In Reply: Clipping of Intracranial Aneurysms by Neurosurgical Trainees Is Safe and Effective: Statewide Retrospective Review of 638 Consecutive Cases in Queensland, Australia.** *Neurosurgery*
Stuart, M. J., Jayalath, R., Pattavilakom, A., Coulthard, L. G.
2025
- **Endoscopic Third Ventriculostomy for Hydrocephalus Management in Patients With Vein of Galen Malformations: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Stuart, M. J., Campbell, R.
2025
- **Cauda equina syndrome and severe lumbar-sacral radiculopathy in general practice: Finding the needle in the haystack.** *Australian journal of general practice*
Stuart, M. J., Burnett, A., Webster, J. D.
2025; 54 (7): 439-443
- **Time to treatment and outcomes for aneurysmal subarachnoid haemorrhage in metropolitan versus remote areas: A Queensland population analysis.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Yates, C. F., Harbison, A., Stuart, M., Roeland, D., Coulthard, L. G.
2025; 138: 111385
- **Clipping of Intracranial Aneurysms by Neurosurgical Trainees Is Safe and Effective: A Statewide Retrospective Cohort of 614 Consecutive Cases in Queensland, Australia.** *Neurosurgery*
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2025
- **Hydrocephalus temporisation with ventricular reservoir or trans-fontanelle ventricular taps for intraventricular haemorrhage of prematurity: A retrospective cohort study.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Stuart, M. J., Burnett, A., Coulthard, L. G., Cunningham, P. S., Birch, P., Campbell, R. A., Harbison, A. M., Vonhoff, C. R.
2025; 136: 111225
- **The utility of routine intraoperative CSF during ventricular shunt insertion: a 10-year retrospective cohort study.** *Journal of neurosurgery. Pediatrics*
Stuart, M. J., Harbison, A. M., Ruder, T., Hackney, J., Jardim, A. J., Ma, N., Campbell, R. A., Coulthard, L. G.
2025; 35 (4): 338-344
- **The risks of omitting routine postoperative imaging after insertion of new ventricular shunts in children: a 10-year retrospective cohort study.** *Journal of neurosurgery. Pediatrics*
Stuart, M. J., Harbison, A. M., Ruder, T., Hackney, J., Ma, N., Campbell, R. A., Jardim, A. J., Coulthard, L. G.
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- **Validation of data capture in the Australasian shunt registry with a prospectively maintained institutional database.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Stuart, M. J., Wray, A., Dexter, M., Campbell, R. A.
2025; 135: 111179
- **Synchronous intracranial arteriovenous malformation and papillary glioneuronal tumour: hypothesis or reality?** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*
Stuart, M., Burnett, A., Robertson, T., Harbison, A., Coulthard, L., Campbell, R.
2024; 40 (12): 4329-4333
- **Monitoring the impact of cancer for Queenslanders: A comprehensive review of lung, pancreas, Merkel cell, and brain cancer**
Walpole, E., Allen, M., Burmeister, B., Sanmugarajah, J., Walker, R., Chan, B. A., Clark, J., Youlden, D., Dhanda, P., Dunn, N., Lehman, M., Bolton, A., Windsor, et al
WILEY.2024: 112
- **Lost in Transition: the burden of brain tumors in the adolescent and young adult (AYA) population**
Walker, R., Buckley, L., Stuart, M., Coulthard, L., Green, L., Harbison, A., Kusukuntla, S., Kurth, E., Cossio, D., Campbell, R. A.
WILEY.2024: 114

- **Technical note: durable resolution of hydrocephalus after ultrasound-guided percutaneous fenestration of giant suprasellar arachnoid cyst in a neonate** *CHILDS NERVOUS SYSTEM*
Stuart, M. J., Yoon, J., McEniery, J., Jardim, A. J., Vonhoff, C.
2024; 40 (12): 4279-4282
- **Ten-year statewide cross-sectional review of pediatric sinogenic intracranial abscess and empyema in Queensland, Australia: microbial profile before and after COVID-19** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
Stuart, M. J., Harbison, A. M., Ma, N., Campbell, R. A. J., Jardim, A. J., Anderson, D. S., Withers, T. K., Coulthard, L. G.
