



Hongyeol Yang

- Affiliate, Orthopaedic Surgery
- Visiting Scholar, Orthopaedic Surgery

Bio

BIO

Hongyeol (Stefan) Yang is a visiting scholar at Stanford University and an Assistant Professor of orthopaedic surgery at Chonnam National University. His research focuses on applying AI and deep learning to orthopaedic surgery, particularly in personalized arthroplasty and sports medicine. He aims to develop predictive models that enhance clinical decision-making and support data-driven, precision care in orthopaedics.

Clinical Focus

Adult Knee Reconstruction, Robotic Surgery, and AI-driven Precision Medicine

Professional Education

Assistant Professor: Chonnam National University (2023-)

Fellowship: Chonnam National University (2020)

Residency: Chonnam National University (2019)

Internship: Chonnam National University (2014)

Publications

Yang HY, et al. *The Journal of Arthroplasty*. 2026. doi:10.1016/j.arth.2026.02.042

Yang HY, et al. *Medicina*. 2026. doi:10.3390/medicina62020307

Yang HY, et al. *Orthopaedic Journal of Sports Medicine*. 2025. doi:10.1177/23259671251391720

Yang HY, et al. *The Journal of Arthroplasty*. 2025. doi:10.1016/j.arth.2025.10.114

Yang HY, et al. *Journal of Orthopaedic Surgery and Research*. 2025. doi:10.1186/s13018-025-06256-3

Yang HY, et al. *Knee Surgery, Sports Traumatology, Arthroscopy*. 2025. doi:10.1002/ksa.12731

Yang HY, et al. *Chonnam Medical Journal*. 2025. doi:10.4068/cmj.2025.61.2.90

Yang HY, et al. *Journal of Personalized Medicine*. 2025. doi:10.3390/jpm15030091

Yang HY, et al. *Scientific Reports*. 2025. doi:10.1038/s41598-025-93542-z

Yang HY, et al. *The Knee*. 2025. doi:10.1016/j.knee.2025.02.028

Yang HY, et al. *Journal of Clinical Medicine*. 2025. doi:10.3390/jcm14030820

Yang HY, et al. *Arthroscopy*. 2024. doi:10.1016/j.arthro.2024.12.022

Yang HY, et al. *Knee Surgery, Sports Traumatology, Arthroscopy*. 2024. doi:10.1002/ksa.12487

- Yang HY, et al. *International Orthopaedics*. 2024. doi:10.1007/s00264-024-06271-9
- Yang HY, et al. *Clinics in Orthopedic Surgery*. 2024. doi:10.4055/cios23250
- Yang HY, et al. *The Journal of Bone and Joint Surgery American Volume*. 2024. doi:10.2106/JBJS.23.00720
- Yang HY, et al. *BMC Musculoskeletal Disorders*. 2024. doi:10.1186/s12891-024-07441-x
- Yang HY, et al. *The Bone & Joint Journal*. 2023. doi:10.1302/0301-620X.105B12.BJJ-2023-0456.R1
- Yang HY, et al. *Biomedical Engineering Letters*. 2023. doi:10.1007/s13534-023-00321-8
- Yang HY, et al. *International Orthopaedics*. 2023. doi:10.1007/s00264-023-05895-7
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- Yang HY, Seon JK. *Arthroscopy*. 2023. doi:10.1016/j.arthro.2023.01.011
- Yang HY, et al. *The Journal of Arthroplasty*. 2022. doi:10.1016/j.arth.2022.10.010
- Yang HY, et al. *The Journal of Bone and Joint Surgery American Volume*. 2022. doi:10.2106/JBJS.21.00456
- Yang HY, et al. *Knee Surgery, Sports Traumatology, Arthroscopy*. 2022. doi:10.1007/s00167-021-06553-w
- Yang HY, et al. *The Bone & Joint Journal*. 2021. doi:10.1302/0301-620X.103B11.BJJ-2021-0475.R1
- Yang HY, Seon JK. *Arthroscopy*. 2021. doi:10.1016/j.arthro.2021.05.042
- Yang HY, et al. *The Journal of Bone and Joint Surgery American Volume*. 2020. doi:10.2106/JBJS.19.01429
- Yang HY, Lee KB. *The Journal of Bone and Joint Surgery American Volume*. 2020. doi:10.2106/JBJS.19.00397
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