

## 岩佐諦先生業績

### ● 受賞歴

- ① 第 39 回（令和 3 年度） 公益財団法人 整形災害外科学研究助成財団 研究助成（日本財団賞）
- ② 日本コンピューター外科学会 2019 年度 講演論文賞 2020.10.29
- ③ 第 14 回日本 CAOS 研究会 優秀 web presentation 賞 2020.9.22
- ④ 第 47 回日本股関節学会学術集会 最優秀演題賞 2020.10.23
- ⑤ 日本コンピューター外科学会 2021 年度 講演論文賞 2022.11.12
- ⑥ 富士フィルムヘルスケア賞 シルバー賞 2023.12.2
- ⑦ 第 54 回日本人工関節学会 若手研究者奨励賞 2024.2.22

### ● 執筆書籍

- ① 『JSCAS26-4 富士フィルムヘルスケア賞受賞者特集』  
Artificial intelligence を用いた変形性股関節症患者の筋萎縮および脂肪変性評価  
Artificial Intelligence-Based Evaluation of Muscle Atrophy and Fatty Degeneration  
in Patients with Osteoarthritis of the Hip  
岩佐 諦, 高尾 正樹, 大竹 義人, 上村 圭亮, Mazen Souf, 濱田 英敏, 佐藤 嘉伸,  
岡田 誠司, 菅野 伸彦
- ② 『整形外科 最新原著レビュー』南江堂  
大腿骨骨頭壊死患者における骨頭圧潰と寛骨臼被覆との関連  
岩佐 諦, 安藤 渉, 上村 圭亮, 濱田 英敏, 高尾 正樹, 菅野 伸彦
- ③ 『整形外科』南江堂  
股関節外科領域の人工知能の活用  
高尾正樹、大竹義人、上村圭亮、岩佐諦、濱田英敏、安藤渉、佐藤嘉伸、岡田誠司、  
菅野伸彦
- ④ 『整形外科』南江堂  
人工知能技術を用いた筋骨格モデル  
高尾正樹、大竹義人、上村圭亮、岩佐諦、濱田英敏、安藤渉、佐藤嘉伸、岡田誠司、  
菅野伸彦

### ● 海外学会発表歴

- ① Iwasa M, Hashimoto Y, Kitada M, Miki H  
Clinical results on cup placement using the Mako Robotic System, International Society  
for Technology of Arthroplasty 2024 Annual Meeting Nashville, USA, 2024/8/28
- ② Iwasa M, Ando W, Uemura K, Hamada H, Takao M, Sugano N

Association Between the Magnitude of Femoral Head Collapse and Quality of Life in Patients with Osteonecrosis of the Femoral Head, 2022 ARCO Biennial Meeting Annual Meeting, Florida, USA, 2022/2/4

- ③ **Iwasa M**, Takao M, Otake Y, Sofue M, Uemura K, Hamada H, Ando W, Sato Y, Sugano N Correlation of Gluteal Muscle Atrophy and Fatty Degeneration with Health-Related Quality of Life Measures in Patients with Unilateral Hip Osteoarthritis AI Based Volumetric Analysis CARS 2022 Computer Assisted Radiology and Surgery 2022 Annual Meeting, Seoul, Korea, 2022/8/27
- ④ **Iwasa M**, Ando W, Uemura K, Hamada H, Takao M, Sugano N, Association Between the Magnitude of Femoral Head Collapse and Quality of Life in Patients with Osteonecrosis of the Femoral Head, Orthopedic Research Society 2022 Annual Meeting, Florida, USA, 2022/2/4
- ⑤ **Iwasa M**, Ando W, Uemura K, Hamada H, Takao M, Sugano N Relationship between Pelvic Incidence and Hip Osteoarthritis Orthopedic Research Society 2021 Annual Meeting, California, USA, 2021/7
- ⑥ **Iwasa M**, Uemura K, Hamada H, Ando W, Takao M, Sugano N Anatomical Variation in the Pelvis and Femur Affects the Calculation of Hip Angles Orthopedic Research Society 2020 Annual Meeting, Arizona, USA, 2020/6
- ⑦ **Iwasa M**, Uemura K, Hamada H, Ando W, Takao M, Sugano N Pelvic Incidence Cannot Be Used to Predict Pelvic Sagittal Tilt in the Supine and Upright Position, Computer Assisted Orthopaedic Surgery 2019 Annual Meeting, New York, USA, 2019/6/4

