

Curriculum Vitae

Jun Ho Lee, M.D., PhD

April 3, 2023

1. PERSONAL INFORMATION

Professor
Department of Neurosurgery, Spine Section
Kyung Hee University Medical Centre
23 Kyung Hee Dae Ro, Dong Dae Mun-Gu
Seoul, South KOREA
Post Code 02447
Tel: +82-2-958-8405
Fax: +82-2-958-8385
E-mail: moo9924@khu.ac.kr

2. EDUCATION

March 1990 – February 1996: B.A. Seoul National University College of Medicine, Seoul, Korea

March 2000 – February 2002: Master course, Seoul National University, College of Medicine Graduate School, Seoul, Korea

March 2005 – February 2007: Doctorial course, Seoul National University, College of Medicine Graduate School, Seoul, Korea

3. POSTGRADUATE TRAINING

March 1997 – February 1998: Internship, Seoul National University Hospital, Seoul, Korea

March 1998 – February 2002: Resident, Neurosurgery, Seoul National University Hospital, Seoul, Korea

May 2005 – April 2006: Clinical and Research Fellowship, Neurosurgery, Seoul National University Hospital, Seoul, Korea

4. HOSPITAL APPOINTMENT

April 2002 – March 2003: Chief of Medical Affairs, Recruit Training Center, 55th Infantry Division, Yong In, Gyeong-Gi Do, Korea

April 2003 - April 2005: Director of Department of Neurosurgery, Armed Forces Seoul Hospital, Seoul, Korea

May 2006- February 2016: Chief Neurosurgeon, Wooridul Spine Hospital

March 2016 – August 2021: Associate Professor, Dept of Neurosurgery, Kyung Hee University Medical Centre

September 2021 – currently: Professor, Dept of Neurosurgery, Kyung Hee University Medical Centre

5. ACADEMIC INTERESTS

Minimally invasive spine surgery

Endoscopic cervical spine surgery

Image-guided spine surgery

6. MEMBERSHIP

International member, Tier I, Member's Feedback Committee, North American Spine Society

Member & International Faculty, AOSpine Davos course, Asia-Pacific & North America

Member & Executer, Walter E Dandy Neurosurgical Society

Member, Korean Neurosurgical Society

Member, Korean Spine Neurosurgical Society

7. RECENT PUBLICATIONS (International Journals (SCI and SCIE))

Choi MK, **Lee JH**. Cervical Myelopathy Induced by Posterior Vertebral Body Osteolysis after Cervical Disc Arthroplasty. J Korean Neurosurg Soc. 2023 April Epub ahead of print.

Lee JH, Lee Y, Park HS, **Lee JH**. Comparison of Clinical Efficacy of Transforaminal and Interlaminar Epidural Steroid Injection in Radicular Pain due to Cervical Diseases: A Systematic Review and Meta-analysis. Pain Physician. 2022 Dec;25(9): E1351-E1366.

Kim JS, **Lee JH**, Bae J, Lee DC, Shin SH, Keum HJ, Choi YS, Eun SS, Shin SH, Hong HJ, Kim JY, Kim TH, Lim W, Kim J, Park SM, Park HJ, Lee HJ. Comparative study of the efficacy and safety of minimally invasive interlaminar full-endoscopic discectomy versus conventional

microscopic discectomy in single-level lumbar herniated intervertebral disc (ENDO-F Trial): a multicenter, prospective, randomized controlled trial protocol. *J Orthop Surg Res.* 2022 Mar 28;17(1):187.

Lee JH, Lee DC, **Lee JH**. Does Paramedian Approach Preferentially Secure Optimal Drug Delivery Onto Ventral Epidural Space and Subsequent Superior Clinical Efficacy Over a Dorsal Midline Approach During Cervical Interlaminar Epidural Injection? *Pain Physician.* 2021 Sep; 24(6): E839-E847.

Choi MK, Kim SB, **Lee JH**. A Concomitant Occurrence of the Atlantoaxial Subluxation with Rare Vertebral Formation and Segmentation Defects. *J Korean Neurosurg Soc.* 2021 Sep; 64(5):837-842.

