

Kanna Gnanalingham, FRCS.SN, PhD
Honorary
Division of Cell Matrix Biology & Regenerative Medicine (L5)



Overview

A consultant in Neurosurgery in Greater Manchester, with a specialist interest in pituitary and complex spine surgery, utilising minimally invasive techniques, notably endoscopy. Undertook Neurosurgical training in London, including specialist training in pituitary, skull base and spinal surgery at the National Hospital for Neurology and Neurosurgery. Qualified to doctorate level and with numerous publications and international presentations.

Current Position:

Consultant in Neurosurgery, (Manchester, UK)

Honorary Senior Lecturer (University of Manchester, UK)

Honorary Senior Lecturer (Edge Hill University, Lancashire, UK)

Specialist Interests:

Pituitary and oncology surgery

Complex spinal surgery

Minimally invasive techniques

Contact address: Department of Neurosurgery Manchester Centre for Clinical Neurosciences (MCCN) Salford Royal Foundation Trust (SRFT) Stott Lane, Salford M6 8HD, UK

Tel: 0161 206 4340 (NHS practice) / 077540 75055 (Private practice) **Email:** kanna.gnanalingham@srft.nhs.uk; info@manchesterneuro.co.uk **Web site:** <http://www.manchesterneuro.co.uk> **Publications on Pubmed:** [\(Click here\)](#)

Employment

MAHSC Honorary Clinical Chair

Honorary

Division of Cell Matrix Biology & Regenerative Medicine (L5)

The University of Manchester

1 Aug 2025 → present

Consultant in Neurosurgery

Salford Royal NHS Foundation Trust

Manchester, United Kingdom

1 Mar 2005 → present

Research output

Sphenoid sinus mucosal thickening in the acute phase of pituitary apoplexy

Gnanalingham, K., Waqar, M., McCreary, R., Kearney, T. & Karabatsou, K., Aug 2017, In: Pituitary. 20, 4, p. 441-449 9 p.

Improving levels of evidence in studies published in spinal journals from 1983 to 2011

Gnanalingham, K. K., Davies, B. M., Balamurali, G., Titoria, P., Doyle, P. & Abou-Zeid, A., Apr 2013, In: British journal of neurosurgery. 27, 2, p. 152-155 3 p.

Minimally invasive decompression and stabilisation for extensive haemangiomas of lumbar spine

Gnanalingham, K. K., Afridi, M. B., Abou-Zeid, A. & Herwadkar, A., 2010, In: Minimally Invasive Neurosurgery. 53, 5-6, p. 275-278 3 p.

Thoracic arachnoiditis, arachnoid cyst and syrinx formation secondary to myelography with Myodil, 30 years previously
Gnanalingham, K. K., Joshi, S. M. & Sabin, I., Oct 2006, In: European Spine Journal. 15, 5, p. S661-S663

The impact of the international subarachnoid aneurysm trial (ISAT) on the management of aneurysmal subarachnoid haemorrhage in a neurosurgical unit in the UK

Gnanalingham, K. K., Apostolopoulos, V., Barazi, S. & Neill, K., Feb 2006, In: Clinical Neurology and Neurosurgery. 108, 2, p. 117-123 6 p.

Percutaneous coagulation of choroid plexus to unblock the ventricular catheter using the Seldinger technique: Preliminary report

Gnanalingham, K. K., Lafuente, J., Brew, S., Thompson, D., Harkness, W. & Hayward, R., Nov 2005, In: Surgical Neurology. 64, 5, p. 440-443 3 p.

Isolated diastasis of cranial sutures: Unusual presentation of a blocked shunt in an infant

Gnanalingham, K. K., Lafuente, D., Cheng, D., Harkness, W. & Thompson, D., Oct 2005, In: Child's Nervous System. 21, 10, p. 936-938 2 p.

Quality of clinical studies in neurosurgical journals: Signs of improvement over three decades

Gnanalingham, K. K., Tysome, J., Martinez-Canca, J. & Barazi, S. A., Sept 2005, In: Journal of neurosurgery. 103, 3, p. 439-443 4 p.

Trigeminal neuralgia secondary to Chiari's malformation - Treatment with ventriculoperitoneal shunt

Gnanalingham, K., Joshi, S. M., Lopez, B., Ellamushi, H. & Hamlyn, P., Jun 2005, In: Surgical Neurology. 63, 6, p. 586-588 2 p.

The time course of visual field recovery following transphenoidal surgery for pituitary adenomas: Predictive factors of a good outcome

Gnanalingham, K. K., Bhattacharjee, S., Pennington, R., Ng, J. & Mendoza, N., Mar 2005, In: Journal of Neurology, Neurosurgery and Psychiatry. 76, 3, p. 415-419 4 p.

