

Associate Professor Michael Murphy MBBS, MD, Dip.Anat, FRACS
Presentations

SCIENTIFIC PAPERS

1. Murphy MA, Scott DA, Denton M. *Neurogenic claudication secondary to vascular disease.* Royal Australasian College of Surgeons, 1988 General Scientific Meeting, Brisbane, Australia.
2. Murphy MA, Fabinyi GCA, Berkovic SF, Kalnins R, Bladin PF. *MRI diagnosis of foreign tissue lesions causing complex partial seizures.* Neurosurgical Society of Australasia, 1991 Annual Meeting, Hobart, Australia.
3. Murphy MA, Trimble MB, Kalfas IH. *The relationship of cervical foraminal size following anterior cervical discectomy with and without a graft.* Joint Section on Disorders of the Spine and Peripheral Nerves, 1993 Annual Meeting, Tuscon, Arizona, USA.
4. Murphy MA, Barnett GH, Kormos DW, Weisenberger J. *Astrocytoma resection using an interactive frameless stereotactic wand. An early experience.* American Association of Neurological Surgeons, 1993 Annual Meeting, Boston, Massachusetts, USA.
5. Murphy MA, Awad AI, Magdinec M, Perl J, McKenize R. *Predictors of outcome of surgical intervention for cerebral aneurysms.* Eighteenth Annual Neuroscience Residents' Day, May 1993, Cleveland Clinic Foundation, Cleveland, Ohio, USA.
6. Murphy MA, Trimble MB, Piemonte MR, Kalfas IH. *Changes in cervical foraminal area following anterior discectomy with and without a graft.* Eighteenth Annual Neuroscience Residents' Day, May 1993, Cleveland Clinic Foundation, Cleveland, Ohio, USA.
7. Kalfas IH, Kormos DW, Murphy MA, McKenize R. *Intra-operative Computer Assisted Spinal Orientation.* Congress of Neurological Surgeons, 1993 Annual Meeting, Vancouver, Canada, USA.
8. Murphy MA, Rhoton RPL, Comair YG, So NK, Klem GH, Luders HO. *A Comparison between Cortical Stimulation to Map Eloquent Areas of the Cerebral Cortex and Seizure Focus.* Congress of Neurological Surgeons, 1993 Annual Meeting, Vancouver, Canada..
9. Cook MJ, O'Brien TJ, Kilpatrick C, Kaye A, Murphy M, Morris K. *Volumetric MRI hippocampal asymmetry reliably detects hippocampal sclerosis and predicts a good post-operative outcome.* Annual Meeting of the American Epilepsy Society, Baltimore, USA, December 1995.
10. Murphy M, Tyers M, Costello T, Cosolo W. *The use of intrathecal computer programmed morphine pumps in the management of patients with advanced cancer.* Clinical Oncological Society of Australia 1997 Annual Meeting, Hobart, Australia.
11. Han TF, Murphy MA, McKemie P. *Cystic Cavemous Angioma of the Cerebellum-case report and literature review.* Neurosurgical Society of Australasia 1998 Annual Meeting, Melbourne, Australia.
12. Ryan G, Tange D, Murphy M. *Base of Skull Radiotherapy Using the Relocatable GTC Frame.* International Stereotactic Radiosurgery Meeting, Sydney, Australia, February 1999.
13. Binns DS, O'Brien TJ, Murphy M, Cook MJ, Hicks RJ. *Preliminary experience of a three-dimensional, large-field-of-view PET scanner for the localization of partial epilepsy.* 30th Annual Meeting of the Australian and New Zealand Society of Nuclear Medicine, Perth, Australia, March 1999.
14. O'Brien TJ, Hicks RJ, Binns DS, Murphy M, Cook MJ. *The Clinical Usefulness of 3-D, Large-Field-Of-View PET Scanning for the Localisation of Partial Epilepsy.* Annual Scientific Meeting of the Australian Association of Neurologists, Hobart, Australia, May 1999.

15. Vogrin S, Bower S, Howe V, Murphy M, Morris K, Cook M. *Brain volume changes in hippocampal sclerosis are not related to treatment*. Annual Scientific Meeting of the Australian Association of Neurologists, Hobart, Australia, May 1999.