Lee ET, Lee SA, Soh Y, Yoo MC, **Lee JH**, Chon J. Association of Lumbar Paraspinal Muscle Morphometry with Degenerative Spondylolisthesis. *Int J Environ Res Public Health.* 2021 Apr 12; 18(8):4037.

Lee JH, **Lee JH**. The discrepant clinical outcome predictions according to the differentiated centre of rotation shift after multilevel cervical total disc replacement. *British J of Neurosurg* 2020 Dec 28:1-6.

Hofstetter CP, Ahn Y, Choi G, Gibson A, Ruetten S, Zhou Y, Li ZZ, Siepe CJ, Wagner R, **Lee JH**, Sairyo K, Choi KC, Chen CM, Telfeian AE, Zhang XF, Banhot A, Lokhande PV, Prada N, Shen J, Cortinas FC, Brooks NP, Van Daele P, Kotheeranurak V, Hasan S, Keorochana G, Assous M, Härtl R, Kim JS. AOSpine Consensus Paper on Nomenclature for Working-Channel Endoscopic Spinal Procedures. *Global Spine J.* 2020; 10(2 Suppl): 111S-121S. doi:10.1177/2192568219887364

Lin GX, Kotheeranurak V, Mahatthanatrakul A, Ruetten S, Yeung A, Lee SH, Ahn Y, Kim HS, Hofstetter C, **Lee JH**, Choi KC, Lewandrowski KU, Kim JS. Worldwide Research Productivity in the Field of Full-Endoscopic Spine Surgery: A Bibliometric Study. *Eur Spine J* 2020 Jan; 29(1) :153-160. doi: 10.1007/s00586-019-06171-2. Epub 2019 Oct 23

Lee JH, Choi KC, **Lee JH**. Could the splitting of annulus during percutaneous endoscopic lumbar discectomy (PELD) be a culprit for recurrent disc herniation?: An analysis of re-herniation pattern after PELD. *World Neurosurg.* 2019 Dec; 132: e623-e629.

Oh JK, Hong JT, Kang DH, Kim SW, Kim SW, Kim YJ, Chung CK, Shin JJ, Yi S, Lee JK, **Lee JH**, Lee CH, Lee HJ, Chun HJ, Cho DC, Cho YE, Jin YJ, Choi KC, Han IH, Hyun SJ, Hur JW, Kim KJ. Epidemiology of C5 Palsy after Cervical Spine Surgery: A 21-Center Study. *Neurospine*. 2019 Sep;16(3):558-562.

Lee CH, Hong JT, Kang DH, Kim KJ, Kim SW, Kim SW, Kim YJ, Chung CK, Shin JJ, Oh JK, Yi S, Lee JK, **Lee JH**, Lee HJ, Chun HJ, Cho DC, Jin YJ, Choi KC, Han IH, Hyun SJ, Hur JW, Song GS. Epidemiology of Iatrogenic Vertebral Artery Injury in Cervical Spine Surgery: 21 Multicenter Studies. *World Neurosurg*. 2019 Jun;126:e1050-e1054.

Kim CH, Chung CK, Choi Y, Kim MJ, Kim MJ, Shin S, Yang SH, Hwang SH, Kim DH, Park SB, **Lee JH**. Increased Proportion of Fusion Surgery for Degenerative Lumbar Spondylolisthesis and Changes in Reoperation Rate: A Nationwide Cohort Study with a Minimum 5-Year Follow-up. *Spine* 2019 Mar 1; 44(5):346-354.

Kim CH, Chung CK, Kim MJ, Choi Y, Kim MJ, Shin S, Jung JM, Hwang SH, Yang SH, Park SB, **Lee JH**. Increased Volume of Surgery for Lumbar Spinal Stenosis and Changes in Surgical Methods and Outcomes: A Nationwide Cohort Study with a 5-Year Follow-Up. *World Neurosurg*. 2018 Nov; 119:e313-e322.

Kim CH, Chung CK, Kim MJ, Choi Y, Kim MJ, Hahn S, Shin S, Jong JM, **Lee JH**. Increased Volume of Lumbar Surgeries for Herniated Intervertebral Disc Disease and Cost-Effectiveness Analysis: A Nationwide Cohort Study. *Spine* 2018 Apr 15; 43: 585-593.

