

CURRICULUM VITAE

Yutaka Inaba, M.D., Ph.D.

I. PERSONAL DATA

Office Address: Department of Orthopaedic Surgery,
Yokohama City University
Fukuura 3-9, Kanazawa-ku, Yokohama
Kanagawa 236-0004, JAPAN
Phone: +81-45-787-2655
Fax: +81-45-781-7922
E-mail: yute0131@yokohama-cu.ac.jp

Date of Birth January 31, 1964
Place of Birth Tokyo, JAPAN
Marital Status: Married, three children
Permanent Residency JAPAN

II. EDUCATION

University: Jichi Medical University
Tochigi, Japan M.D. 1989

Yokohama City University
Yokohama, Japan Ph.D. 2002

Professional Training and Employment

1989- Resident, Kanagawa Prefectural Atsugi Hospital
1991- Staff, Orthopaedic Surgery, Kanagawa Prefectural Atsugi Hospital
1994- Staff, Orthopaedic Surgery, Kanagawa Children's Medical Center
1996- Senior surgeon, Orthopaedic Surgery,
Kanagawa Prefectural Atsugi Hospital
1998- Senior surgeon, Orthopaedic Surgery,
Kanagawa Children's Medical Center
2001- Assistant Professor, Department of Orthopaedic Surgery
Yokohama City University
2003- International fellow,
Anderson Orthopaedic Research Institute (USA)
2004- Clinical research fellow,
The Dorr Institute for Arthritis Research (USA)
2005- Assistant Professor, Department of Orthopaedic Surgery
Yokohama City University

- 2008- Associate Professor, Department of Orthopaedic Surgery
Yokohama City University
- 2018- Professor and Chairman, Department of Orthopaedic Surgery
Yokohama City University

Current Status: **Professor and Chairman,**
(2018-present) Department of Orthopaedic Surgery, Yokohama City University
Chief Surgeon: Adult Reconstruction of the Hip
Joint Reconstruction of Rheumatic Disease
Pediatric Orthopaedic Surgery

III. HONORS AND AWARDS

- 2023 Best Presentation Award, Japanese Society for Joint Diseases (co-author)
- 2023 Best Presentation Award, Japanese Society for Study of Bone and Joint Infections
(co-author)
- 2023 Elite reviewer. Journal of Arthroplasty
- 2022 Best Presentation Award, Japanese Hip Society (co-author)
- 2022 Best Presentation Award, Japanese Society for Study of Bone and Joint Infections
(co-author)
- 2022 Elite reviewer. Journal of Arthroplasty
- 2021 Best Paper Award, The Kanto Society of Orthopedics and Traumatology
(co-author)
- 2021 Best Poster Award, Japan College of Rheumatology (co-author)
- 2021 Elite reviewer. Journal of Arthroplasty
- 2020 Best Paper Award & Best Presentation Award, Eastern Japan Association of
Orthopedics and Traumatology (co-author)
- 2020 Kanagawa Orthopaedics and Traumatology Society Award (co-author)
- 2020 Best Web Presentation Award, CAOS Japan and Japanese Society for MIOS
(co-author)
- 2020 Best Presentation Award, Japan Society for Rheumatism and Joint Surgery
(co-author)
- 2020 Best Paper Award, Asia Society of Hip Arthroscopy (co-author)
- 2020 Elite reviewer. Journal of Arthroplasty
- 2019 Elite reviewer. Journal of Arthroplasty
- 2018 JOSKAS arthroscopy Award (corresponding author)
- 2018 Best Presentation Award, The Kanto Society of Orthopedics and Traumatology
(co-author)
- 2018 Elite reviewer. Journal of Arthroplasty
- 2017 Elite reviewer. Journal of Arthroplasty