16. Pitman A, Binns D, O'Brien T, Murphy M, Cook M, Hicks R. *Positron Emission Tomography in Temporal Epilepsy*. 3rd Asian and Oceania Congress of Neuroradiology and Head & Neck Radiology, Adelaide, Australia, June 1999. ** Winner of Bracco Award for Best Poster Presentation
17. Murphy M, Bowden S, Bardenhagen F, Sullivan K, Howe V, O'Brien C, McKelvie P, Cook M. *Anterior Temporal Lobectomy: Neuropsychological Outcome*. 23rd International Epilepsy Congress, Prague Czech Republic, September 1999.
18. Aschman E, Vogrin S, Morris K, Murphy M, Cook M. *Widespread Cortical changes in Hippocampal Sclerosis*. 23rd International Epilepsy Congress, Prague Czech Republic, September 1999.
19. Howe V, Vogrin S, O'Brien C, Murphy M, Cook M. *Presurgical Memory Changes in TLE: No Material Specific Deficits or Relationship to Duration of Habitual Epilepsy*. 23rd International Epilepsy Congress, Prague Czech Republic, September 1999.
20. Morris K, Bardenhagen F, O'Brien TJ, Cook MJ, Murphy M.: *An Anatomical Correlation between Language Mapping by Functional MRI with that by Electrical Cortical Stimulation Mapping*. 4th Australian Functional Brain Mapping Symposium, Adelaide, Australia, October 1999.
21. Cormack JA, Costello TG, Murphy M, Jones SJ, Blyth C, Bjorksten A. *Pharmacokinetics of cisatracurium in neurosurgical patients during mild hypothermia*. St.Vincent's Hospital Research Week, Melbourne, Australia, October 1999.
22. Murphy M, O'Brien TJ, Hicks RJ, Binns DS, Cook MJ. *The Clinical Usefulness of 3-D, Large-Field-Of-View PET Scanning for the Localisation of Partial Epilepsy*. 53rd Annual Meeting of the American Epilepsy Society, Orlando, Florida, USA, December 1999.
23. Colreavy M, Baker T, Campbell M, Murphy M, Lyons B. *The Le Fort 1 Approach to the Central Skull Base*. 50th Anniversary Australian Otolaryngology-Head and Neck Society Annual Scientific Meeting, Melbourne, Australia, March 2000.
24. Morris K, Bardenhagen F, O'Brien TJ, Cook MJ, Murphy MA. *An Anatomical Correlation between Language Mapping with that by Electrical Cortical Stimulation Mapping*. American Academy of Neurology, San Diego, California, USA, May 2000.
25. Lyons B, Colreavy M, Murphy M. *Limitations of Transoral and Transfacial degloving Techniques*. Royal Australasian College of Surgeons, May 2000, General Scientific Meeting, Melbourne, Australia.
26. Murphy MA, O'Brien TJ, Cook MJ, Morris K. *Multimodality Image-Guided Epilepsy Surgery*. Royal Australasian College of Surgeons, May 2000, General Scientific Meeting, Melbourne, Australia. .
27. Stephen Bowden, Mark Cook, Fiona Bardenhagen, Michael Murphy. *Neuropsychological prediction and outcome in epilepsy surgery*. Epilepsy Society of Australia, 2000 Annual Meeting, Melbourne, Australia, November 2000. .
28. Michael A Murphy, Kevin Morris, Mark J Cook, Terence J O'Brien. *Functional MRI, can the surgeon trust it intraoperatively?* Neurosurgical Society of Australasia 2000 Annual Meeting, Harvey Bay, Queensland, Australia.
29. Terence J O'Brien, Rodney Hicks, Michael Murphy, Penny McKelvie, David Binns, Mark J Cook, . *Anterior Temporal Lobe Changes without Hippocampal Atrophy: Variant of MTS or different Syndrome?* 54th Annual Meeting of the American Epilepsy Society, Los Angeles, California, USA, December 2000.
30. Michael A Murphy, Terence J O'Brien, Mark Lorenz, Fiona Bardenhagen, Mark J Cook, Kevin F Morris. *Intraoperative Validation of Functional MRI using Electrical Cortical Stimulation and Image-Guided Surgery*. 54th Annual Meeting of the American Epilepsy Society, Los Angeles, California, USA, December 2000.

