

Laminectomy

[View the current Laminectomy InDepth page on BioPortfolio.com \(PDF\)](#)

(<http://www.bioportfolio.com/indepth/Laminectomy.html>) - Regularly Updated.

Laminectomy is a surgical procedure for treating spinal stenosis by relieving pressure on the spinal cord. The lamina of the vertebra is removed or trimmed to widen the spinal canal and create more space for the spinal nerves. The first laminectomy was performed in 1887 by Dr. Victor Alexander Haden Horsley, a professor of surgery at the University College London. He was lauded for his breakthrough procedure. A common type of laminectomy is performed to permit the removal or reshaping of a spinal disc as part of a lumbar discectomy. This is a treatment for a herniated disc, bulging or degenerated disc. ([From the Wikipedia article Laminectomy](#) .)



Recent Publications on Laminectomy:

- [Reduction in postlaminectomy epidural adhesions in sheep using a fibrin sealant-based medicated adhesion barrier.](#)
Epidural adhesion formation is believed to be a central governing factor... 21st November, 2009
Kuros Biosurgery, Zurich, Switzerland.- J Biomed Mater Res B Appl Biomater. 2009 Nov 19. ([DOI Direct Link](#))
- [The Prevalence and Pathogenesis of Synovial Cysts Within the Ligamentum Flavum in Patients With Lumbar Spinal Stenosis and Radiculopathy.](#)
STUDY DESIGN.: A clinicopathologic study of synovial cysts in the... 21st November, 2009
From the *The Adelaide Centre for Spinal Research and Hanson Institute,- Spine (Phila Pa 1976). 2009 Nov 1;34(23):2518-2524. ([DOI Direct Link](#))
- [Pentax-AWS videolaryngoscope for awake nasal intubation in patients with unstable necks.](#)
In patients with unstable necks and at risk of pulmonary aspiration, awake... 20th November, 2009
Department of Anaesthesiology, Kansai Medical University, 10-15- Br J Anaesth. 2009 Nov 18. ([DOI Direct Link](#))
- [Familial ALS with SOD1 mutation misdiagnosed with polyradiculopathy and myopathy.](#)
We report a 54-year-old male with progressive and asymmetrical lower... 20th November, 2009
Neuromuscular Center, Neurological Institute, Cleveland Clinic,- Amyotroph Lateral Scler. 2009;10(5-6):476-478.
- [New presenting symptoms of Chiari I malformation: report of two cases.](#)
OBJECTIVE: Chiari Malformation type I nowadays represents one of the most... 19th November, 2009
Paediatric Neurosurgery, Birmingham Children's Hospital, Birmingham, UK,- Childs Nerv Syst. 2009 Nov 18. ([DOI Direct Link](#))
- [Bone morphogenetic protein-2 used in spinal fusion with spinal cord injury penetrates intrathecally and elicits a functional signaling cascade.](#)
BACKGROUND CONTEXT: The use of recombinant human bone morphogenetic... 17th November, 2009

Department of Pharmacology, Uniformed Services University of Health- Spine J. 2009 Nov 13. ([DOI Direct Link](#))

- [Intradural spinal metastasis to the cauda equina in renal cell carcinoma: a case report and review of the literature.](#)

STUDY DESIGN: Case description. OBJECTIVES: To describe a case of... 17th November, 2009
Department of Neurosurgery, Dong Gwang Ju Woori Hospital, Gwangju, Korea.- Spine (Phila Pa 1976). 2009 Nov 15;34(24):E892-5. ([DOI Direct Link](#))

- [Primary NK/T-cell lymphoma of the cauda equina: a case report and literature review.](#)

STUDY DESIGN: A case report with a review of the literature. OBJECTIVE: To... 17th November, 2009
Department of Orthopaedic Surgery, Izumi Municipal Hospital, and- Spine (Phila Pa 1976). 2009 Nov 15;34(24):E882-5. ([DOI Direct Link](#))

- [Congenital Tumors of the Central Nervous System: The MCH Experience.](#)

Introduction: Congenital brain tumors in the younger pediatric population... 13th November, 2009
Division of Neurosurgery, The Ottawa Hospital, Ottawa, Ont., Canada.- *Pediatr Neurosurg.* 2009 Nov 11;45(5):368-374. ([DOI Direct Link](#))

- [\[Surgical treatment for lumbar spinal stenosis by different methods\]](#)

OBJECTIVE: To discuss the relationship between decompression methods of... 12th November, 2009
Department of Orthopaedics, Tongde Hospital of Zhejiang Province, Hangzhou- *Zhongguo Gu Shang.* 2009 Oct;22(10):738-40.