- 2017 Best Poster Award, Kanto Orthopaedic Association (co-author)
- 2016 Yokohama City University Medical Association Award
- 2016 Best Paper Award, Kanagawa Orthopaedic Society (co-author)
- 2016 Best Paper Award, Japanese Hip Society (corresponding)
- 2016 Best Paper Award, Japanese Paediatric Hip Research Society
- 2016 Best Poster Award, Japanese Orthopaedic Association (corresponding)
- 2016 Best Poster Award, Japanese Orthopaedic Association (co-author)
- 2015 The Grand Prize, Asia-Pacific Poster Contest. The Orthopedics Today Hawaii 2015
- 2015 JSRA (Japanese Society for Replacement Arthroplasty) selected paper for AAHKS (American Association of Hip and Knee Surgeons)
- 2015 Best Paper Award, Japanese Society for Joint Disease (corresponding author)
- 2015 Best Paper Award, Japanese Orthopaedic Association (co-author)
- 2014 Best Paper Award, Japanese Society for Joint Disease
- 2014 Best Paper Award, TMM (Thrombosis/Thrombolysis Marker) Forum
- 2014 Best Poster Award, Japanese Orthopaedic Association (corresponding author)
- 2013 Best Paper Award, Japanese Hip Society (co-author)
- 2013 Best Poster Award, Japanese Pediatric Orthopaedic Association (corresponding)
- 2012 Best Paper Award, Japanese Hip Society
- 2012 Best Paper Award, Japanese Society for Joint Disease (corresponding author)
- 2012 Best Paper Award, Japanese Society for Study of Bone and Joint Infections (corresponding author)
- 2011 Best Paper Award, Kanagawa Society of Orthopedics and Traumatology (corresponding author)
- 2011 Best Paper Award, The 2nd MRSA Forum (co-author)
- 2010 Best Paper Award, Japanese Society for Study of Bone and Joint Infections (corresponding author)
- 2009 Research Award, Hip Joint Foundation of Japan
- 2009 International Workshop Award, The 53rd Annual Meeting of Japanese Rheumatism Association (co-author)
- 2009 Best Paper Award, Japanese Society for Study of Bone and Joint Infections (co-author)
- 2005 International Fellowship Award, Japan Rheumatism Foundation

IV. EDITORIAL ACTIVITIES

- 2022-present Associated Editor for *Journal of Joint Surgery and Research (official journal of Japanese Society for Replacement Arthroplasty)*
- 2018-present Reviewer for *Journal of Orthopaedic Research*
- 2017-present Reviewer for *Journal of Bone and Mineral Metabolism*
- 2017-present Reviewer for *PLOS one*

- 2017-present Editorial board for *Hip & Pelvis (official journal of Korean Hip Society)*
- 2017-present Editorial board for *Journal of Arthroplasty*
- 2015-present Reviewer for *Journal of Arthroplasty*
- 2015-present Reviewer for *Arthroplasty Today*
- 2012-present Reviewer for *Modern Rheumatology*
- 2008-present Editorial board for *Journal of Orthopaedic Science*
- 2013-present Reviewer for *Journal of Japanese Association of External Fixation and Limb Lengthening*
- 2010-present Reviewer for *Journal of Japanese Pediatric Orthopaedic Association*
- 2010-present Reviewer for *Journal of Japanese Society for Joint Disease*

V. MEMBERSHIP

1. Japanese Orthopaedic Association (*Board member*)
2. Japanese Hip Society (*Vice-President*)
3. Japanese Society for Replacement Arthroplasty (*Board member*)
4. Japan College of Rheumatology (*Council member*)
5. Japanese Pediatric Orthopaedic Association (*President*)
6. Japanese Society for Joint Disease (*Board member*)
7. Japanese Association of External Fixation and Limb Lengthening (*Board member*)
8. Japanese Society for Study of Bone and Joint Infections (*Board member*)
9. Japanese Society for Clinical Biomechanics (*Council member*)
10. Japanese Society for Musculoskeletal Medicine
11. Japanese Association of Ilizarov's Method (A.S.A.M.I. Japan)
12. Japanese Association for Limb Reconstruction and External Fixation
13. Japanese Orthopaedic Society of Knee Arthroscopy and Sports Medicine
14. Eastern Japan Association of Orthopaedics and Traumatology (*Board member*)
15. Kanto Society of Orthopaedics and Traumatology (*Board member*)
16. Kanagawa Society of Orthopaedics and Traumatology (*Board member*)
17. American Academy of Orthopaedic Surgeons: AAOS (USA)
18. Orthopedic Research Society: ORS (USA)
19. American Association of Hip and Knee Surgeons: AAHKS (USA)
20. American Society for Bone and Mineral Research: ASBMR (USA)
21. International Society of Technologies in Arthroplasty (ISTA)
22. International Congress for Joint Reconstruction (ICJR)
23. Computer Assisted Orthopaedic Surgery (CAOS) Society International
24. Computer Assisted Orthopaedic Surgery (CAOS) Society Asia-Pacific
25. Japanese Association of Rehabilitation Medicine (*Delegate*)

