

## Spinal Fusion

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### Recent Publications on Spinal Fusion:



- [Accelerating autograft maturation in instrumented posterolateral lumbar spinal fusions without donor site morbidity.](#)  
*Properly harvested iliac crest bone autograft applied to a meticulously...*12th November, 2009  
Rogozinski Orthopedic Clinic, Jacksonville, Florida 32216, USA.- Orthopedics. 2009 Nov;32(11):809.  
doi: 10.3928/01477447-20090922-07. ([DOI Direct Link](#))
- [\[Treatment of lumbar intervertebral disc herniation accompanying with lumbar instability with internal fixation and spinal fusion\]](#)  
*OBJECTIVE: To explore operative effect of lumbar intervertebral disc...*12th November, 2009  
Department of Orthopaedics, the 1st People's Hospital of Yangzhou City,- Zhongguo Gu Shang. 2009 Oct;22(10):755-6.
- [Catastrophic complication of chiropractic manipulation: a report of quadriplegia.](#)  
*The study is a retrospective case series. The objective is to review the...*11th November, 2009  
- Am J Med. 2009 Nov;122(11):e3-4. ([DOI Direct Link](#))
- [Time-dependent failure in load-bearing polymers: a potential hazard in structural applications of polylactides.](#)  
*With their excellent biocompatibility and relatively high mechanical...*10th November, 2009  
Department of Orthopaedic Surgery, VU University Medical Centre, P.O. Box- J Mater Sci Mater Med. 2009 Nov 7. ([DOI Direct Link](#))
- [Evaluation of Spinal Fusion Using Bone Marrow Derived Mesenchymal Stem Cells with or without Fibroblast Growth Factor-4.](#)  
*OBJECTIVE: In this study, the authors assessed the ability of rat bone...*7th November, 2009  
Department of Neurosurgery, School of Medicine, Inha University, Incheon,- J Korean Neurosurg Soc. 2009 Oct;46(4):397-402. Epub 2009 Oct 31. ([DOI Direct Link](#))
- [Bone morphogenetic proteins in orthopaedic surgery.](#)  
*Bone healing is a predictable process that has a high rate of success. For...*7th November, 2009  
Department of Orthopaedic Surgery, Boston University Medical Center,- Cytokine Growth Factor Rev. 2009 Nov 3. ([DOI Direct Link](#))
- [The surgical treatment of the osteoporotic vertebral compression fracture in the elderly patients with the spinal instrumentation.](#)  
*The study was to present the results of the surgical treatment using the...*7th November, 2009  
Department of Orthopedic Surgery, Faculty of Medicine, Siriraj Hospital,- J Med Assoc Thai. 2009 Sep;92 Suppl5:S109-15.
- [Our Experiences Managing a Patient With Mandibular Duplication and Cervical Spinal Fusion.](#)