Intraosseous malignant peripheral nerve sheath tumor (MPNST) of the thoracic spine: a rare cause of spinal cord compression.

Gnanalingham, K., Bhattacharjee, S. & O'Neill, K., 15 Sept 2004, In: Spine. 29, 18, p. E402-405

Non-traumatic compression fractures of the thoracic spine following a seizure - Treatment by percutaneous kyphoplasty

Gnanalingham, K., Macanovic, M., Joshi, S., Afshar, F. & Yeh, J., Aug 2004, In: Minimally Invasive Neurosurgery. 47, 4, p. 256-257 1 p.

14 mmHg: A case of raised intracranial pressure?

Gnanalingham, K. K., Watkins, L. & Goadsby, P. J., Jun 2004, In: British journal of neurosurgery. 18, 3, p. 303-306 3 p.

The usefulness of surgical out-patient follow-up from the perspective of the patient, their General Practitioner and Surgeon
Gnanalingham, K. K. & Williams, G. T., 1 Jan 2004, In: Journal of Surgery. 2, 1, p. 19-21 3 p.

Intraventricular migration of a Rickham reservoir: Endoscopic retrieval

Gnanalingham, K. K., Lafuente, J. & Harkness, W., Dec 2003, In: Child's Nervous System. 19, 12, p. 831-833 2 p.

MRI study of the natural history and risk factors for pseudomeningocele formation following postfossa surgery in children

Gnanalingham, K. K., Lafuente, J., Thompson, D., Harkness, W. & Hayward, R., Dec 2003, In: British journal of neurosurgery. 17, 6, p. 530-536 6 p.

Haemangioblastoma: A rare cause of a cerebellar mass in the elderly

Gnanalingham, K. K., Apostolopoulos, V., Chopra, I., Mendoza, N. & Peterson, D., Oct 2003, In: British journal of neurosurgery. 17, 5, p. 461-464 3 p.

Temporal lobe seizures: Unusual presentation of a giant unruptured posterior communicating artery aneurysm
Gnanalingham, K. K., Colquhoun, I. & Van Dellen, J., Aug 2003, In: British journal of neurosurgery. 17, 4, p. 370-371 1 p.

Attitudes to the use of prophylaxis for thrombo-embolism in neurosurgical patients
Gnanalingham, K. K. & Holland, J. P., Jul 2003, In: Journal of Clinical Neuroscience. 10, 4, p. 467-469 2 p.

Nasal polyps: Not always an ENT problem
Gnanalingham, K. K., Hance, J. & Powell, M., Feb 2003, In: British journal of neurosurgery. 17, 1, p. 84

The impact of methicillin-resistant *Staphylococcus aureus* in a neurosurgical unit: A growing problem
Gnanalingham, K. K., Elsaghier, A., Kibbler, C. & Sheeff, C., 1 Jan 2003, In: Journal of neurosurgery. 98, 1, p. 8-13 5 p.

The natural history of ventriculomegaly and tonsillar herniation in children with posterior fossa tumours - An MRI study
Gnanalingham, K. K., Lafuente, J., Thompson, D., Harkness, W. & Hayward, R., 2003, In: Pediatric Neurosurgery. 39, 5, p. 246-253 7 p.

Surgical procedures for posterior fossa tumors in children: Does craniotomy lead to fewer complications than craniectomy?
Gnanalingham, K. K., Lafuente, J., Thompson, D., Harkness, W. & Hayward, R., 1 Oct 2002, In: Journal of neurosurgery. 97, 4, p. 821-826 5 p.

Dual technique for obliteration of small arteriovenous malformations
Gnanalingham, K., Taylor, W. & Watkins, L., 1 Jan 2002, In: British journal of neurosurgery. 16, 4, p. 376-380 5 p.

Osteosarcoma and fibrosarcoma caused by postoperative radiotherapy for a pituitary adenoma: Case report
Gnanalingham, K. K., Chakraborty, A., Galloway, M., Revesz, T. & Powell, M., 2002, In: Journal of neurosurgery. 96, 5, p. 960-963 3 p.

Magnetic resonance study of multiple primitive neuroectodermal tumours of the cerebrum, cerebellum and spinal cord in an adult
Gnanalingham, K. K., Gillespie, J. & Richardson, P. L., Jul 2001, In: Clinical radiology. 56, 7, p. 588-590 3 p.

Clinical and magnetic resonance imaging evidence of brain and spinal cord demyelination in a case of chronic inflammatory demyelinating polyneuropathy [5]
Gnanalingham, K. K., 6 Jun 2001, In: Journal of Neurology. 248, 5, p. 428-429 2 p.

