

Curriculum Vitae

Moon-Jun Sohn, M.D., Ph.D.

Name: Moon-Jun Sohn, M.D., Ph.D.

Professor, Department of Neurosurgery,

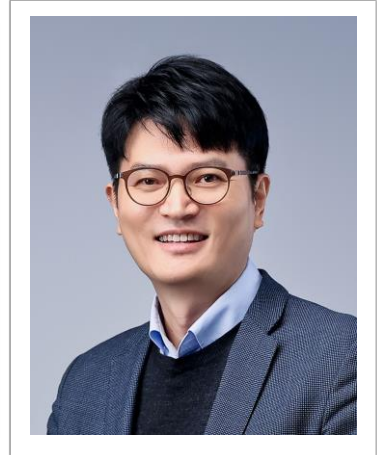
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Professional Position

- 1999 – Present Professor, Neurosurgery, Inje University Ilsan Paik Hospital
- 2018~2020 Chairman, Neurosurgery, Inje University Ilsan Paik Hospital
- 2016– Present Director, Neuroscience & Radiosurgery Hybrid Research Center
- 2008 – Present Director, Novalis Radiosurgery Center, Inje Univ., Ilsan Paik Hospital
- 2010 – 2011 Director, Bagram Korean Hospital
(Inje Univ-KOICA, Korean PRT, Afghanistan)

Professional Training and position

- 2002 – 2003 Research Fellow, Neurosurgery, Cleveland Clinic Foundation , USA
- 1998 – 1999 Fellow, Neurosurgery, Inha University Hospital, Incheon
- 1997 - 1998 Clinical Fellow, Neurosurgery, Asan Medical Center, Seoul
- 1992 – 1997 Internship & Residency, Neurosurgery, Asan Medical Center

Education

- 1986. 3. - 1992. 2 Inje University, College of Medicine (M.D.)
- 1995. 3. - 1997. 2 Ulsan University, College of Medicine (M.S)
- 1998. 3. - 2002. 2 Korea University, College of Medicine (Ph.D.)

GRANT:

1. Postdoctoral Fellowship Program, Korea Science and Engineering Foundation (KOSEF) (2002-2003)
2. Research grant of Clinical Research Center, Inje University Ilsan Paik Hospital (2005-2006, 2017~2018, 2018~2019)
3. National Research Foundation of Korea. (2020~2025)

AWARDS AND HONORS

Minister's Award from the Ministry of Justice, Korea (2022.12.31)

Best Article Award in Annual meeting of Korean Society of Medical Physics (2022.09.23)

Minister's Award from the Ministry of Health & Welfare, Korea (2019.09.10)

Best Article Award in Annual meeting of Korean Radiosurgery Society (2019.04)

Minister's Award from the Ministry of Foreign Affairs, Korea (2011.12.31)

MEMBERSHIP:

1992 – Present Korean Medical Association

1997 - Present Korean Neurosurgical Society

1998 - Present Korean Spinal Neurosurgical Society

1997 - Present Korean Society for Stereotactic and Functional Neurosurgery

2003 – Present Korean Radiosurgery Society

2007 – Present International Stereotactic Radiosurgery Society (ISRS)

2010 – Present Korean Spine Oncology Research Society

2023– Present Neuro-radiosurgery Research Society

Specializations: Minimally invasive Neurosurgery, Spinal surgery, Spinal Surgical Oncology, Stereotactic Radiosurgery,

Publications

Text Books

Radiotherapy for spinal tumors. Moon-Jun Sohn in **The Text book of Spine (3rd eds).** Koonja publishing Inc.2018, Vol 2. Chapter 18, page 630 -648,

Radiosurgery for spinal tumors. Moon-Jun Sohn in **Stereotactic Functional Neurosurgery (2nd eds)**. Ib publishing Inc. 2017

The role of Radiosurgery in the treatment of primary malignant spine and spinal cord tumors (Chap 21) Moon Jun Sohn, Dong Joon Lee, Hye Ran Lee. in **Spine Radiosurgery (2nd eds)**, Pete Gerstzen, Samuel Ryu, **Thieme, 2015**, pp 174~183

Shaped beam radiosurgery for cranial and spinal chordomas; Moon Jun Sohn, Dong Joon Lee, C. Jin Whang; in **Shaped-beam radiosurgery (eds)**; DeSalles AA, Selch M, Agazaryan N **Springer, 2011** page 159~169

Thoracoscopic discectomy and fusion. Moon-Jun Sohn et al in **Surgical Atlas of spine;** Zhang HY., **Koonja publishing Inc. 2010**, page 241 – 250

Articles:

1: Seok MC, Madadi AK, Mosleh MM, Chang SH, Sohn MJ. A Rare Occurrence of Primarily Extranodal Spinal Epidural Lymphoma With Spinal Cord Compression and Invasion to the Thoracic Cavity. *Brain Tumor Res Treat.* 2023 Jan;11(1):66-72. doi: 10.14791/btrt.2022.0038. PMID: 36762810; PMCID: PMC9911714.