- A patient with Klippel-Feil syndrome, which was associated with Pierre...*4th November, 2009  
From the Craniofacial Unit, Department of Plastic and Reconstructive- J Craniofac Surg. 2009 Oct 30. ([DOI Direct Link](#))
- [Accuracy of free-hand placement of thoracic pedicle screws in adolescent idiopathic scoliosis: how much of a difference does surgeon experience make?](#)  
*The use of thoracic pedicle screws for the treatment of adolescent...*3rd November, 2009  
Shriners Hospitals for Children, Philadelphia, 3551 North Broad Street,- Eur Spine J. 2009 Oct 29. ([DOI Direct Link](#))
  - [The use of recombinant human BMP-2 as a salvage procedure in the pediatric spine: a report on 3 cases.](#)  
*The study is a retrospective case series. The objective is to review the...*31st October, 2009  
Department of Pediatric Orthopedic Surgery, Altonaer Children's Hospital,- Eur Spine J. 2009 Oct 30. ([DOI Direct Link](#))
  - [Overview of disc arthroplasty-past, present and future.](#)  
*Degenerative disc disease is one of the most frequent spinal disorders....*22nd October, 2009  
Schulthess Clinic, Spine Centre, Lengghalde 2, 8008, Zurich, Switzerland,- Acta Neurochir (Wien). 2009 Oct 21. ([DOI Direct Link](#))
  - [Concomitant correction of spinal deformity and spasticity management with posterior instrumentation and baclofen pump implantation.](#)  
*Patients with spastic quadriplegia secondary to cerebral palsy manifest...*22nd October, 2009  
Department of Orthopaedic Surgery, Wake Forest University School of- J Surg Orthop Adv. 2009 Fall;18(3):155-8.
  - [Profound intraoperative metabolic acidosis and hypotension in a child undergoing multilevel spinal fusion.](#)  
*The prone position may cause cardiovascular system depression. Yet, the...*21st October, 2009  
Department of Anesthesiology, The Children's Hospital, University of- Case Report Med. 2009;2009:190263. Epub 2009 Oct 18. ([DOI Direct Link](#))
  - [Evaluation of hydroxyapatite and beta-tricalcium phosphate mixed with bone marrow aspirate as a bone graft substitute for posterolateral spinal fusion.](#)  
*BACKGROUND: Autologous cancellous bone is the most effective biological...*20th October, 2009  
Department of Orthopaedic Surgery, Himalayan Institute of Medical- Indian J Orthop. 2009 Jul;43(3):234-9. ([DOI Direct Link](#))
  - [Transpedicular aspiration of osteoprogenitor cells from the vertebral body: progenitor cell concentrations affected by serial aspiration.](#)  
*BACKGROUND CONTEXT: Spinal fusion is facilitated when the fusion site is...*20th October, 2009  
Department of Orthopaedic Surgery, The Cleveland Clinic Center for Spine- Spine J. 2009 Oct 15. ([DOI Direct Link](#))

## BioNews Results for Spinal Fusion

- [Perioperative Vision Loss Most Common After Cardiac Surgery or Spinal Fusion](#)  
*Medscape: Nov 13 2009 11:19PM Matching: spinal fusion*
- [Medtronic launches spinal fusion product in US](#)  
*Clinica: Nov 13 2009 4:42PM Matching: spinal fusion*
- [Custom Spine Launches Pathway AVID and Regent ACP at NASS](#)  
*TickerTech.com: Nov 13 2009 8:09PM Matching: spinal fusion*
- [Medtronic unveils device, Wright gets approval for hip-resurfacing tool](#)  
*SmartBrief: Nov 12 2009 6:42PM Matching: spinal fusion*
- [Osteotech Highlights Three Procedure-Specific MagniFuse\(TM\) Bone Grafting Products at the NASS 2009 Annual Meeting](#)

- SmartBrief: Nov 12 2009 9:51PM Matching: spinal fusion*
- [Integra Spine Launches the Paramount\(R\) Minimally Invasive System at the North American Spine Societ](#)  
*Interest!ALERT: Nov 11 2009 12:28PM Matching: spinal fusion*
  - [Medtronic Introduces MASTERGRAFT Strip for Spinal Surgeries](#)  
*Yahoo! Canada: Nov 11 2009 3:55PM Matching: spinal fusion*
  - [Osteotech Highlights Three Procedure-Specific MagniFuse\(TM\) Bone Grafting Products at the NASS 2009 Annual Mee](#)  
*KOTA Territory News: Nov 11 2009 1:04PM Matching: spinal fusion*
  - [Osteotech Highlights Three Procedure-Specific MagniFuse\(TM\) Bone Grafting Products at the NASS 2009 Annual Meeting Used in 40 Surgeries To Date, Magn](#)  
*Yahoo! Canada: Nov 11 2009 11:54AM Matching: spinal fusion*
  - [Osteotech, Inc. \(OSTE\) Highlights Three Procedure-Specific MagniFuse\(TM\) Bone Grafting Products at the NASS 20](#)  
*BioSpace: Nov 11 2009 7:43PM Matching: spinal fusion*
  - [Osteotech Highlights Three Procedure-Specific MagniFuse\(TM\) Bone Grafting Products at the NASS 2009 Annual Mee](#)  
*Montana's News Station: Nov 11 2009 3:24PM Matching: spinal fusion*
  - [Osteotech highlights Magnifuse bone grafting products at NASS Annual Meeting](#)  
*News-Medical.Net: Nov 11 2009 12:14PM Matching: spinal fusion*
  - [Facet buys defunct Archus to reach lumbar leadership](#)  
*Clinica: Nov 10 2009 5:18PM Matching: spinal fusion*
  - [Spinal fusion surgery over-servicing](#)  
*6minutes.net.au: Nov 9 2009 4:23AM Matching: spinal fusion*
  - [Titan Spine Appoints Accomplished Spine Surgeon Paul Slosar, MD as Medical Director](#)  
*Genetic Engineering News: Nov 9 2009 11:46AM Matching: spinal fusion*

