

CURRICULUM VITAE

NAME: ANDRE JACKOWSKI

SPECIALTY: NEUROSURGEON AND SPINAL SURGEON

GMC REGISTRATION: 2647555
On the Specialist Register for Neurosurgery

QUALIFICATIONS: **BSc** Anatomy – University College London, 1977
MB BS – University of London, 1980
FRCS – Royal College of Surgeons of England, 1985
MD – University of London, 1990

DISTINCTIONS: U.C.L. Faculty of Medical Sciences Medal and Prize 1977
Medical Research Council Training Fellow 1986 -1988

MEDICAL INSURANCE: Incision Indemnity Scheme

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PREVIOUS APPOINTMENTS:

Consultant Neurosurgeon and Spinal Surgeon,
The Royal Orthopaedic Hospital NHS Trust, Birmingham

Consultant Neurosurgeon,
University Hospitals NHS Trust, Birmingham

Senior Clinical Lecturer,
The University of Birmingham

Honorary Consultant Neurosurgeon,
West Midlands Regional Health Authority

Honorary Consultant Neurosurgeon,
The Birmingham Children's Hospital

Responsible Officer,
The Royal Orthopaedic Hospital NHS Trust

Clinical Director of Workforce & Regulation
The Royal Orthopaedic Hospital NHS Trust

POSITIONS OF RESPONSIBILITY:

Chairman of Regional Training Program Committee for Neurosurgery

Royal College Regional Specialty Representative for Neurosurgery

Chairman of Trustees, Cervical Spine Research Society

President, Cervical Spine Research Society

Chairman of Education and Research Committee, Cervical Spine Research Society

Treasurer, Cervical Spine Research Society

Spinal Specialty advisor to NICE

British Standards Institute Advisor for spinal surgical devices

MHRA - BOA Advisor for cervical implants and artificial discs.

British Spinal Societies Executive Officer

President, British Cervical Spine Society

Secretary, British Cervical Spine Society

Scientific Advisor, Sandwell District Ethical Committee

MEMBERSHIP OF SPECIALIST SOCIETIES:

Society of British Neurological Surgeons
British Association of Spinal Surgeons
British Scoliosis Society
Cervical Spine Research Society

CLINICAL EXPERIENCE:

I took up appointment as a Consultant Neurosurgeon and Senior Clinical Lecturer in Neurosurgery in Birmingham in 1992. For a number of years my neurosurgical practice included all aspects of Neurosurgery. I developed a particular interest in intracranial skull base tumours, posterior circulation aneurysm surgery and complex spinal surgery. My clinical responsibilities also included the care of head and spinal injuries. Like most other neurosurgeons appointed at that time I undertook nearly every aspect of the specialty mainly in adults but to a lesser extent in children. I was Chairman of the Neurosurgical training programme in the West Midlands region and the Royal College Regional representative for Neurosurgery.

In the late 1990's as increasing sub-specialisation occurred in neurosurgery, I increased my interest in spinal surgery providing an emergency and elective spinal service for a wide range of spinal conditions including degenerative, infective, tumour and congenital pathologies. Specialist services I provided have included treatment of intradural/intramedullary spinal lesions, cranio-cervical, and syringomyelia surgery. I held a mainly adult practice but have treated children from infancy through to adolescence. I have not offered any independent practice in paediatric scoliosis surgery but occasionally assisted specialist colleagues with their patients.

ACADEMIC EXPERIENCE:

When I was a Medical Research Council Training Fellow, I developed an animal model of subarachnoid haemorrhage and undertook experimental studies upon the changes in arteries and blood flow to the brain following bleeding about the brain. This resulted in a number of publications and citations in scientific journals and learned presentations. Other early scientific interests and clinical publications were upon salt and water regulation in neurosurgery, hydrocephalus following brain haemorrhage, growth factors and post traumatic neural injury repair and regeneration.

Later publications have been in the clinical practice of spinal surgery and spinal biomechanics. A particular interest has been the spinal intervertebral disc and its degenerative changes with age and injury which led to me setting up a biomechanical research laboratory using cadaveric and artificial spine models. This resulted in several publications upon stresses in intervertebral discs and to the development of a novel design for a spinal intervertebral disc replacement. I have had a lifelong interest in hands-on teaching of other surgeons, demonstrating the operative approaches to the spine at cadaveric workshops both nationally and internationally.

MEDICOLEGAL EXPERIENCE:

I began medico-legal work and providing medical reports soon after becoming a Consultant Neurosurgeon in 1992. Initially I received and provided reports for litigation in cases of personal injury causing head and spine injury. As my experience and years in service as a Consultant Neurosurgeon grew, I was instructed in more complex personal injury claims and in clinical negligence work. The majority of the cases I am now instructed upon involve cases of catastrophic injury, high value, and negligence claims. I accept equally both claimant and defendant instructions.