Board Certification

1. Japanese Board of Osteoporosis (Japan Osteoporosis Society), 2017
2. Japanese Board of Rheumatology (Japan College of Rheumatology), 1998
3. Japanese Board of Orthopaedic Surgery (Japanese Orthopaedic Association), 1997
4. Japanese Board of Sports Medicine (Japanese Amateur Sports Association), 1994

Society Appointments

1. Vice President, Japanese Hip Society (2022-present)
2. Faculty, the 9th Masterclass in Arthroplasty Surgery Thessaloniki (2022)
3. Steering Committee Member, International Consensus on VTE (2021-2022)
4. President, Japanese Pediatric Orthopaedic Association (2021-present)
5. Delegate, Japanese Association of Rehabilitation Medicine (2020-present)
6. Scientific Committee, European Orthopaedic Research Society 2018
7. Honorary status of “Fellow of International Orthopaedic Research” (2016-present)
8. Ambassador, Orthopaedic Research Society (2016-2019)
9. Delegate, 2nd International Consensus on Periprosthetic Joint Infection (2016-2018)
10. Secretary General, 2016 Annual Meeting of Japanese Orthopaedic Association
11. Invited Faculty, The 3rd Annual Pan Pacific Orthopaedic Congress, ICJR (International Congress for Joint Reconstruction)
12. President, CAOS (Computer-Assisted Orthopaedic Surgery) Japan 2014
13. Secretary General, Japanese Society for Joint Disease (2010-2014)

VI. HIP RELATED CURRENT RESEARCH

We have been making research on the following topics.

1. Periprosthetic Joint infection (PJI)

- A) Intraoperative rapid detection of bacterial DNA using real-time PCR
- B) Preoperative PJI diagnosis using NaF-PET scan
- C) Development of a new multiplex real-time PCR assay
- D) Application of granulocyte elastase swab stick test for intraoperative PJI diagnosis
- E) Assessment of minimum inhibitory concentration of Staphylococcus species in orthopaedic infection

2. Computer-assisted surgery

- A) Accuracy of CT-based navigation use for MIS-THA
- B) Application of CT-based navigation for hip osteotomy and hip arthroscopy
- C) Results of rotational acetabular osteotomy using CT-based navigation
- D) Results of femoral osteotomy using CT-based navigation
- E) Development of a new simple CT-based navigation system

3. Venous Thromboembolism (VTE)

- A) Prediction of high risk patients with VTE following THA using coagulation and fibrinolysis markers

- B) Selective chemoprophylaxis of VTE for high-risk patients after THA
- C) Evaluation of inherited antithrombin deficiency as a risk factor of postoperative VTE

4. Finite Element Analysis (FEA)

- A) Evaluation of adaptive bone remodeling after THA using subject-specific FEA
- B) Risk assessment of the proximal femoral fracture using CT-based FEA
- C) Evaluation of mechanical strength of the proximal femur after arthroscopic osteochondroplasty for femoroacetabular impingement using FEA
- D) FEA and material characteristics measurement of osteonecrosis of the femoral head