● **英語論文**

- ① **Iwasa M**, Nakahara I, Miki H. Large cohort study on prevention strategies for dislocation in total hip arthroplasty. J Orthop Sci. 2024 Nov 12:S0949-2658(24)00194-5(2024).
- ② **Iwasa M**, Ando W, Kazume T, Uemura K, Hamada H, Sugano N. Effects of Cerclage Cabling on Preventing Periprosthetic Femoral Fractures When Using Cementless Stems for Unstable Femoral Neck Fractures. J Arthroplasty. May 11:S0883-5403(24)00440-6 (2024).
- ③ **Iwasa M**, Hamada H, Uemura K, Ando W, Takao M, Sugano N: Errors in the radiographic measurement of pelvic incidence. J Orthop Res. Jun;41(6):1266-1272 (2023).
- ④ **Iwasa M**, Ando W, Uemura K, Hamada H, Takao M, Sugano N: Association between magnitude of femoral head collapse and quality of life in patients with osteonecrosis of the femoral head. Mod Rheumatol. Mar 2;33(2):416-421 (2023).
- ⑤ **Iwasa M**, Ando W, Uemura K, Hamada H, Takao M, Sugano N: Is There an Association

Between Femoral Head Collapse and Acetabular Coverage in Patients With Osteonecrosis? *Clin Orthop Relat Res.* Jan 1;481(1):51-59 (2023).

- ⑥ **Iwasa M**, Takao M, Soufi M, Uemura K, Otake Y, Hamada H, Sato Y, Sugano N, Okada S. Artificial intelligence-based volumetric analysis of muscle atrophy and fatty degeneration in patients with hip osteoarthritis and its correlation with health-related quality of life. *Int J Comput Assist Radiol Surg.* Jan;18(1):71-78 (2023).
- ⑦ **Iwasa M**, Ando W, Uemura K, Hamada H, Takao M, Sugano N: Pelvic incidence is not associated with the development of hip osteoarthritis. *Bone Joint J.* Nov;103-B(11):1656-1661 (2021).
- ⑧ 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.* Mar;10(1):16-21 (2024).
- ⑨ Takashima K, **Iwasa M**, Ando W, Uemura K, Hamada H, Mae H, Maeda Y, Sugano N: MRI screening for osteonecrosis of the femoral head after COVID-19. *Mod Rheumatol.* Oct 7: road095 (2023).
- ⑩ Uemura K, Takao M, Otake Y, **Iwasa M**, Hamada H, Ando W, Sato Y, Sugano N. The Effect of Region of Interest on Measurement of Bone Mineral Density of the Proximal Femur: Simulation Analysis Using CT Images. *Calcif Tissue Int.* Nov;111(5):475-484. (2022).
- ⑪ Uemura K, Otake Y, Takao M, Makino H, Soufi M, **Iwasa M**, Sugano N, Sato Y: Development of an open-source measurement system to assess the areal bone mineral density of the proximal femur from clinical CT images. *Arch Osteoporos.* Jan 17;17(1):17 (2022).
- ⑫ Hira K, **Iwasa M**, Akiyama K, Shibuya T, Fujita S, Ohsawa S. Adverse Reactions to Metal Debris after Fully-Modular Primary Total Hip Arthroplasty: A Report of Two Cases. *JSM Bone and Joint Dis.*1(1): 1003 (2017).