BIBLIOGRAPHY:

MD THESIS:

Jackowski A (1990) Pathophysiological Mechanisms in Subarachnoid Haemorrhage. A study of the Neuropharmacological, Physiological and Morphological Changes that occur in a model of Subarachnoid Haemorrhage developed in the laboratory rat. University of London.

BOOK CHAPTERS:

Jackowski A, Illingworth RD (1990) Presentation and management options for intracranial aneurysms. In: The cause and management of aneurysms (Greenhalgh RM, Mannick JA, eds), WB Saunders Inc.

Jackowski A (2008) The NeoDisc elastomeric cervical total disc replacement. In: Motion preservation surgery of the spine: Advanced techniques and controversies (James J. Yue, MD, Rudolph Bertagnoli, MD, Paul C. McAfee, MD and Howard S. An, MD, eds), by Saunders, an imprint of Elsevier Inc.

Jackowski A (2017) Cervical Approaches, Access Ranges and Indications. In Cervical Spine Surgery: Standard and Advanced Techniques (Heiko Koller / Yohan Robinson, eds), Springer International Publishing.

Jackowski A (2017) Anterior Cervical Foraminotomy. In Cervical Spine Surgery: Standard and Advanced Techniques (Heiko Koller / Yohan Robinson, eds), Springer International Publishing.

PEER REVIEW PUBLICATIONS:

Jackowski A, Parnavelas JG, O'Neil M, Sullivan K, Lieberman AR (1978) The reciprocal synapse of the external plexiform layer in the mammalian olfactory bulb. *J Anat* 126:423

Jackowski A, Parnavelas JG, Lieberman AR (1978) The reciprocal synapse in the external plexiform layer of the mammalian olfactory bulb. *Brain Res* 159:17-28

Jackowski A, Lieberman AR (1979) Axonal growth cones of chick embryo retinal ganglion cells. *J Anat* 129:866-869

Jackowski A, Crockard HA, Ransford AO (1987) Transoral odontoidectomy and posterior stabilisation in rheumatoid arthritis: An analysis of 34 patients with symptomatic atlanto-axial subluxation. *J Neurol Neurosurg Psych* 50:1093

Crockard HA, Ransford AO, Jackowski A, Calder I (1987) One stage transoral odontoidectomy and posterior stabilisation for atlanto-axial subluxation in rheumatoid arthritis. In: *Proceedings of the 8th European Congress of Neurosurgery, Barcelona, Spain* pp403

Jackowski A, Crockard HA, Stevens J (1988) Current advances in diagnostic imaging and treatment of disorders affecting the craniocervical junction. *Clinical Anatomy* 2

Jackowski A, Crockard A, Burnstock G (1988) Serotonin in the perivascular plexus of rat pial arteries is located within sympathetic nerve fibers. *NELED SUPPL* 32:S85

Jackowski A, Crockard A, Burnstock G (1988) Ultrastructure of serotonin-containing nerve fibers in the middle cerebral artery of the rat and evidence for its localisation within catecholamine-containing nerve fibers by immunoelectron microscopy. *Brain Res* 443:159-165

Jackowski A, Crockard A, Burnstock G (1989) 5-Hydroxytryptamine demonstrated immunohistochemically in rat cerebrovascular nerves largely represents 5-hydroxytryptamine uptake into sympathetic nerve fibers. *Neuroscience* 29:453-462

Jackowski A, Crockard A, Burnstock G (1989) Experimental subarachnoid haemorrhage in a small animal model: changes in cerebral blood flow, cerebral perfusion pressure, intracranial pressure and neurotransmitter status. *J Neurol Neurosurg Psych* 52:926

Jackowski A, Crockard A, Burnstock G, Lincoln J (1989) Experimental subarachnoid haemorrhage: Temporal changes in NPY and 5-HT levels within cerebrovascular sympathetics. *J Cereb Blood Flow Metab* 9(suppl 1):S371

Jackowski A, Crockard A, Burnstock G, Lincoln J (1989) Alterations in serotonin and neuropeptide Y content of cerebrovascular sympathetic nerves following experimental subarachnoid haemorrhage. *J Cereb Blood Flow Metab* 9 (3):271-279

Jackowski A, Crockard A, Ross-Russell RW, Burnstock G (1989) SAH in a rat model:

The time course of change in cerebral blood flow, cerebral perfusion and intracranial pressure. *J Cereb Blood Flow Metab* 9(suppl 1):S455