5. Spino-pelvic-lower limb alignment after THA

- A) Postural and chronological change in pelvic tilt following THA
- B) Preoperative planning for implant placement with consideration of pelvic tilt in THA
- C) Leg length discrepancy and lower limb alignment after THA
- D) Effect of pre-existing spinal deformity on patients' outcome after THA
- E) Evaluation of functional femoral anteversion and femoral rotation using CT and EOS system in THA patients
- F) Evaluation of the effect of THA on spine-hip-knee alignment and pain using EOS system
- G) Evaluation of femoral rotation after THA in standing position using EOS system

6. Stress-shielding and bone remodeling after THA

- A) Influence of cementless stem design on BMD change after THA
- B) Effect of femoral canal shape on adaptive bone remodeling around a cementless stem
- C) Efficacy of alendronate in the prevention of bone loss following THA
- D) Effect of teriparatide for preservation of BMD after THA

7. Gait analysis, Musculoskeletal simulation

- A) Subject-specific musculoskeletal simulation to estimate muscle forces around the hip during abnormal gait
- B) Effect of hip prosthesis position on muscle forces around the hip based on musculoskeletal simulation
- C) 3D measurement of the muscle volume and the fatty degeneration of the gluteus medius in patients with hip osteoarthritis

8. Hip arthroscopy, Femoroacetabular impingement (FAI)

- A) Accuracy of computer-navigated arthroscopic cam resection for FAI using a 3D model comparison method
- B) Influence of location and depth of cam resection on proximal femur strength: finite element study using femur models based on postoperative CT data

- C) Evaluation of uptake location by PET-CT scan on cam deformity in FAI patients
- D) ROM evaluation after virtual osteochondroplasty by impingement simulation
- E) Evaluation of residual cam deformity after osteochondroplasty by 3D impingement simulation
- F) Evaluation of bone turnover in FAI by ¹⁸F-fluoride PET

9. Artificial Intelligence (AI) study

- A) Application of AI for prediction of pelvic tilt after THA
- B) Application of AI for prediction of periprosthetic bone loss after THA
- C) AI risk evaluation program of VTE after THA

VII. ENGLISH PUBLICATIONS

Book Chapters:

1. Kobayashi N, Higashihara S, **Inaba Y**: The Practice of Computer-Assisted Planning and Navigation for Hip Arthroscopy. Essentials in Hip and Ankle. Intech Open, p1-9, 2019.
2. **Inaba Y**, Ike H, Oba M, Saito T: Chapter X. Evaluation of adaptive bone remodeling after total hip arthroplasty using finite element analysis. Finite Element Analysis (ISBN 978-953-51-4889-0). Radostina Petrova Ed. INTECH, p213-230, 2016.
3. **Inaba Y**, Yukizawa Y, Saito T: Chapter 7. Coagulation and Fibrinolysis Markers and Their Use for the Prediction of High Risk Patients with Venous Thromboembolism Following Total Hip Arthroplasty. Fibrinolysis and Thrombolysis (ISBN 978-953-51-1265-5). Krasimir Kolev Ed. INTECH, p163-176, 2014.

Scientific Papers

1. Choe H, Kamono E, Abe K, Hieda Y, Ike H, Kumagai K, Kobayashi N, **Inaba Y**: Accuracy of Albumin, Globulin, and Albumin–Globulin Ratio for Diagnosing Periprosthetic Joint Infection: A Systematic Review and Meta-Analysis. Journal of Clinical Medicine. 2023 Dec [Online ahead of print]
2. Choe H, Maruo A, Hieda Y, Abe K, Kobayashi N, Ike H, Kumagai K, Takeyama M, Kawabata Y, **Inaba Y**: Novel Local Antifungal Treatment for Fungal Periprosthetic Joint Infection With Continuous Local Antibiotic Perfusion: A Surgical Technique. Arthroplasty Today. 24:101245,2023 Nov 7.
3. Inoue T, Kobayashi N, Baba N, Ide M, Higashi T, **Inaba Y**: Predictors of conversion surgery after conservative treatment for pyogenic spondylitis. Journal of Orthopaedic Science. 2023 Nov 7.
4. Miyajima S, Kobayashi N, Yukizawa Y, Kamono E, Choe H, Kumagai K, **Inaba Y**: Shelf acetabuloplasty may inhibit range of motion: A computer simulation analysis. J Orthop Res. 2023 Oct 8. [Online ahead of print]
5. Nejima S, Kumagai K, Yamada S, Sotozawa M, **Inaba Y**: Radiologic simulation of leg length change after double level osteotomy in preoperative surgical planning. Knee Surgery & Related Research. 35(1):24,2023 Sep 19.
6. Yan F, Wei Q, Li Z, Chen X, Oba M, Abe K, Morita A, Choe H, **Inaba Y**, He W : Predicting femoral head collapse in osteonecrosis of femoral head via e Evaluation of The Lesion Location in Osteonecrosis of The Femoral Head with ARCO Stage- II and III Disease Using a An Quantifying Method :reser. The Journal of Bone & Joint Surgery. [Epub ahead of print]
7. Egashira K, Ino Y, Naka Y, Ohira T, Akiyama T, Moriyama K, Yamamoto Y, Kimura M, Ryo A, Saito T,