- [Multiple extradural spinal arachnoid cysts causing diffuse myelomalacia of the spinal cord.](#)

INTRODUCTION: Extradural spinal cyst is a rare cause of compression... 11th November, 2009
Department of Radiology, Baskent University School Medicine, Alanya- *Neurologist.* 2009 Nov;15(6):347-50. ([DOI Direct Link](#))

- [Minimum 2-year follow-up result of degenerative spinal stenosis treated with interspinous u \(coflex\).](#)

OBJECTIVE: Clinical and radiological results of posterior dynamic... 7th November, 2009
Department of Neurosurgery, Seoul National University Bundang Hospital,- *J Korean Neurosurg Soc.* 2009 Oct;46(4):292-9. Epub 2009 Oct 31. ([DOI Direct Link](#))

- [Change of lumbar motion after multi-level posterior dynamic stabilization with bioflex system : 1 year follow up.](#)

OBJECTIVE: This study examined the change of range of motion (ROM) at the... 7th November, 2009
Department of Neurosurgery, National Health Insurance Corporation Ilsan- *J Korean Neurosurg Soc.* 2009 Oct;46(4):285-91. Epub 2009 Oct 31. ([DOI Direct Link](#))

- [An unusually rapid spontaneous recovery in a patient with spinal epidural hematoma.](#)

Background: Spontaneous epidural hematoma is a rare condition, which... 7th November, 2009
Department of Orthopedic Surgery, Chiba Rosai Hospital, Ichihara, Chiba,- *J Emerg Med.* 2009 Nov 4. ([DOI Direct Link](#))

- [Liver X receptor agonist treatment regulates inflammatory response after spinal cord trauma.](#)

LXRalpha and LXRbeta are members of the nuclear receptor superfamily of... 7th November, 2009
Department of Clinical and Experimental Medicine and Pharmacology, School- *J Neurochem.* 2009 Nov 4. ([DOI Direct Link](#))

Laminectomy Patents:



- 7524640- [Inhibiting Smad2/3 signaling promotes neurite outgrowth in dorsal root ganglia](#)

- 7553923- [Medical devices and applications of polyhydroxyalkanoate polymers](#)
- 7555343- [Devices and methods for selective surgical removal of tissue](#)
- 7555349- [Lead body and method of lead body construction](#)
- 7556601- [Systems and techniques for illuminating a surgical space](#)
- 7556650- [Methods for injecting a curable biomaterial into an intervertebral space](#)
- 7559942- [Spine stabilization system](#)
- 7560102- [Method for reducing neuronal degeneration so as to ameliorate the effects of injury or disease](#)
- 7563283- [Non-linear artificial ligament system](#)
- 7569056- [Methods and apparatus for forming shaped axial bores through spinal vertebrae](#)
- 7569222- [Hydrogel membrane composition and use thereof](#)
- 7553307- [Devices and methods for tissue modification](#)
- 7547324- [Spinal mobility preservation apparatus having an expandable membrane](#)
- 7547317- [Methods of performing procedures in the spine](#)
- 7524887- [2-amino-1,3-propanediol compounds for the treatment of acute pain](#)
- 7528152- [Hemiasterlin derivatives and uses thereof in the treatment of cancer](#)
- 7530993- [Method of spinal fixation](#)
- 7531167- [Herpes simplex virus vector](#)
- 7531190- [Porous ceramic structure containing biologics](#)
- 7534267- [Methods of installing a vertebral defect device](#)
- 7534803- [Method of treating demyelinating diseases or conditions](#)
- 7537754- [Polymerizable emulsions for tissue engineering](#)
- 7537782- [Methods for governing bone growth](#)
- 7546164- [Electrical tissue stimulation apparatus and method](#)
- 7572251- [Systems and methods for electrosurgical tissue treatment](#)
- 7578819- [Spinal access and neural localization](#)
- 7608104- [Prostheses, tools and methods for replacement of natural facet joints with artificial facet joint surfaces](#)
- 7608105- [Methods of inserting conically-shaped fusion cages](#)
- 7608106- [Facet arthroplasty devices and methods](#)
- 7608113- [Demineralized bone implants](#)
- 7610096- [Methods for treating central nervous system damage](#)
- 7611526- [Spinous process reinforcement device and method](#)
- 7612094- [Tri-substituted heteroaryls and methods of making and using the same](#)
- 7612111- [Esterified fatty acid composition](#)
- 7613519- [Peripheral nerve stimulation to treat auditory dysfunction](#)
- 7613520- [Spinal cord stimulation to treat auditory dysfunction](#)
- 7608077- [Method and apparatus for spinal distraction and fusion](#)
- 7604652- [Spinal prosthesis](#)
- 7601171- [Spinal motion preservation assemblies](#)
- 7582680- [Methods and compositions for treating mammalian spinal cord injuries](#)
- 7585300- [Dissecting high speed burr for spinal surgery](#)
- 7585316- [Interspinous spacer](#)
- 7585976- [Hemiasterlin derivatives and uses thereof](#)
- 7588574- [Kits for enabling axial access and procedures in the spine](#)
- 7590454- [Modular stimulation lead network](#)
- 7591837- [Facet triangle spinal fixation device and method of use](#)
- 7592017- [Resorbable thin membranes](#)
- 7597695- [Posterior oblique lumbar arthrodesis](#)
- 7597712- [Method for treating a patient using a cultured connective tissue construct](#)
- 7619009- [Systems and methods for controlling and forming polymer gels](#)

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Stafford House, 10 Prince of Wales Road, Dorchester, Dorset, DT1 1PW, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2009 - BioPortfolio Limited.

