

Sang-Min Park

Curriculum Vitae

Professor
Department of Orthopaedic Surgery, Seoul National University College of Medicine and Seoul National University Bundang Hospital, Korea



Educational Background & Professional Experience

- Mar. 2026– Professor, Spine Center, Department of Orthopedic Surgery, Seoul National University Bundang Hospital, Seongnam, Republic of Korea
- Mar. 2021–Feb. 2026 Associate Professor, Spine Center, Department of Orthopedic Surgery, Seoul National University Bundang Hospital, Seongnam, Republic of Korea
- Mar. 2017–Feb. 2021 Assistant Professor, Spine Center, Department of Orthopedic Surgery, Seoul National University Bundang Hospital, Seongnam, Republic of Korea
- Mar. 2016–Feb. 2017 Co–Director, Spine Center, Spine Center, Department of Orthopedic Surgery, CM General Hospital, Seoul, Korea
- Mar. 2015–Feb. 2016 Clinical Spine Surgery Fellow, Department of Orthopedic Surgery, Seoul National University Hospital, Seoul, Korea
- Mar. 2011–Feb. 2015 Resident, Department of Orthopedic Surgery, Chung–Ang University Hospital, Seoul, Korea

Research Interests

Degenerative lumbar spine surgery, Minimal invasive spine surgery, Endoscopic spine surgery, Biportal endoscopic spine surgery (BESS, UBE), Osteoporosis, Spine tumor, Artificial intelligence, Robot Surgery, Mixed reality

Publications

- Park SM, Kim D, Ham DW, Kim HJ, Yeom JS. Augmented Reality Navigation for Pedicle Screw Fixation: Technical Accuracy and Feasibility in a Human Cadaveric Study. Clin Orthop Surg. 2026 Apr;18(2):273–280. doi.org: 10.4055/cios25117. [First & Corresponding author]
- Park HJ, Kim JS, Park SM, Song KS, Ham DW, Kim HJ, Kang MS, You KH, Jeong SY, Park SY, Park CK, Lee DK, Lee HJ. Is Biportal Endoscopic Laminectomy Equivalent to Microscopic Laminectomy in Patients With Lumbar Spinal Stenosis? A Multicenter, Assessor–blind, Randomized Clinical Trial. Clin Orthop Relat Res. 2026 Feb 1;484(2):341–353. doi: 10.1097/CORR.0000000000003695. Epub 2025 Sep 17. [Corresponding author]
- Park SM, Na SS, Kim HJ, Yeom JS. Minimally Invasive Treatment Using Biportal Endoscopic Decompression with Vertebroplasty for Osteoporotic Vertebral Compression Fractures in Older Adult Patients. Clin Orthop Surg. 2025 Oct;17(5):836–845. doi: 10.4055/cios25038. Online ahead of print. [First & Corresponding author]
- Park SM, Kwon O, Park J, Ham DW, Kim HJ, Yeom JS. Surgical outcomes of minimally invasive microscopic debridement in thoracolumbar pyogenic spondylodiscitis. Sci Rep. 2025 Sep 1;15(1):32227. doi: 10.1038/s41598–025–17050–w. [First & Corresponding author]
- Park SM, Kim D, Park J, Kim HJ, Yeom JS. Augmented Reality–Guided Pedicle Screw Fixation: An Experimental Study. Asian Spine J. 2025 Dec;19(6):896–903. doi: 10.31616/asj.2025.0163. Epub 2025 Aug 25. [First & Corresponding author]