31. Kevin F Morris, Michael A Murphy, Terence J O'Brien, Mark J Cook.. *Improved localisation in Epilepsy Surgery with a Multimodality Image-Guided System*. 54th Annual Meeting of the American Epilepsy Society, Los Angeles, California, USA, December 2000.
32. Britta Achenbach, Efraim P David, Simon Vogrin, Rodney J Hicks, David S Binns, Mark J Cook, Michael A Murphy, and Terence J O'Brien. *The Relationship between Cerebellar Volume and Metabolism in Medically Refractory Partial Epilepsy*. Annual Scientific Meeting of the Australian Association of Neurologists, Adelaide, Australia, May 2001.
33. Terence J. O'Brien, Rodney Hicks, Michael Murphy, Penny McKelvie, David Binns, and Mark J. Cook. *Anterior Temporal Lobe Changes without Hippocampal Atrophy: Variant of MTS or Different Syndrome?* Annual Scientific Meeting of the Australian Association of Neurologists, Adelaide, Australia, May 2001.
34. Britta Achenbach, Efraim P David, Simon Vogrin, Rodney J Hicks, David S Binns, Mark J Cook, Michael A Murphy, and Terence J O'Brien. *The Relationship between Cerebellar Volume and Metabolism in Medically Refractory Partial Epilepsy*. American Academy of Neurology, Philadelphia, Pennsylvania, USA, May 2001.
35. Moore S, Murphy M. *Coping after Temporal Lobectomy for Intractable Epilepsy Seizures*. 36th Annual Conference of Australian Psychological Society, Adelaide, Australia, September 2001.
36. Moore S, Murphy M. *Coping after Temporal Lobectomy for Intractable Epilepsy Seizures*. Psychological Society, Barcelona, Spain, March 2002
37. Chiotis M, Cook MJ, Murphy MA, McKelvie P, Cotton RG, Trounce I. *High levels of mtDNA coding region point mutations from human brain captured in synaptosome cybrid clones*. Keystone Symposium Mitochondria and Pathogenesis, April 2002
38. Smith PD, McLean KJ, Worner M, Murphy MA, Vajda FJE, Cook MJ. *The potential role of dentate cell proliferation in mechanisms of repair following epileptic excitotoxic damage to the hippocampus in mice*. St.Vincent's Hospital Research Week, Melbourne, Australia, August 2002.
39. Chiotis M, Cook MJ, Murphy MA, McKelvie P, Cotton RG, Trounce I. *High levels of mtDNA coding region point mutations from human brain captured in synaptosome cybrid clones*. St.Vincent's Hospital Research Week, Melbourne, Australia, August 2002.
40. Costello T, Arhanghelschi I, Wyss A, Cormack JR, Hoy C, Martin K, Murphy MA. *Scalp blocks for awake craniotomies using Ropivacaine*. St.Vincent's Hospital Research Week, Melbourne, Australia, August 2002.
41. Carne R, O'Brien TJ, Kipatrick C, Hicks R, Murphy MA, Kaye A, McKelvie P, Cook MJ. *Non-lesional temporal lobe epilepsy without hippocampal sclerosis on MRI: variant of mesial temporal lobe epilepsy or different clinicopathological syndrome?* St.Vincent's Hospital Research Week, Melbourne, Australia, August 2002.
42. D'Souza WJ, Trost N, O'Brien TJ, Murphy MA, Cook MJ. *Tooth-Brushing Epilepsy: A case series demonstrating lesions involving the postcentral gyrus suggesting likely somatosensory induction for this reflex epilepsy*, 56th Annual Meeting of the American Epilepsy Society, Seattle, Washington, California, USA, December 2002.
43. Carne R, O'Brien TJ, Kipatrick C, Hicks R, Murphy MA, Kaye A, McKelvie P, Cook MJ. *Non-lesional temporal lobe epilepsy without hippocampal sclerosis on MRI: variant of mesial temporal lobe epilepsy or different clinicopathological syndrome?* 56th Annual Meeting of the American Epilepsy Society, Seattle, Washington, California, USA, December 2002.
44. Kita M, Quigley A, Todaro M, Lowes K, Cook M, Murphy M, Komberg AJ, Kapsa R. *Characterisation of muscle derived cells expressing neurogenic markers*. Annual Scientific Meeting of the Australian Association of Neurologists, Sydney, Australia, May 2003.