- Inaba Y, Hirano H, Kumagai K, Kimura Y: Identification of gravity-responsive proteins in the femur of spaceflight mice using a quantitative proteomic approach. *Journal of Proteomics*. 288:104976, 2023 Jul 22. [Online ahead of print]
8. Saito M, Kobayashi N, Honda H, Kamono E, Yukizawa Y, Choe H, Ike H, Kumagai K, Inaba Y: Physical therapy may not be successful for patients with cam-type femoroacetabular impingement syndrome and may result in insufficient hip range-of-motion when femoral anteversion is less than 16° and α -angle is greater than 65°. *Arthroscopy*. 19;S0749-8063(23)00555-8, 2023 Jul. [Online ahead of print]
 9. Imanishi K, Kobayashi N, Kamono E, Yukizawa Y, Takagawa S, Choe H, Kumagai K, Inaba Y: Tranexamic acid administration for the prevention of periprosthetic joint infection and surgical site infection: a systematic review and meta-analysis. *Arch Orthop Trauma Surg*. 2023 Jun 24. [Online ahead of print]
 10. Morita A, Kobayashi N, Choe H, Tezuka T, Misumi T, Inaba Y: Effect of implant composition on periprosthetic bone mineral density after total hip arthroplasty. *Arch Orthop Trauma Surg* 143(5): 2763-2771, 2023 May.
 11. Kumagai K, Yamada S, Nejima S, Sotozawa M, **Inaba Y**: Cartilage Degeneration of the Lateral Compartment of the Knee at Second-Look Arthroscopy Is Associated With Deterioration of 10-Year Clinical Outcomes After Opening-Wedge High Tibial Osteotomy. *Arthroscopy*. S0749-8063(23)00308-0. 2023 Apr 27. [Online ahead of print]
 12. Miyatake K, Choe H, Fujisawa T, Kawabata Y, Kusaba Y, **Inaba Y**: Application of Intraoperative CT-Ultrasound Fusion Imaging in Hip Endoscopy for Treatment of Iatrogenic Impingement Due to PLLA Screw: A Novel Surgical Technique. *Arthroscopy Techniques*. 2023 May. [Online ahead of print]
 13. Kawakami E, Kobayashi N, Ichihara Y, Ishikawa T, Choe H, Tomoyama A, **Inaba Y**: Monitoring of blood biochemical markers for periprosthetic joint infection using ensemble machine learning and UMAP embedding. *Arch Orthop Trauma Surg*. 2023 Apr 28. [Online ahead of print]
 14. Yamada K, Aota Y, Saito T, **Inaba Y**: Correlation between leg pain at rest and spinal nerve edema in symptomatic lumbar foraminal stenosis. *Orthop Traumatol Surg Res*. 109(2): 103119, 2023 Apr.
 15. Kobayashi D, Choe H, Kobayashi N, Watanabe S, **Inaba Y**: Effects of changes in whole-body alignment on ipsilateral knee pain after total hip arthroplasty. *J Orthop Sci*. 28(2): 398-402, 2023 Mar.
 16. Kobayashi N, Kamono E, Kameda K, Yukizawa Y, Takagawa S, Honda H, **Inaba Y**: Is there any clinical advantage of capsular repair over capsular resection for total hip arthroplasty? An updated systematic review and meta-analysis. *Arch Orthop Trauma Surg*. 143(3): 1689-1697, 2022 Mar.
 17. Fujita S, Takeyama M, Kato S, Kawabata Y, Nezu Y, Hayashida K, Saito K, Ikuma K, Washimi K, Choe H, Hiruma T, **Inaba Y**: Effect of Tranilast on the Frequency of Invasive Treatment for Extra-Abdominal Desmoid Fibromatosis. *J Nippon Med Sch*. 90(1): 79-88, 2023 Mar.

