



Dr. Jang Jee-soo, MD, PhD

President of Suwon Nanoori Hospital

[Special Areas]

- Complex multiplanar spinal deformity: adult deformity, anterior and/or posterior approaches, osteotomies, spinal tumor
- Minimally invasive cervical, thoracic and lumbar spine surgery
- Sponylolisthesis, lumbar spine stenosis and instability
- Surgical solutions for radicular pain and weakness due to spinal pathology
- Endoscopic spine surgery

[Language]

English, Korean

[Academic Background and Work Experience]

2013-Present Department of Neurosurgery, Suwon Nanoori Hospital, President

2010-2013 Korea Spine Deformity Society, President

2010-2013 Department of Neurosurgery, Cheongdam Wooridul Spine Hospital, President

2004-2010 Department of Neurosurgery, Seoul Wooridul Hospital, President
2002-2004 Department of Neurosurgery, Gwangju Wooridul Spine Hospital, President
2000-2002 Department of Neurosurgery, Wooridul Spine Hospital, Training Director
1995-2000 Chief, section III(Spine), Department of Neurosurgery, Korea Cancer Center Hospital,
1995-2000 Chief, Pain Clinic, Korea Cancer Center Hospital
1988-1995 Medical officers, Chief Neurosurgeon, Department of Neurosurgery, Kwang Joo Veterance Hospital
1999-2000 Spine Fellowship, Dept. of Orthopedics, Spine Center State University of New York, C, Syracuse
1989 Ph.D. (Neurosurgery), Chung-ang University, College of Medicine
1985 M.S.(Neurosurgery), Chung-ang University, College of Medicine
1983 Bachelor, M.D., Chung-ang University, College of Medicine

[Professional Memberships]

2010-2013 The Journal of Critical Spine Cases (JCSC), Senior Editor in Chief
2007-2010 The Journal of Critical Spine Cases (JCSC), Editor in Chief
Member of the NASS (North American Spine Society)
Member of the Korean Neurosurgical Spine Society
President of Korea Spine deformity Society
Review board of official journal of Korea Spinal Neurosurgery Society

[Publications-Text Books]

Kim SK, Lee SH, Jang JS. Perkutan Transforaminal Endoskopik Lomber Diskektomi : Guncel Kavram ve Teknik. In: Tarik Yazar, Necdet Altun (eds). Dejeneratif Omurga Hastalıkları. pp. 471-486, 2007

Jang JS. Degenerative Spinal Deformity. In: The textbook of Spine. pp. 995-1013. 2008

Shim CS, Jang JS, Lee SH. Percutaneous translaminar facet pedicle screw fixation. In: Minimally Invasive Percutaneous Spinal Techniques. Sunders, Elsevier, chapter 31, p388-394

Jang JS, Jin DG. Posterior Smith Petersen Osteotomy, Pedicle Subtraction, and Vertebral Column Resection Osteotomy Techniques. Koonja Publishing INC, Chapter 51, p435-444

[International Journal (SCI)]

Jang JS, Seok JS, Choi DY, Rhim KS. Fracture of the Dorsum Sella. J Korean Neurosurg Soc. 1985 Sep;14(3):565-568.

Jang JS, Lee KC, Suh KW, Phim KS. The Change of Total Ascorbic Acid Level in the Experimental Spinal Cord Injury. J Korean Neurosurg Soc. 1986 Sep;15(3):521-524.

Jang JS, Hwang SN, Choi DY, Choi SY, Kim SI. Case of Racemose Cysticercus Infection. J Korean Neurosurg Soc. 1986 Dec;15(4):841-848.

Lee SK, Jang JS, Suk JS, Choi DY, Rhim KS. Delayed Epidural Hematoma. J Korean Neurosurg Soc. 1986 Dec;15(4):627-634.

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Jang JS, Song JW, Youn SM, Lee SH, Rhee CH. Contralateral Trigeminal Neuralgia Caused by Acoustic Neurinoma. J Korean Neurosurg Soc. 1996 Mar;25(3):641-644.

Song JW, Yoon SM, Rhee CH, Jang JS, Lee SH, Cho KJ, Kang SK. Intracranial Metastatic Adenoid Cystic Carcinoma: Report of Two Cases. J Korean Neurosurg Soc. 1996 Oct;25(10):2090-2093.

Jang JS, Song JW, Youn SM, Rhee CH, Lee SH. Treatment of Recurrent Gliomas with PCV Chemotherapy : A Preliminary Report. J Korean Neurosurg Soc. 1996 Nov;25(11):2229-2233.