Choi MK, Kim SB, **Lee JH**. Rare Intractable Cervicalgia Related to Exaggerated Disc Height Distraction: Report of Two Cases and Literature Review. *J Korean Neurosurg Soc*. 2018 Apr 10.

Lee JH, **Lee JH**, Lee SH. Clinical and Radiologic Findings after Multilevel Cervical Total Disk Replacement: Defining Radiologic Changes to Predict Surgical Outcomes. *World Neurosurg*. 2017 Apr; 100:273-279.

Lee JH, Park WM, Kim YH, Jahng TA.

A Biomechanical Analysis of an Artificial Disc With a Shock-absorbing Core Property by Using Whole-cervical Spine Finite Element Analysis. *Spine*. 2016 Aug 1; 41(15):E893-901.

Choi KC, **Lee JH**, Kim JS, Sabal LA, Lee S, Kim H, Lee SH.

Unsuccessful percutaneous endoscopic lumbar discectomy: a single-center experience of 10,228 cases. *Neurosurgery*. 2015 Apr;76(4):372-80

Lee SH, Yoo SH, **Lee JH**

Clinical Significance of Achieving a Flexion Limitation with a Tension Band System in Grade 1 Degenerative Spondylolisthesis: a minimum 5-year follow-up. *Spine J*. 2015 Mar 15; 40(6):E349-58

Lee JH, Lee SH.

Clinical and radiographic changes after percutaneous endoscopic cervical discectomy: a long-term follow-up. *Photomed Laser Surg*. 2014 Dec; 32(12):663-8.

Jang SH, **Lee JH**, Cho JY, Lee HY, Lee SH.

The efficacy of hydroxyapatite for screw augmentation in osteoporotic patients. *Neurol Med Chir (Tokyo)*. 2013; 53(12):875-81. Epub 2013 Nov 8.

Lee JH, Kim JS, **Lee JH**, Chung ER, Shim CS, Lee SH.

Comparison of cervical kinematics between patients with cervical artificial disc replacement and anterior cervical discectomy and fusion for cervical disc herniation. *Spine J*. 2014 Jul 1;14(7):1199-204.

Ahn Y, Kim CH, **Lee JH**, Lee SH, Kim JS.

Radiation exposure to the surgeon during percutaneous endoscopic lumbar discectomy: a prospective study. *Spine (Phila Pa 1976)*. 2013 Apr 1;38(7):617-25.

Lee SH, **Lee JH**, Hong SW, Shim CS, Chung SE, Yoo SH, Lee HY.

Factors affecting clinical outcomes in treating patients with grade 1 degenerative spondylolisthesis using interspinous soft stabilization with a tension band system: a minimum 5-year follow-up. *Spine* 2012 Apr 1;37(7):563-72.

Lee HY, Lee SH, Son HK, Na JH, **Lee JH**, Baek OK, Shim CS.

Comparison of multilevel oblique corpectomy with and without image guided navigation for multi-segmental cervical spondylotic myelopathy. *Comput Aided Surg* 2011;16(1):32-7.

Eun SS, Kim HS, Lee SH, Wei CL, **Lee JH**

Spinal Meningeal Melanocytoma in the S-1 Nerve Root Sheath with Paraspinal Extension Mimicking Schwannoma

World Neurosurgery 2011 Feb 75: 303-306

Ahn Y, Lee HY, Lee SH, **Lee JH**

Dural tears in percutaneous endoscopic lumbar discectomy. Eur Spine J. 2011 Jan;20(1):58-64.

Lee SH, **Lee JH**, Hong SW, Chung SE, Yoo SH, Lee HY

Spinopelvic alignment after interspinous soft stabilization with a tension band system in grade I degenerative spondylolisthesis.

Spine 2010 Jul 35: E691-701.

Ahn Y, **Lee JH**, Kim JU, Liu WC

Transforaminal percutaneous endoscopic lumbar discectomy for upper lumbar disc herniation: clinical outcome prognostic factors and technical consideration.

Acta Neurochirurgica 2009 Feb 151: 199-206.

