

# Jun-Il Yoo

## Curriculum Vitae



Professor  
 Department of Orthopaedic Surgery, Inha University Hospital, Inha University, Korea

### ● Educational Background & Professional Experience (Most recent first)

2025.3–Present	Professor, Department of Orthopaedic Surgery, Inha University Hospital, Inha University
2023.2–2025.2	Associate Professor, Department of Orthopaedic Surgery, Inha University Hospital, Inha University
2017.3–2023.2	Associate Professor, Department of Orthopaedic Surgery, Gyeongsang National University Hospital
2015.5–2017.2	Clinical Fellow, Department of Orthopaedic Surgery, Seoul National University Bundang Hospital
2012.4–2015.4	Chief of ER, Army Aviation Command, Icheon, Korea (Military Service)
2008.5–2012.2	Resident, Department of Orthopaedic Surgery, Chung–Buk National University Hospital
2007.3–2008.2	Intern, Chung–Buk National University Hospital

### ● Research Interests

Sarcopenia and musculoskeletal aging / Hip fracture surgery and outcomes / AI and digital biomarkers for musculoskeletal disorders  
 Orthopaedic biomechanics and finite element analysis / Osteoporosis and fragility fractures

### ● Publications

- Kim SJ, Kim Soojin, Kim HS, Kim HB, Yoo JI. Cross–sectional study comparing smart insoles and manual methods for short physical performance battery in hip fracture patients. Aging Clinical and Experimental Research. 2025.
- Cha YH, Lee SY, Bae JH, Kang YJ, Baek JH, Kang JS, Park CH, Kim SJ, Yoo JI. Comparing Stability, Gait, and Functional Score after 40–mm Dual–Mobility Hip Arthroplasty to 36–mm Head Hip Arthroplasty in Elderly Hip Fracture Patients. Clinics in Orthopedic Surgery. 2025.
- Cha YH, Park SH, Jung CH, Kim JW, Yoo JI, Kim JT, Jeon YH, Han KJ. Additional Screw Added to the Femoral Neck System Could Enhance the Stability of Pauwel Type III Femoral Neck Fractures: a Finite Element Analysis. Clinics in Orthopedic Surgery. 2025.
- Kim HS, Kim SJ, Kim HB, Cha YH, Kim JT, Kim JW, Ha YC, Yoo JI. Correlation between individual thigh muscle volume and grip strength in relation to sarcopenia with automated muscle segmentation. PLOS One. 2024.
- Kim HB, Kim HS, Kim SJ, Yoo JI. Spine muscle auto segmentation techniques in MRI imaging: a systematic review. BMC Musculoskeletal Disorders. 2024.