45. Carne R, O'Brien TJ, Kipatrick C, Hicks R, Murphy MA, Kaye A, McKelvie P, Cook MJ. *Non-lesional temporal lobe epilepsy without hippocampal sclerosis on MRI: variant of mesial temporal lobe epilepsy or different clinicopathological syndrome?* Annual Scientific Meeting of the Australian Association of Neurologists, Sydney, Australia, May 2003.

46. Lyons BM, Hall F, Nicholson R, Sizeland A, Sherman G, Kennedy J, Murphy MA. *Anterior Skull Base Tumors*. 14th annual Meeting NASBS, April 2003.
47. Came RP, O'Brien TJ, Kilpatrick C, MacGregor L, KcKelvie P, Cook MJ, Murphy MA, Hicks R. *Quantitative FDG-PET and MRI demonstrate differences between patients with non-lesional TLE with and without hippocampal sclerosis on MRI*. Annual Scientific Meeting of the Australian Association of Neurologists, Sydney, Australia, May 2003.
48. Smith PD, McLean KJ, Murphy MA, Cook MJ, Ma S, Burazin TCD, Gundlach AL. *Neurogenesis and neurochemical plasticity in Focal Epilepsy: establishment of a rapid amygdalod kindling protocol in mouse as a model of TLE and hippocampal sclerosis*. Annual Scientific Meeting of the Australian Association of Neurologists, Sydney, Australia, May 2003.
49. Cook MJ, Murphy MA, McKelvie P, Chiotis M, McKenzie M, Cotton RG, Trounce I. *High levels of mtDNA coding region point mutations from human epileptic hippocampus captured in synaptose cybrids*. Annual Scientific Meeting of the Australian Association of Neurologists, Sydney, Australia, May 2003.
50. Quigley AF, Kita M, Todaro M, Lowes K, Kornberg J, Kapsa RMI, Cook MJ, Murphy MA. *Characterisation of muscle derived cells expressing neurogenic markers*. Annual Scientific Meeting of the Australian Association of Neurologists, Sydney, Australia, May 2003.
51. D'Souza WJ, Trost N, Murphy MA, Cook MJ, O'Brien TJ. *Tooth-brushing epilepsy: a case series demonstrating lesions involving the postcentral gyrus suggesting likely somatosensory induction for this reflex epilepsy*. Annual Scientific Meeting of the Australian Association of Neurologists, Sydney, Australia, May 2003.
52. Costello TJ, Cormack JR, Harris K, Murphy MA. *Intraoperative hypothermia for intracranial aneurysm surgery (IHAST)*. Research Week, St. Vincent's Hospital Melbourne, Melbourne, September 2004.
53. Salzberg M, Taher T, Davie M, Cook MJ, Murphy MA, Kilpatrick C, O'Brien TJ. *Depression in temporal lobe epilepsy surgery patients; relationship to patterns of extratemporal hypometabolism on FDG-PET imaging*. Research Week, St. Vincent's Hospital Melbourne, Melbourne, September 2004.
54. Holden C, Lui B, Vrazas J, Morrop MA, Trost N. *Digital subtraction angiography vs multi-slice CT-angiography in investigation and pre-treatment evaluation of subarachnoid haemorrhage*. Research Week, St. Vincent's Hospital Melbourne, Melbourne, September 2004.
55. Smith PD, McLean KJ, Murphy MA, Turnley AM, Cook MJ. *Neurogenesis without neuronal loss in the mouse rapid electrical amygdalokindling model of seizures*. Research Week, St. Vincent's Hospital Melbourne, Melbourne, September 2004..
56. Costello TG, Cormack JR, LaFerita B, Murphy MA, Harris K, Mather L. *Plasma levobupivacaine concentration following scalp block in patients undergoing awake craniotomy*. Research Week, St. Vincent's Hospital Melbourne, Melbourne, September 2004.
57. Smith PD, McLean KJ, Murphy MA, Turnley AM, Cook MJ. *Neurogenesis in the absence of neuronal loss in the mouse rapid electrical amygdala kindling model of seizures*. Annual Scientific Meeting of the Neurosurgical Society of Australia, Newcastle, Australia, September 2004.