

- 1) Matsuura T, Iwame T, Suzue N, Kashiwaguchi S, Iwase T, Hamada D, Sairyo K. Long-term Outcomes of Arthroscopic Debridement With or Without Drilling for Osteochondritis Dissecans of the Capitellum in Adolescent Baseball Players: A≥10-year Follow-up Study. *Arthroscopy*. 2020 May;36(5):1273-1280. (PMID: 32001276)
- 2) Takasago T, Hamada D, Wada K, Nitta A, Tamaki Y, Goto T, Tsuruo Y, Sairyo K. Insufficient lateral joint laxity after bicruciate-retaining total knee arthroplasty potentially influences kinematics during flexion: A biomechanical cadaveric study. *Knee*. 2021 Jan; 28:311-318. (PMID: 33477002)
- 3) Manabe H, Yamashita K, Higashino K, Morimoto M, Sugiura K, Ishihama Y, Tezuka F, Takata Y, Sakai T, Sairyo K. Bone Formation During Correction of Vertebral Rounding Deformity in a Rat Model of Pediatric Spondylolisthesis. *Spine*. 2021 Mar 1;46(5):E294-E302. (PMID: 33156272)
- 4) Yamashita K, Higashino K, Hayashi H, Takegami K, Hayashi F, Tsuruo Y, Sairyo K. Direct measurement of radiation exposure dose to individual organs during diagnostic computed tomography examination. *Sci Rep*. 2021 Mar 8; 11(1):5435. (PMID: 33686232)
- 5) Toki S, Yoshimaru T, Matsushita Y, Aihara H, Ono M, Tsuneyama K, Sairyo K, Katagiri T. The survival and proliferation of osteosarcoma cells are dependent on the mitochondrial BIG3-PHB2 complex formation. *Cancer Sci*. 2021 Oct; 112(10):4208-4219. (PMID: 34363714)
- 6) Sugiura K, Hirasaka K, Maeda T, Uchida T, Kishimoto K, Oarada M, Labeit S, Ulla A, Sakakibara I, Nakao R, Sairyo K, Nikawa T. MuRF1 deficiency prevents age-related fat weight gain, possibly through accumulation of PDK4 in skeletal muscle mitochondria in older mice. *J Orthop Res*. 2022 May;40(5):1026-1038. (PMID: 34185335)
- 7) Tamaki Y, Goto T, Iwase J, Wada K, Omichi Y, Hamada D, Tsuruo Y, Sairyo K. Relationship between iliopsoas muscle surface pressure and implant alignment after total hip arthroplasty: a cadaveric study. *Sci Rep*. 2023 Mar 1; 13(1): 3492. (PMID: 36859708)
- 8) Takeuchi M, Nishisho T, Toki S, Kawaguchi S, Tamaki S, Oya T, Uto Y, Katagiri T, Sairyo K. Blue light induces apoptosis and autophagy by promoting ROS-mediated mitochondrial dysfunction in synovial sarcoma. *Cancer Med*. 2023 Apr; 12(8):9668-9683. (PMID:36722116)
- 9) Omichi Y, Hamada D, Wada K, Tamaki Y, Shigekiyo S, Sairyo K. Robotic-assisted total knee arthroplasty improved component alignment in the coronal plane compared with navigation-assisted total knee arthroplasty: a comparative study. *J Robot Surg*. 2023 Dec;17(6):2831-2839. Epub 2023 Sep 27. (PMID:

37755679)

- 10) Fujimoto S, Inokuchi T, Tamaki S, Sugiura K, Takeuchi M, Morimoto M, Tezuka F, Yamashita K, Fujitani J, Saiyo K. Return-to-play outcomes after full-endoscopic spine surgery under local anesthesia in professional baseball players: Comparison by timing of surgery. J Orthop Sci. 2024 Jan 31. Epub ahead of print. (PMID: 38302309)