### Spinal Fusion Clinical Trials:



- [The Use of Intraoperative Intrathecal Morphine Versus Epidural Extended Release Morphine for Postoperative Pain Control in Pediatric Patients Undergoing Posterior Spinal Fusion](#)

### Spinal Fusion Patents:



- 7566345- [Prosthesis for the replacement of a posterior element of a vertebra](#)
- 7585300- [Dissecting high speed burr for spinal surgery](#)
- 7585314- [Device for interconnecting components in spinal instrumentation](#)

- 7585316- [Interspinous spacer](#)
- 7585848- [Methods and compositions for treating, inhibiting and reversing disorders of the intervertebral disc](#)
- 7588202- [Apparatus for milling material](#)
- 7588574- [Kits for enabling axial access and procedures in the spine](#)
- 7588578- [Surgical measurement systems and methods](#)
- 7588589- [Posterior spinal reconstruction system](#)
- 7588590- [Spinal facet implant with spherical implant apposition surface and bone bed and methods of use](#)
- 7588592- [System and method for immobilizing adjacent spinous processes](#)
- 7582106- [Formable orthopedic fixation system with cross linking](#)
- 7582058- [Surgical access system and related methods](#)
- 7566346- [Prosthetic implant and method](#)
- 7569054- [Tubular member having a passage and opposed bone contacting extensions](#)
- 7569056- [Methods and apparatus for forming shaped axial bores through spinal vertebrae](#)
- 7569069- [Transverse connector for rod-based spinal implants](#)
- 7569227- [Monomeric protein of the TGF-.beta. family](#)
- 7572263- [High pressure applicator](#)
- 7572282- [Spinal fixation plates and plate extensions](#)
- 7575628- [Hydraulic cement compositions and methods of making and using the same](#)
- 7578819- [Spinal access and neural localization](#)
- 7578834- [Devices and methods for the preservation of spinal prosthesis function](#)
- 7588593- [Pedicle screw with vertical adjustment](#)
- 7588599- [Interbody cage system](#)
- 7591840- [Orthopedic fusion plate having both active and passive subsidence controlling features](#)
- 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](#)
- 7608107- [Expandable implant with interlocking walls and method for use thereof](#)
- 7608281- [Composition and use of RAR antagonists for promoting chondrogenesis](#)
- 7608637- [Pharmaceutical composition for treatment of diseases associated with decrease in bone mass comprising EP4 agonist as the active ingredient](#)
- 7611526- [Spinous process reinforcement device and method](#)
- 7611536- [Hemi-interbody spinal fusion implants manufactured from a major long bone ring](#)
- 7615052- [Surgical instrument and method](#)
- 7615070- [Electro-stimulation and medical delivery device](#)
- 7608077- [Method and apparatus for spinal distraction and fusion](#)
- 7604655- [Bone fixation system and method for using the same](#)
- 7591853- [Rail-based modular disc nucleus prosthesis](#)
- 7594932- [Apparatus for anterior intervertebral spinal fixation and fusion](#)
- 7595043- [Method for processing and using adipose-derived stem cells](#)
- 7597687- [Injection of fibrin sealant including an anesthetic in spinal applications](#)
- 7598219- [Implants comprising an osteoinductive factor and a contrast agent compatible therewith](#)
- 7601171- [Spinal motion preservation assemblies](#)
- 7601172- [Mechanical apparatus and method for artificial disc replacement](#)
- 7604638- [Instruments and methods for holding a bone plate](#)
- 7604652- [Spinal prosthesis](#)
- 7604654- [Apparatus and method for dynamic vertebral stabilization](#)
- 7615079- [Monorail system](#)

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