Choi WC, **Lee JH**, Lee SH

Spinal cord glioblastoma multiforme of conus medullaris masquerading as high lumbar disk herniation.

Surg Neurol 2009 Feb 71: 234-237.

Ahn Y, **Lee JH**, Lee HY, Lee SH, Keem SH

Predictive factors for subsequent vertebral fracture after percutaneous vertebroplasty

J Neurosurg Spine 2008 Aug 9: 129-136.

Lee SH, Ahn Y, **Lee JH**.

Laser-Assisted Anterior Cervical Corpectomy versus Posterior Laminoplasty for Cervical Myelopathic Patients with Multilevel Ossification of the Posterior Longitudinal Ligament.

Photomed Laser Surg. 2008 Apr;26(2):119-127.

Lee SH, **Lee JH**, Choi WC, Jung B, Mehta R.

Anterior minimally invasive approaches for the cervical spine.

Orthop Clin North Am. 2007 Jul;38(3):327-337

Lee JH, Jahng TA, Chung CK.

C1-2 transarticular screw fixation in high-riding vertebral artery: suggestion of new trajectory.
J Spinal Disord Tech. 2007 Oct;20(7):499-504.

Lee JH, Chung CK, Kim HJ

Disparity between MR imaging and histochemical grading in human intervertebral disc degeneration.

J Korean Neurosurg Soc. 2006 Jul;39(6):432-437.

Lee JH, Chung CK, Song IC, Chang KH, Kim HJ

Limited Predictive Ability of Hippocampal Single Voxel MR Spectroscopy in Surgically Proven Epilepsy.

J Korean Neurosurg Soc. 2004 Sep;36(9):192-200.

Lee JH, Chung CK, Song IC, Chang KH, Kim HJ

Limited utility of interictal apparent diffusion coefficient in the evaluation of hippocampal sclerosis

Acta Neurol Scand. 2004 Jul;110(1):53-58.

Lee JH, Oh CW, Lee SH, Han DH

Aplasia of the internal carotid artery

Acta Neurochir (Wien). 2003 Feb;145(2):117-125; discussion 125. Review

Lee JH, Chung CK, Kim HJ

Decompression of the spinal subarachnoid space as a solution for syringomyelia without Chiari malformation

Spinal Cord. 2002 Oct;40(10):501-506

Lee JH, Hwang SK, Gwak HS, Paek SH, Kim DG, Kim HJ, Jung HW

Meningeal hemangiopericytoma : Clinical Features, Treatment and Long-term Outcome

J Korean Neurosurg Soc. 2001 Jul; 30(7): 876 -882

Lee JH, Chung CK, Kim HJ

Cerebral dissection from syringomyelia demonstrated using cine magnetic resonance imaging. Case report.

J Neurosurg. 2001 Feb;94(2):318-321

Lee JH, Chung CK, Choe G, Chi JG, Chang KH, Kim HJ

Combined anomaly of intramedullary arteriovenous malformation and lipomyelomeningocele
Am J Neuroradiol. 2000 Mar;21(3):595-600

Lee JH, Kim DG

Brain abscess related to metal fragments 47 years after head injury. Case report.
J Neurosurg. 2000 Sep;93(3):477-479

Lee JH, Kim CY, Kim DG, Jung HW

Postoperative ectopic seeding of craniopharyngioma. Case illustration.
J Neurosurg. 1999 Apr;90(4):796.

7. OTHER PUBLICATIONS (International Journals, non-SCI)

Lee JH, **Lee JH**. The Feasibility of Optimal Surgical Result Prediction according to the Center of Rotation Shift after Multilevel Cervical Total Disc Replacement. Asian Spine J. 2020 Aug;14(4):445-452.

Lee SH, G Choi, HY Lee, L Pramod, BJ Kong, **Lee JH**.

The future of endoscopic lumbar disc surgery; limits and perspectives.
World Spine Journal. 2007; 2(2):53-63.

Lee SH, SK Kim, Ahn Y, SW Shin, **Lee JH**.

The preoperative radiological findings that affect the postoperative clinical outcomes after percutaneous endoscopic lumbar discectomy.
World Spine Journal. 2006; 1(3):133-140.