18. Choe H, Kobayashi N, Abe K, Hieda Y, Tezuka T, **Inaba Y**: Evaluation of serum albumin and globulin in combination with C-reactive protein improves serum diagnostic accuracy for low-grade periprosthetic joint infection. *J Arthroplasty*. 38(3):555-561, 2023 Mar.
19. Saito K, Kawabata Y, Kobayashi N, Iwashita H, Kato I, Otani M, Hayashida K, Fujita S, Yoshida T, Choe H, Takeyama M, **Inaba Y**: A rare case of intra-articular synovial sarcoma of the hip joint: a case report with intra-articular findings via hip arthroscopy. *J Surg Case Rep*. 2023(2):rjad066, 2023 Feb 27.
20. Kameda K, Miyatake K, Fujisawa T, Otsu A, Kawabata Y, Kusaba Y, **Inaba Y**: Dynamic sonographic diagnosis of snapping elbow associated with congenital radioulnar synostosis. *JSES Reviews, Reports & Techniques*. 3(1):116-119, 2023 Feb.
21. Arakawa H, Kobayashi N, Kamono E, Yukizawa Y, Takagawa S, Honda H, **Inaba Y**: Prior hip arthroscopy increases the risk of dislocation, reoperation, and revision after hip arthroplasty: An updated meta-analysis and systematic review. *J Orthop Sci*. S0949-2658(23)00005-2, 2023 Jan 18. [Online ahead of print]
22. Sotozawa M, Kumagai K, Ishikawa K, Yamada S, Inoue Y, **Inaba Y**: Bevacizumab suppressed degenerative changes in articular cartilage explants from patients with osteoarthritis of the knee. *J Orthop Surg Res*. 18(1):25, 2023 Jan 10.
23. Hayashida K, Kawabata Y, Yoshida T, Saito K, Fujita S, Choe H, Kato I, Takeyama M, **Inaba Y**: Characteristics of Patients with Giant Cell Tumor of Bone and High Serum Tartrate-Resistant Acid Phosphatase 5b Levels: Comparison of Tumor Volume and Clinical Factors. *J Nippon Med Sch*. 89(6):572-579, 2022.
24. Higashi T, Kobayashi N, Ide M, Uchino Y, Inoue T, **Inaba Y**: The Effect of Local Administration of Vancomycin Suspended in Fibrin Glue for Prevention of Surgical Site Infection After Spinal Instrumentation: Comparison by Probability of Treatment Weighting Model. *Spine (Phila Pa 1976)*. 2022 Dec 28. [online ahead of print]
25. Oba T, Okamoto S, Ueno Y, Matsuo M, Tadokoro T, Kobayashi S, Yasumura K, Kagimoto S, **Inaba Y**, Taniguchi H: In vitro elastic cartilage reconstruction using human auricular perichondrial chondroprogenitor cell-derived micro 3D spheroids. *J Tissue Eng*. 13:20417314221143484, 2022 Dec 23.
26. Nejima S, Kumagai K, Yamada S, Sotozawa M, Kumagai D, Yamane H, **Inaba Y**: Potential anatomic risk factors resulting oversized postoperative medial proximal tibial angle after double level osteotomy. *BMC Musculoskelet Disord*. 23(1):1121, 2022 Dec 23.
27. Oba M, Choe H, Yamada S, Gondai Y, Abe K, Tezuka T, Ike H, **Inaba Y**: Corrective osteotomy for complex tibial deformity in a patient with hereditary vitamin D-resistant hypophosphatemic rickets (HVDRR) using CT-based navigation system and 3D printed osteotomy model. *Comput Assist Surg (Abingdon)*. 27(1):84-90, 2022 Dec.