Synchronous and metachronous gastric adenocarcinoma: Case report and literature review
Gnanalingham, K. K. & Bishop, P., 1 Feb 1999, In: Journal of the Royal College of Surgeons of Edinburgh. 44, 1, p. 61-62 2 p.

Day case hernia repair under local versus general anaesthesia: Patient preferences
Gnanalingham, K. K. & Budhoo, M., Oct 1998, In: Ambulatory Surgery. 6, 4, p. 227-229 3 p.

Motor and cognitive function in Lewy body dementia: Comparison with Alzheimer's and Parkinson's diseases
Gnanalingham, K. K., Byrne, E. J., Thornton, A., Sambrook, M. A. & Bannister, P., 1 Jan 1997, In: Journal of Neurology Neurosurgery and Psychiatry. 62, 3, p. 243-252 10 p.

Clock-face drawing to differentiate Lewy body and Alzheimer type dementia syndromes [20]
Gnanalingham, K. K., Byrne, E. J. & Thornton, A., 1 Jan 1996, In: Lancet. 347, 9002, p. 696-697 2 p.

Stimulation of adenylate cyclase activity by benzazepine D-1 dopamine agonists with varying efficacies in the 6-hydroxydopamine lesioned rat-relationship to circling behaviour

Gnanalingham, K. K., Hunter, A. J., Jenner, P. & Marsden, C. D., 11 May 1995, In: Biochemical Pharmacology. 49, 9, p. 1185-1193 9 p.

Short- and long-term changes in striatal and extrastriatal dopamine uptake sites in the MPTP-treated common marmoset
Gnanalingham, K. K., Milkowski, N. A., Smith, L. A., Hunter, A. J., Jenner, P. & Marsden, C. D., 24 Apr 1995, In: European journal of pharmacology. 277, 2-3, p. 235-241 7 p.

Differential anti-parkinsonian effects of benzazepine D₁ dopamine agonists with varying efficacies in the MPTP-treated common marmoset

Gnanalingham, K. K., Smith, L. A., Jenner, P., Erol, D. D., Hunter, A. J. & Marsden, C. D., 1 Feb 1995, In: Psychopharmacology. 117, 3, p. 275-286 12 p.

Selective dopamine antagonist pretreatment on the antiparkinsonian effects of benzazepine D₁ dopamine agonists in rodent and primate models of parkinson's disease - the differential effects of D₁ dopamine antagonists in the primate
Gnanalingham, K. K., Jenner, P., Jackie Hunter, A. & David Marsden, C., 1 Feb 1995, In: Psychopharmacology. 117, 4, p. 403-412 10 p.

Short and long-term changes in cerebral [¹⁴C]-2-deoxyglucose uptake in the MPTP-treated marmoset: relationship to locomotor activity

Gnanalingham, K. K., Milkowski, N. A., Smith, L. A., Hunter, A. J., Jenner, P. & Marsden, C. D., 1 Feb 1995, In: Journal of Neural transmission. 101, 1-3, p. 65-82 18 p.

The differential behavioural effects of benzazepine D₁ dopamine agonists with varying efficacies, co-administered with quinpirole in primate and rodent models of Parkinson's disease

Gnanalingham, K. K., Jenner, P., Hunter, A. J. & Marsden, C. D., 1 Feb 1995, In: Psychopharmacology. 117, 3, p. 287-297 11 p.

An autoradiographic study of the differential effects of N-ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline (EEDQ) on striatal and extrastriatal D-1 and D-2 dopamine receptors in the rat

Gnanalingham, K. K., Hunter, A. J., Jenner, P. & Marsden, C. D., May 1994, In: Neuropharmacology. 33, 5, p. 647-655 9 p.

The effects of chronic continuous versus intermittent levodopa treatments on striatal and extrastriatal D₁ and D₂ dopamine receptors and dopamine uptake sites in the 6-hydroxydopamine lesioned rat - an autoradiographic study

Gnanalingham, K. K. & Robertson, R. G., 21 Mar 1994, In: Brain research. 640, 1-2, p. 185-194 10 p.

Alterations in striatal and extrastriatal D-1 and D-2 dopamine receptors in the MPTP-treated common marmoset: An autoradiographic study

Gnanalingham, K. K., Smith, L. A., Hunter, A. J., Jenner, P. & Marsden, C. D., 1 Jan 1993, In: Synapse. 14, 2, p. 184-194 11 p.

Chronic continuous and intermittent l-3,4-dihydroxyphenylalanine treatments differentially affect basal ganglia function in 6-hydroxydopamine lesioned rats-an autoradiographic study using [³H]flunitrazepam

Gnanalingham, K. K. & Robertson, R. G., 1 Jan 1993, In: Neuroscience. 57, 3, p. 673-681 9 p.

Projects