Jackowski A, Crockard A, Burnstock G (1989) Serotonergic nerves of the major cerebral vessels largely reflect a sympathetic nerve 5-HT uptake. *J Cereb Blood Flow Metab* 9(suppl 1):S667

Jackowski A, Crockard A, Ross-Russell RW, Burnstock G (1989) Serial determinations of regional cerebral blood flow in the rat using simple chronically implanted platinum wire microelectrodes. *J Neurosci Methods* 30:133-139

Calder I, Ordman AJ, Jackowski A, Crockard A (1990) The Brain laryngeal mask. An alternative in emergency tracheal intubation. *Anaesthesia* 45:137-139

Jackowski A, Crockard A, Burnstock G, Ross-Russell R, Kristek F (1990) The time course of intracranial pathophysiological changes following subarachnoid haemorrhage in the rat. *J Cereb Blood Flow Metab* 10 (6):835-849

Williams KN, Jackowski A, Evans PJD (1990) Epidural haematoma requiring surgical decompression following repeated cervical epidural steroid injections for chronic pain. *Pain* 42:197-199

Plant GT, Donald JJ, Jackowski A, Vinnicombe SJ, Kendall BE (1991) Partial, non-thrombotic, superior sagittal sinus occlusion due to occipital skull tumours. *J Neurol Neurosurg Psych* 54:520-523

Symon L, Jackowski A, Bills D (1991) Surgical treatment of pontomedullary cavernomas. *Br J Neurosurg* 5:339-347

Jackowski A, Symon L, Bills D (1992) Microsurgical excision of pontomedullary cavernous haemangiomas. *J Neurol Neurosurg Psych* 55:79

Lolin Y, Jackowski A, Symon L (1992) Disordered salt and water regulation in neurosurgical practice: Modern management perspectives obtained from recent studies. *J Neurol Neurosurg Psych* 55:517

Jackowski A (1992) Editorial. Disordered sodium and water in neurosurgery. *Br J Neurosurgery* 6:173-176

Lolin Y, Jackowski A (1992) Hyponatraemia in neurosurgical patients: Diagnosis using derived parameters of sodium and water homeostasis. *Br J Neurosurg* 6:457-466

Arafat Q W, Jackowski A, Chavda S V, West RJ (1993) Ossification of the thoracic ligamenta flava in a caucasian: a rare cause of myelopathy. *Br J of Radiology* 66:1193-1196

Jackowski A, Weiner G, O' Reilly G (1994) Trochlear nerve Schwannomas. *Br J Neurosurg* 8:219-225

O' Reilly G, Jackowski A, Weiner G, O'Reilly, Thomas D (1994) Lateral parascapular extrapleural approach for single-stage excision of dumbbell neurofibroma. Br J Neurosurg 8:347-353

Sgouros S, Jackowski A, Carey M P (1994) Central neurocytoma without intraventricular extension. Surgical Neurology 42:335-339

Jackowski A (1995) Review Article. Neural injury repair: hope for the future as barriers to effective CNS regeneration become clearer. Br J Neurosurgery 9:303-317

Jackowski A, Kulshresta M, Sgouros S (1995) Laser assisted endoscopic fenestration of giant cyst of the septum pellucidum. Br J Neurosurg 9:527-531

Jackowski A (1995) Editorial. Surgery of the brainstem. Br J Neurosurgery 9:581-584

Sgouros S, Malluci CL Jackowski A (1996) Spinal ependymomas - the value of postoperative radiotherapy for residual disease control. Br J Neurosurgery 10:559-66

Taylor M, Thomas A, Jackowski A (1996) Missed cervical spine injury. J Acc & Emergency Medicine 13 (3):222-3.

Daniel M, Lagord C, Akinwunmi J, Barber P, Jackowski A, Logan A (1997) Measurement of Transforming growth factor-B1 levels in the cerebrospinal fluid of patients with CNS injury. J Endocrinology 152:P126

Kudoh C, Detta A, Yeh J, Jackowski A, Hitchcock E, Yoshimitsu N, Sugiura K. (1997) Rapidly growing benign meningiomas - correlation with clinical features and histological diagnosis. In Monduzzi (editor) Int Proc Div Bologna, 11th International Congress of Neurological Surgery Vol 1 & 2, 489-491.

