

Keisuke Uemura

Associate Professor
Department of Orthopaedic Medical Engineering, Osaka University, Japan

Curriculum Vitae



Educational Background & Professional Experience

2022.5–Present	Associate professor, Department of Orthopaedic Medical Engineering, Osaka University Graduate School of Medicine
2021.7–2022.4	Assistant professor, Department of Orthopaedic Surgery, Osaka University Graduate School of Medicine
2020.1–2021.6	Specially appointed Assistant professor, Graduate School of Information Science, Nara Institute of Science and Technology
2017.4–2019.3	Visiting researcher, Department of Orthopaedics, University of Utah
2013.4–2017.3	Postgraduate school student, Osaka University Graduate School of Medicine
2012.10–2013.3	Fellow in Orthopaedic Surgery, Osaka University
2002.4–2008.3	MD student, Osaka University

Research Interests

Osteoporosis, hip surgery, Artificial intelligence

Publications

1. Uemura K, Otake Y, Tamura K, Higuchi R, Kono S, Mae H, Takashima K, Okada S, Sugano N, Hamada H. Bone mineral density measurement in the Gruen zones using dual-energy x-ray absorptiometry: insights from quantitative CT analysis. Bone Joint Res. 2025 Oct 7;14(10):850–859.
2. Uemura K, Kono S, Takashima K, Tamura K, Higuchi R, Mae H, Nakamura N, Otake Y, Sato Y, Sugano N, Okada S, Hamada H. Side-to-side differences in hip bone mineral density in patients with unilateral hip osteoarthritis. Bone. 2025 Jun;195:117456.
3. Uemura K, Takashima K, Higuchi R, Kono S, Mae H, Iwasa M, Abe H, Maeda Y, Kyo T, Imagama T, Ando W, Sakai T, Okada S, Hamada H. Assessing the utility of osteoporosis self-assessment tool for Asians in patients undergoing hip surgery. Osteoporos Sarcopenia. 2024 Mar;10(1):16–21.
4. Uemura K, Miyamura S, Otake Y, Mae H, Takashima K, Hamada H, Ebina K, Murase T, Sato Y, Okada S. The effect of forearm rotation on the bone mineral density measurements of the distal radius. J Bone Miner Metab. 2024 Jan;42(1):37–46.
5. Uemura K, Otake Y, Takashima K, Hamada H, Imagama T, Takao M, Sakai T, Sato Y, Okada S, Sugano N. Development and validation of an open-source tool for opportunistic screening of osteoporosis from hip CT images. Bone Joint Res. 2023 Sep 20;12(9):590–597.