28. Kobayashi N, **Inaba Y**: Imaging diagnosis, prevalence, and clinical outcomes of arthroscopic surgery for anterior inferior iliac spine impingement: A systematic review and meta- analysis. *J Orthop of Sports Medicine*. 10(11): 23259671221131341, 2022 Nov 11.
29. Wakayama Y, Higashi T, Kobayashi N, Choe H, Matsumoto M, Abe T, Takeuchi I, **Inaba Y**: Clinical utility of minimally invasive posterior internal fixation within the pelvic ring using S2 alar iliac screws for unstable pelvic ring fracture. *Injury*. 53(10): 3371-3376, 2022 Oct.
30. Honda H, Kobayashi N, Kamono E, Yukizawa Y, Higashihira S, Takagawa S, Choe H, Ike H, Tezuka T, **Inaba Y**: Effect of 3-dimensional versus single-plane shanges in pelvic dynamics on range of motion in hips with femoracetabular impingement. *The Orthopaedic Journal of Sports Medicine*. 10(9): 23259671221123604, 2022 Sep 28.
31. Sotozawa M, Kumagai K, Yamada S, Nejima S, **Inaba Y**: Patient-specific instrumentation for total knee arthroplasty improves reproducibility in the planned rotational positioning of the tibial component. *J Orthop Surg Res*. 17(1):403, 2022 Sep 5.
32. Oishi T, Kobayashi N, Yukizawa Y, Takagawa S, Honda H, **Inaba Y**: Radiographs are comparable with 3-dimensional computed tomography-based models as a modality for the preoperative planning of the arthroscopic lateral acromioplasty: A retrospective comparative Study. *Arthrosc Sports Med Rehabil*. 4(5):e1799-e1806, 2022 Sep 3.
33. Nejima S, Kumagai K, Sotozawa M, **Inaba Y**: A popliteal vascular injury during distal femoral osteotomy: An unusual case report. *Journal of Orthopaedic Reports*. 2022 Sep.
34. Fujimaki H, Tomioka M, Kanoshima Y, Morita A, Yamori T, **Inaba Y**: Accuracy of the fracture risk assessment tool for judging pharmacotherapy initiation for primary osteoporosis. *J Bone Miner Metab*. 40(5): 860-868, 2022 Sep.
35. Kobayashi H, Saito S, Akamatsu Y, Kumagai K, Nejima S, **Inaba Y**: The relationship between the “Fujisawa point” and anatomical femorotibial angle following simulated open wedge high tibial osteotomy. *BMC Musculoskelet Disord*. 23(1): 776, 2022 Aug 15.
36. Kumagai K, Yamada S, Nejima S, Sotozawa M, **Inaba Y**: Minimum 5-year outcomes of osteochondral autograft transplantation with a concomitant high tibial osteotomy for spontaneous osteonecrosis of the knee with a large lesion. *Cartilage*. 13(3): 19476035221126341, 2022 Jul-Sep.
37. Kumagai K, Yamada S, Nejima S, Sotozawa M, **Inaba Y**: Biological Effects of High Tibial Osteotomy on Spontaneous Osteonecrosis of the Knee. *Cartilage*. 13(3):19476035221118171, 2022 Jul-Sep.
38. Morita A, Kobayashi N, Choe H, Tezuka T, Misumi T, **Inaba Y**: Effect of implant composition on periprosthetic bone mineral density after total hip arthroplasty. *Arch Orthop Trauma Surg*. 2022 Jul 20. [online ahead of print].