Jang JS, Kim JK, Song JW, Youn SM, Rhee CH, Lee SH. Brain Stem Gliomas in Adult: Correlation between MRI, Clinical Findings and Outcome: Preliminary Report. J Korean Neurosurg Soc. 1997 Apr;26(4):518-525.

Jang JS, Kim JK, Park WM, Rhee CH, Lee SH. A Clinical Analysis of Metastatic Spine Tumors: Analysis of Prognostic Factors and Scoring System for Prognostic Evaluation. J Korean Neurosurg Soc. 1998 Jun;27(6):727-733.

Lee SH, Yoo H, Lee JH, Cho KJ, Rhee CH, Jang JS, Kim JH. Multiple intraparenchymal schwannomas in the cerebellum, brainstem, and cervical spinal cord. Acta Neurochir (Wien). 1999;141(7):779-780.

Kim JK, Song JW, Park WM, Jang JS, Rhee CH, Lee SH. Three Cases of Primary Spinal Malignant Schwannomas: Case Reports. J Korean Neurosurg Soc. 1999 May;28(5):720-725.

Yoo H, Rhee CH, Yoon SM, Song JW, JK, Park WM, Jang JS, Lee SH, Kim JH. Clinical Analysis of 178 Metastatic Brain Tumors. J Korean Neurosurg Soc. 1999 Aug;28(8):1185-1193.

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Jang JS, Kim JK, Park WM, Heon Y, Rhee CH, Lee SH. One-Stage Vertebral Reconstruction Combined with Posterior Instrumentation by Posterolateral Approach for Spinal Metastasis. J Korean Neurosurg Soc. 1999 Oct;28(10):1485-1490.

Kim JK, Jang JS, Song JW, Park WM, Yoo H, Rhee CH, Lee SH. Clinical Analysis on Open Thoracic Cordotomy of the Cancer Pain. J Korean Neurosurg Soc. 1999 Nov;28(11):1569-1572.

Park WM, Jang JS, Rhee CH, Gwak HS, Lee SH. Percutaneous Vertebroplasty in Spinal Metastasis and Myeloma: 25 Cases Experience. J Korean Neurosurg Soc. 2000 Nov;29(11):1484-1490.

Jang JS, Lee WB, Yuan HA. Use of a guide device to place pedicle screws in the thoracic spine: a cadaveric study. Technical note. J Neurosurg Spine. 2001 Apr;94(2 Suppl):328-333.

Jang JS, Lee SH, Rhee CH, Lee SH. Polymethylmethacrylate-augmented screw fixation for stabilization in metastatic spinal tumors. Technical note. J Neurosurg Spine. 2002 Jan;96(1 Suppl):131-134.

Jang JS, Lee SH, Jung SK. Pulmonary embolism of polymethylmethacrylate after percutaneous vertebroplasty: a report of three cases. Spine. 2002 Oct 1;27(19):E416-8.

Jang JS, Lee SH, Kim KT, Kim BS, Lee WB. A Biomechanical Study on the Pull-Out Strength of Pedicle Screw Augmented with Polymethylmethacrylate(PMMA)-Cadaveric Study- J Korean Neurosurg Soc. 2002 Jan;31(1):45-49.

Jang JS, Lee SH, Kim KT, Kim BS, Lee WB. A Biomechanical Study on the Pull-Out Strength of Pedicle Screw Augmented with Polymethylmethacrylate(PMMA) - Cadaveric Study -. J Korean Neurosurg Soc. 2002 Jan;31(1):45-49.

Jang JS, Lee SH, Lim SR. Guide device for percutaneous placement of translaminar facet screws after anterior lumbar interbody fusion. Technical note. J Neurosurg Spine. 2003 Jan;98(1 Suppl):100-3.

Jang JS, Kim DY, Lee SH. Efficacy of percutaneous vertebroplasty in the treatment of intravertebral pseudarthrosis associated with noninfected avascular necrosis of the vertebral body. Spine. 2003 Jul 15;28(14):1588-92.

Chung SK, Lee SH, Lim SR, Kim DY, Jang JS, Nam KS, Lee HY. Comparative study of laparoscopic L5-S1 fusion versus open mini-ALIF, with a minimum 2-year follow-up. Eur Spine J. 2003 Dec;12(6):613-7.

Jang JS, Lee SH. Multiple Intramedullary and Intradural Epidermoid Cysts in the Conus Medullaris and the Lumbar Spine: Case Report. J Korean Neurosurg Soc. 2003 May;33(5):512-513.

Jang JS, Jung BJ, Lee SH. Pedicle Subtraction and Extension Wedge Osteotomy for the Correction of Fixed Kyphotic Deformity of the Lumbar Spine: Technical Note. J Korean Neurosurg Soc. 2003 Feb;33(2):230-233.