Sgouros S, Carey M, Aluwihare N, Jackowski A (1998) Central neurocytoma: a clinicopathologic and radiologic analysis. Surg Neurol. 49(2):197-204

Yeh J, Jackowski A (1998) Harvesting and preparation of cadaveric osseoligamentous lower cervical spine (C2-C7) for biomechanical testing. Europ Spine Journal 7(1)66-8

Jain H, Selway R, Yeh JS, Jackowski A (1998) A picture is worth a thousand words: an inexpensive teleradiology system. Br J Neurosurgery 12 (1): 87

Khalil-Marzouk JF, Jackowski A, Reynolds JH (1999) Use of the video enhanced muscle-sparing thoracotomy (VEMAST) approach in the resection of dumb-bell paraspinous neurogenic tumours. Proceedings of 6th European conference on General Thoracic Surgery. Oct 22-24,1999

Jackowski A (2000) Flexion injuries of the lower cervical spine with posterior element involvement treated by anterior peak plate fixation. Br J Neurosurgery 14 (1): 79

Flood C, Akinwunmi J, Lagord C, Daniel M, Berry M, Jackowski A, Logan A (2001) Transforming growth factor B-beta1 in the cerebrospinal fluid of patients with

subarachnoid haemorrhage: titres derived from exogenous and endogenous sources. J Cereb Blood Flow Metab February 2001 Feb; 21(2): 157-62

Jackowski A (2001) Transradicular interfascicular approach for lumbar microdiscectomy: Point of view. Br J Neurosurgery 2001 15(4) 362

Jackowski A (2001) Endoscopic fenestration of a symptomatic cyst of the septum pellucidum. Br J Neurosurgery 2001 15(3):286

Jiggins M, Prosser G, Jackowski A. (2002)
Clear cell sarcoma (malignant melanoma of soft parts) presenting as cervical myelopathy. Br J Neurosurg. Oct; 16(5): 511-2

Siddiqui AA, Jackowski A. (2003)
Cage versus tricortical graft for cervical interbody fusion. A prospective randomised study. J Bone Joint Surg Br. Sep; 85(7): 1019-25.

Wigfield CC, Skrzypiec D, Jackowski A, Adams MA. (2003)
Internal stress distribution in cervical intervertebral discs: the influence of an artificial cervical joint and simulated anterior interbody fusion. J Spinal Disord Tech. Oct; 16(5): 441-9.

Lagord, Akinwunmi, Jackowski, Cooper, Berry, Logan. (2009) High CSF transforming growth factor levels after subarachnoid haemorrhage: association with chronic communicating hydrocephalus Douglas, J Neurol Neurosurg Psychiatry 80: 545-51

THESIS SUPERVISOR/EXAMINER:

Clinical Supervisor "Fatigue Testing of Spinal Implants" S C Bellamy. School of Manufacturing and Mechanical Engineering, University of Birmingham. 1999

Clinical Supervisor to final year MSc project "Biomechanical test comparison of Anterior Cervical Plate Fixation Systems." S C Bellamy. School of Manufacturing and Mechanical Engineering, University of Birmingham. 2000

Clinical Supervisor to MD Thesis "Biomechanical Assessment of Cervical Disc Surgery and the Effects of an Artificial Disc Replacement." J. Yeh, University of Birmingham. 2001

Clinical Supervisor to MD Thesis "Biomechanical and Clinical Assessment of an Artificial Disc Replacement." C. Whitfield, University of Birmingham. 2002

Clinical Supervisor to MSc Orth.Eng. Project "Design and Testing of a Jig for Torsional Testing of Lumbar Calf Spine Segments that have Undergone Experimental Posterior Lumbar Interbody Fusion." A Temple, University of Cardiff. 2002

Clinical Supervisor to MSc Orth.Eng. Project. L Brakewell, University of Cardiff. 2002

External Examiner to PhD Thesis “The Design and Testing of Elastomeric Prosthetic Lumbar Intervertebral Discs.” C J Reah, University of Manchester. 2003

Clinical Supervisor “Anterior & Posterior Lumbar Interbody Fusion Devices- literature review and mechanical testing” J S Currell. Biomedical Engineering Degree, University of Birmingham. 2003

External Examiner to PhD Thesis “The Development of an Artificial Lumbar Intervertebral Disk.” Edward R S Ross, University of Manchester.2009

PATENTS HELD:

U.S Patent Anterior osteosynthesis plate for lumbar vertebrae or sacral lumbar
6565571 vertebrae and instrument. May 20, 2003

The invention relates to an anterior osteosynthesis plate for lumbar-lumbar or lumbar-sacral vertebrae.

U.S Patent Prosthetic disc replacement implant. July 25, 2000
6093205

The invention relates to a prosthesis for the replacement of an intervertebral disc of the spine comprises a block of an elastomeric material, which is held under compression by an encapsulating textile fabric.