

# Joonghyun Ahn

## Curriculum Vitae



Clinical Assistant Professor  
 Dept. of Orthopedic Surgrey, Bucheon St. Mary’s Hospital, The Catholic University of Korea, Korea

### Educational Background & Professional Experience

2022.03–Present	Clinical Assistant Professor, Department of Orthopedic Surgery, Bucheon St. Mary’s Hospital, The Catholic University of Korea
2020.02–2022.01	Clinical Assistant Professor, Department of Orthopedic Surgery, Spine Center, Kyung Hee University Hospital at Gangdong, Seoul, Korea
2017–2020	CM General Hospital, Seoul, Korea, Spine surgeon
2015–2017	Hanil General hospital, Dobong–gu, Seoul, Korea, Spine surgeon
2014–2015	Soonchunhyang University Seoul Hospital, Department of Orthopedic Surgery, Spine Center, Fellowship
2009–2013	Soonchunhyang University Seoul Hospital, Department of Orthopedic Surgery, Residency

### Research Interests

- Degenerative Lumbar & Cervical Disease
- Adult Spinal Deformity and biomechanics
- Osteoporosis

### Publications

- Paraspinal Muscle Fat Infiltration as a Key Predictor of Symptomatic Intravertebral Vacuum Cleft: A Machine Learning Approach J. Clin. Med. 2025, 14(9), 3109; <https://doi.org/10.3390/jcm14093109>
- Analysis of Risk Factors Associated with Proximal Junctional Kyphosis Following Long Instrumented Fusion from L1 to Sacrum: Age Itself Does Not Independently Increase the Risk. Medicina (Kaunas). 2024 Sep 3;60(9):1441. doi: 10.3390/medicina60091441. PMID: 39336481; PMCID: PMC11434054.
- Anterior Column Realignment Through Open Pre–posterior Release–Anterior–Posterior Fusion Versus Hybrid Minimally Invasive–Anterior–Posterior Fusion for Dynamic Sagittal Imbalance of the Spine. January 2024 Global Spine Journal 15(1):21925682241226658 DOI: 10.1177/21925682241226658The Safety of Spinal Surgery in Patients over 80 Years of Age: Propensity Score Matching Study. Global Spine Journal. 2024;0(0). doi:10.1177/21925682241304332
- Surgical correction for adult spinal deformity increases acetabular lateral coverage of femoral heads. BMC Musculoskelet Disord 22, 988 (2021). <https://doi.org/10.1186/s12891-021-04827-z>
- Radiographic and clinical evidence: osteoarthritic knee can change surgical result for lumbar degenerative disease patient undergone surgery for 3–year follow–up: a retrospective comparative clinical study. BMC Musculoskelet Disord 21, 740 (2020). <https://doi.org/10.1186/s12891-020-03755-8>