Kim DY, Lee SH, Jang JS, Chung SK, Lee HY. Intravertebral vacuum phenomenon in osteoporotic compression fracture: report of 67 cases with quantitative evaluation of intravertebral instability. J Neurosurg Spine. 2004 Jan;100(1 Suppl):24-31.

Jang JS, An SH, Lee SH. Clinical Analysis of Extraforaminal Entrapment of L5 in the Lumbosacral Spine. J Korean Neurosurg Soc. 2004 Nov;36(5):383-387

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Jang JS, Lee SH. Clinical analysis of percutaneous facet screw fixation after anterior lumbar interbody fusion. J Neurosurg Spine. 2005 Jul;3(1):40-6.

Jang JS, Lee SH. Minimally invasive transforaminal lumbar interbody fusion with ipsilateral pedicle screw and contralateral facet screw fixation. J Neurosurg Spine. 2005 Sep;3(3):218-23.

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Pedicle Screw Fixation for Elderly Isthmic Spondylolisthesis. J Korean Neurosurg Soc. 2006 Sep;40(3):175-179.

Kim SY, Jang JS, Lee SH. Posterior Atlantoaxial Fixation with a Combination of Pedicle Screws and a Laminar Screw in the Axis for a Unilateral High-riding Vertebral Artery. J Korean Neurosurg Soc. 2007 Feb;41(2):141-144.

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Min JH, Jang JS, Lee SH. Clinical significance of redundant nerve roots of the cauda equina in lumbar spinal stenosis. Clin Neurol Neurosurg. 2008 Jan;110(1):14-8. Epub 2007 Sep 18

Kim SY, Meang DH, Lee SH, Jang JS. Anterior Lumbar Interbody Fusion for Lumbosacral Junction in Steep Sacral Slope. J Spinal Disord Tech. 2008 Feb;21(1):33-38.

Min JH, Jang JS, Lee SH. Clinical Results of Ossification of the Posterior Longitudinal Ligament (OPLL) of the Thoracic Spine Treated by Anterior Decompression. J Spinal Disord Tech. 2008 April;21(2):116-119

Min JH, Jang JS, Jung BJ, Lee HY, Choi WC, Shim CS, Choi G. The Clinical Characteristics and Risk Factors for the Adjacent Segment Degeneration in Instrumented Lumbar Fusion. J Spinal Disord Tech 2008 July;21:305-309

Jang JS, Lee SH, Kim JM, Min JH, Han KM, Maeng DH. Can patients with sagittally well-compensated lumbar degenerative kyphosis benefit from surgical treatment for intractable back pain? Neurosurgery. 2009 Jan;64(1):115-21; discussion 121

Jang JS, Lee SH, Min JH, Maeng DH. Influence of lumbar lordosis restoration on thoracic curve and sagittal position in lumbar degenerative kyphosis patients. Spine. 2009 Feb 1;34(3):280-4

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[International Journal (Non-SCI)]

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Hwang SW, Jung TG, Lee SH, Jang JS. Surgical Treatment of Thoracic Tuberculous Spondylitis Refractory to Anti-Tbc Medication. JCSC. 2008 Nov;1(1):25-27

Lee BH, Jang JS, Kim SK. Syringomyelia Secondary to Tuberculous Spinal Kyphosis. JCSC. 2008 Nov;1(1):28-29

Choi KB, Jang JS, Lee SH. Repeated Vertebral Body Fracture at a Different Level due to Sagittal Imbalance. JCSC. 2008 Nov;1(1):48-51

Won JH, Jang JS. Lumbar Degenerative Kyphosis-Segmentation of Surgery. JCSC. 2008 Nov;1(1):52-54

Choi KB, Jang JS, Lee SH. Revision Surgery due to Sagittal Imbalance. JCSC. 2008 Nov;1(1):55-57

Choi KB, Jang JS, Lee SH. Postoperative Acute Spinal Subdural Hematoma Associated with Low-Dose Aspirin Therapy: Report of 2 Cases. JCSC. 2008 Nov;1(1):64-68

Kim SK, Hwang SW, Jang JS, Lee SH, Kim HS. Cement Leakage into Inferior Vena Cava Through Intravertebral Venous Drainage Following Percutaneous Vertebroplasty. JCSC. 2008 Nov;1(1):69-71

Lee BH, Jang JS, Lee SH, Choi WG. Complications Related to Dural Tearing during Transforaminal Percutaneous Endoscopic Discectomy: 2 Cases. JCSC. 2008 Nov;1(1):72-74

Lee BH, Jang JS. Post-Operative Pyogenic Spondylodiscitis. JCSC. 2008 Nov;1(1):81-83