2024; 34 (5): 489-494
- **General surgeon performed emergency craniotomies in regional Queensland hospitals: a 20-year state-wide study on patient outcomes.** *ANZ Journal of surgery*
Kelly, M. L., Stuart, M., Zouki, J., Long, B., Sabat, N., Clark, C. R., Donaldson, E., Colbran, R. E.
2024; 94 (4): 585-590
- **Systematic review and meta-analysis of external ventricular drain placement accuracy and narrative review of guidance devices** *JOURNAL OF CLINICAL NEUROSCIENCE*
Stuart, M. J., Antony, J., Withers, T. K., Ng, W.
2021; 94: 140-151
- **Orthogonal external ventricular drain (EVD) trajectory from burr holes sited by junior neurosurgical staff is superior to freehand placement: An in-silico model** *JOURNAL OF CLINICAL NEUROSCIENCE*
Stuart, M. J., Mehigan, B., Colbran, R. E., Withers, T. K., Ng, W.
2021; 94: 65-69
- **Comment on: remote site haemorrhage after intracranial surgery: is it really benign?** *BRITISH JOURNAL OF NEUROSURGERY*
Stuart, M., Tsahtsarlis, A., Amato, D., Pattavilakom, A.
2016; 30 (5): 593
- **A meta-analysis of chemokines in major depression** *PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY*
Eyre, H. A., Air, T., Pradhan, A., Johnston, J., Lavretsky, H., Stuart, M. J., Baune, B. T.
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- **Routine multidisciplinary cerebrovascular meetings do not reduce aneurysm clipping case load: a cohort study** *ANZ JOURNAL OF SURGERY*
Davis, B. W., Stuart, M. J., Jayapratap, P., Hall, B. I.
2016; 86 (7-8): 594-597
- **Remote cerebellar haemorrhage from site of craniotomy: A report of two cases** *BRITISH JOURNAL OF NEUROSURGERY*
Stuart, M., Tsahtsarlis, A., Amato, D., Pattavilakom, A.
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- **Systematic review of the neurobiological relevance of chemokines to psychiatric disorders** *FRONTIERS IN CELLULAR NEUROSCIENCE*
Stuart, M. J., Singhal, G., Baune, B. T.
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- **Clinically relevant aspects of stem cell technologies: current state of play** *ANZ JOURNAL OF SURGERY*
Stuart, M. J., Pattavilakom, A.
2015; 85 (9): 615-619
- **A phase-specific neuroimmune model of clinical depression** *PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY*
Eyre, H. A., Stuart, M. J., Baune, B. T.
2014; 54: 265-274
- **Chemokines and chemokine receptors in mood disorders, schizophrenia, and cognitive impairment: A systematic review of biomarker studies** *NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS*
Stuart, M. J., Baune, B. T.
2014; 42: 93-115

- **Knockout of CXCR5 increases the population of immature neural cells and decreases proliferation in the hippocampal dentate gyrus** *JOURNAL OF NEUROINFLAMMATION*
Stuart, M. J., Corrigan, F., Baune, B. T.
2014; 11: 31
- **Moderators of the relationship between depression and cardiovascular disorders: a systematic review** *GENERAL HOSPITAL PSYCHIATRY*
Baune, B. T., Stuart, M., Gilmour, A., Wersching, H., Arolt, V., Berger, K.
2012; 34 (5): 478-492
- **REVIEW OF STRATEGIES TO ENHANCE THE UPTAKE OF SEASONAL INFLUENZA VACCINATION BY AUSTRALIAN HEALTHCARE WORKERS** *COMMUNICABLE DISEASES INTELLIGENCE*
Stuart, M. J.
2012; 36 (3): E268-E276
- **Early career medical research in Australia: looking to the future** *INTERNAL MEDICINE JOURNAL*
Eyre, H., Stuart, M.
2012; 42 (7): 850-851
- **The relationship between subtypes of depression and cardiovascular disease: a systematic review of biological models** *TRANSLATIONAL PSYCHIATRY*
Baune, B. T., Stuart, M., Gilmour, A., Wersching, H., Heindel, W., Arolt, V., Berger, K.
2012; 2: e92
- **Depression and type 2 diabetes: Inflammatory mechanisms of a psychoneuroendocrine co-morbidity** *NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS*
Stuart, M. J., Baune, B. T.
2012; 36 (1): 658-676