2: Mosleh MM, Heo TG, Shin HB, Sohn MJ. Sacrococcygeal teratomas: a case-based review from the perspective of individual multidisciplinary experts. *Childs Nerv Syst.* 2023 Jan;39(1):57-64. doi: 10.1007/s00381-022-05768-1. Epub 2022 Nov 24. PMID: 36422695.

3: Kim KH, Sohn MJ, Park CG. Conformity assessment of a computer vision-based posture analysis system for the screening of postural deformation. *BMC Musculoskelet Disord.* 2022 Aug 22;23(1):799. doi: 10.1186/s12891-022-05742-7. PMID: 35996105; PMCID: PMC9394031.

4: Sohn MJ. Commentary on "Frailty Status Is a More Robust Predictor Than Age of Spinal Tumor Surgery Outcomes: A NSQIP Analysis of 4,662 Patients". *Neurospine.* 2022 Mar;19(1):63-64. doi: 10.14245/ns.2244110.055. Epub 2022 Mar 31. PMID:35378582; PMCID: PMC8987564.

5: Sohn MJ, Lee H, Lee BJ, Koo HW, Kim KH, Yoon SW. The radiographic assessments of spino-pelvic compensation using IoT-based real-time ischial pressure adjustment. *Medicine (Baltimore).* 2022 Feb 4;101(5):e28783. doi:10.1097/MD.00000000000028783. PMID: 35119044; PMCID: PMC8812654.

6: Shin HK, Koo HW, Kim KH, Yoon SW, Sohn MJ, Lee BJ. The Usefulness of Trabecular CT Attenuation Measurement at L4 Level to Predict Screw Loosening After Degenerative Lumbar

Fusion Surgery: Consider Number of Fused Levels and Postoperative Sagittal Balance. *Spine (Phila Pa 1976)*. 2022 May 15;47(10):745-753. Epub 2022 Jan 31. PMID:35102120.

7: Lee H, Park JM, Kim KH, Lee DH, Sohn MJ. Accuracy evaluation of surface registration algorithm using normal distribution transform in stereotactic body radiotherapy/radiosurgery: A phantom study. *J Appl Clin Med Phys*. 2022 Mar;23(3):e13521. doi: 10.1002/acm2.13521. Epub 2022 Jan 5. PMID: 34985179; PMCID: PMC8906233.

8: Lee BJ, Koo HW, Yoon SW, Sohn MJ. Usefulness of Trabecular CT Attenuation Measurement of Lumbar Spine in Predicting Osteoporotic Compression Fracture: Is the L4 Trabecular Region of Interest Most Relevant? *Spine (Phila Pa 1976)*. 2021 Feb 1;46(3):175-183.

9: Lee CH, Hong JT, Lee SH, Yi S, Sohn MJ, Kim SH, Chung CK; Korean Spine Oncology Research Society. Is the Spinal Instability Neoplastic Score Accurate and Reliable in Predicting Vertebral Compression Fractures for Spinal Metastasis? A Systematic Review and Qualitative Analysis. *J Korean Neurosurg Soc*. 2021 Jan;64(1):4-12. doi: 10.3340/jkns.2020.0105. Epub 2020 Jun 24. PMID:32580266; PMCID: PMC7819788.

10: Shin DW, Sohn MJ, Cho CR, Koo HW, Yoon SW. Evaluation of Cumulative and Conditional Antibiotic Release from Vancomycin-Embedded Fibrin Sealant and Its Antibacterial Activity : An In Vitro Study. *J Korean Neurosurg Soc*. 2020 Jan;63(1):45-55. doi: 10.3340/jkns.2019.0161. Epub 2019 Dec 30. PMID: 31916426; PMCID: PMC6952731.

11: Sohn S, Chung CK, Han KD, Jung JH, Hyeun JH, Kim J, Chang UK, Sohn MJ, Kim SH. A Nationwide Study of Surgery in a Newly Diagnosed Spine Metastasis Population. *J Korean Neurosurg Soc*. 2019 Jan;62(1):46-52. doi: 10.3340/jkns.2017.0304. Epub 2018 Aug 2. PMID: 30064201; PMCID: PMC6328801.

12: Sohn S, Chung CK, Jung JH, Lee KC, Kim J, Chang UK, Sohn MJ, Kim SH. Nationwide comparative study of synchronous and metachronous spine metastasis in the adult Korean population. *J Clin Neurosci*. 2018 Nov;57:33-37. Epub 2018 Aug 29. PMID: 30172640.

13: Lee CH, Choi M, Ryu DS, Choi I, Kim CH, Kim HS, Sohn MJ. Efficacy and Safety of Full-endoscopic Decompression via Interlaminar Approach for Central or Lateral Recess Spinal Stenosis of the Lumbar Spine: A Meta-analysis. *Spine (Phila Pa 1976)*. 2018 Dec 15;43(24):1756-1764. Erratum in: *Spine (Phila Pa 1976)*. 2019 Feb 15;44(4):E258. PMID: 29794584.