Kim SK, Hwang SW, Moon KH, Jang JS, Lee SH. Sacroiliac Joint Syndrome Caused by Percutaneous Rod Insertion after Spinal Fusion Surgery: Report of 2 Cases. JCSC. 2008 Nov;1(1):88-91

Choi KB, Jang JS, Lee SH. Fusion Failure of L5-S1. JCSC. 2008 Nov;1(1):98-100

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Hwang SW, Kim SK, Jang JS, Lee SH. Reduction of High-Grade Spondylolytic Spondylolisthesis after Anterior Lumbar Interbody Fusion and Percutaneous Pedicle Screw Fixation System. JCSC. 2009 May;2(1):6-8

Kim SB, Jang JS. Hidden Ruptured Disc Proven by Axial Loading Lumbar MRI. JCSC. 2009 May;2(1):9-10

Jang JS. Upper Thoracic Ossification of the Posterior Longitudinal Ligament. JCSC. 2009 May;2(1):21-3

Kim SB, Jang JS. Suddenly Developed Paraparesis Caused by L1-2 Disc Herniation. JCSC. 2009 May;2(1):24-6

Lee BH, Jang JS. Proximal Vertebral Body Fracture after Correction of Sagittal

Imbalance in the Patient 140 with Lumbar Degenerative Kyphosis. JCSC. 2009 May;2(1):40-2

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Moon KH, Won JH, Jang JS, Lee SH.. Intradural HNP with Calcification. JCSC. 2009 Nov;2(2):91-3

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Shin SH, Pee YH, Jang JS, Lee SH. Vertebroplasty and Decompressive Laminectomy for Unstable Burst Fracture in Severe Osteoporosis. JCSC. 2009 Nov;2(2):98-100

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Kim JU, Shin SH, Jang JS, Lee SH. Root Compression Caused by Sacral Fracture Accompanying Lumbar Disc Herniation. JCSC. 2009 Nov;2(2):106-8

Kim JU, Shin SH, Jang JS, Lee SH. Atypical Presentation of Spinal Tuberculosis Misdiagnosed as Herniated Lumbar Disc. JCSC. 2009 Nov;2(2):111-4

Lee JH, Jung TG, Lee SH, Jang JS. Schwannoma of T11-12 Vertebra. JCSC. 2009 Nov;2(2):115-8

Koh HS, Kim JM, Jang JS, Lee SH. Intradural Dermoid Cyst of the Conus Medullaris. JCSC. 2009 Nov;2(2):119-21

Bae JS, Kim HS, Jang JS, Lee SH. Lumbar Radiculopathy Caused by Epidural Lipomatosis. JCSC. 2009 Nov;2(2):122-24

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Jang JS, Kim JU, Shin SH, Lee SH. Strategies for Correction of Progressive Thoracolumbar Kyphosis. JCSC. 2009 Nov;2(2):132-35

Kim JU, Shin SH, Jang JS, Lee SH. Vertebral Column Resection for Traumatic Thoracolumbar Kyphosis. JCSC. 2009 Nov;2(2):136-38

Lee JH, Kim SK, Jang JS, Lee SH. Posterior Occipital Cervical Stabilization of an Unstable Jefferson Fracture after Three Months Halo-Vest Orthosis. JCSC. 2010 May;3(1):18-21

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Bae JS, Jang JS. Thoracic Epidural Abscess Drainage by Epidural Catheterization. J Crit Spine Cases 2011;4:28-30

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Kim J, Lee JH, Cho HL, Park SY, Jang JS. Subsidence after Anterior Cervical Discectomy and Fusion using Zero-P cage: Reports of 2 Cases. J Crit Spine Cases 2012;5:49-52

Oh YS, Bae JS, Jang JS. Cervical Primary Peripheral Primitive Neuroectodermal Tumor (pPNET) Mimicking Schwannoma and Meningioma. J Crit Spine Cases 2012;5:73-76

[Korean Journal]

Jang JS, Lee SH. Failed Back Surgery Syndrome Caused by Failure to Recognize the Compression of the L5 Nerve in the Extraforaminal Zone. Korean J Spine 1:341-346, 2004

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Lee JH, Kim JU, Paeng SS, Jang JS, Lee SH. Solitary Hemangioblastoma at the Filum Terminale: A Case Report and Review of Literature. Korean J Spine. 2011 Jun;8(2):125-128

Vertebroplasty -clinical analysis-: Korean Spine and Pain Research Council 1:25-40, 2000

Jang JS, Lee SH. Postoperative Sagittal Imbalance after Lumbar Fusion Surgery. J of Advanced Spine Surgery 2012;2(1):20-31 medically compromised patients