39. Fujii J, Aoyama S, Tezuka T, Kobayashi N, Kawakami E, **Inaba Y (corresponding author)**: Prediction of change in pelvic tilt after total hip arthroplasty using machine learning. *J Arthroplasty*. 2022 Jul 1. [online ahead of print].
40. Nejima S, Fujimaki H, Kumagai K, Choe H, Ike H, Tezuka T, Hisatomi K, Nagaoka A, **Inaba Y**: Deformity analysis of the lower limb on the coronal plane in patients with rheumatoid arthritis and osteoarthritis. *Mod Rheumatol* 32(4): 741-745, 2022 Jul 1.
41. Choe H, Kobayashi N, Oba M, Tezuka T, Ike H, Morita A, Abe K, **Inaba Y**: Bilateral fragility femoral supracondylar fractures in adolescents due to long-term home stay during the COVID-19 pandemic: A case report. *J Orthop Sci*. S0949-2658(22)00134-8, 2022 Jun 8.
42. Fujisawa T, Choe H, Kusaba Y, Kawabata Y, Otoshi A, Miyatake K, **Inaba Y**: Medial meniscus extrusion and stage are related to the size of spontaneous osteonecrosis of the knee in patients who underwent high tibial osteotomy. *Knee*. 36:72-79, 2022 Jun.
43. Nejima S, Kumagai K, Yamada S, Sotozawa M, Kumagai D, Yamane H, **Inaba Y**: Surgical planning of osteotomies around the knee differs between preoperative standing and supine radiographs in nearly half of cases. *BMC Musculoskelet Disord*. 23(1):497, 2022 May 26.
44. Hayashida K, Kawabata Y, Saito K, Fujita S, Choe H, Kato I, Takeyama M, **Inaba Y**: Prevalence and risk factors of preoperative venous thromboembolism in patients with malignant musculoskeletal tumors: an analysis based on D-dimer screening and imaging. *Thromb J*. 20(1):22, 2022 Apr 26.
45. Nejima S, Kumagai K, Yamada S, Sotozawa M, Natori S, Itokawa K, **Inaba Y**: The range of the required anterolateral cortex osteotomy distance varied widely in biplanar open wedge high tibial osteotomy. *BMC Musculoskelet Disord*. 23(1):327, 2022 Apr 6.
46. Abe K, Oba M, Kobayashi N, Higashihira S, Choe H, Tezuka T, Ike H, **Inaba Y**: Accuracy of computer navigation-assisted arthroscopic osteochondroplasty for Cam-type femoroacetabular impingement using the model-to-image registration method. *Am J Sports Med*. 50(5):1272-1280, 2022 Apr.
47. Harigane K, Mochida Y, Shimazaki T, Kobayashi N, **Inaba Y**: Pharmacoeconomic analysis of biologics and methotrexate for rheumatoid arthritis from the standpoint of the number needed to treat concept under the Japanese health insurance system. *Cost Eff Resour Alloc*. 20(1):13, 2022 Mar 24.
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VIII. PODIUM AND POSTER PRESENTATIONS (International meeting)

Invited Lectures

1. **Inaba Y** : Osteotomies in the dysplastic hip. 21st Asia Pacific Orthopaedic Association Congress 2021, Kuala Lumpur, Malaysia (web), 2021, 7.
2. **Inaba Y** : Taper wedge stem fixation: tips and tricks. 21st Asia Pacific Orthopaedic Association Congress 2021, Kuala Lumpur, Malaysia (web), 2021, 7.
3. **Inaba Y** : Application of computer technology in Pediatric Orthopaedics. 13th Combined Meeting of Asia Pacific Spine Society & Asia Pacific Paediatric Orthopaedic Society, Kobe, Japan, 2021, 6.
4. **Inaba Y**: Evaluation of the effect of hip surgeries using finite element analysis. European Orthopaedic Research Society 2018 Meeting (Invited Lecture), Galway, Ireland, 2018, 9.
5. **Inaba Y**: Diagnosis and Treatment of Prosthetic Joint Infection. The 60th annual meeting of Korean Orthopaedic Association (Luncheon Seminar), Incheon, Korea, 2016, 10.
6. **Inaba Y**: Postural and postoperative change in pelvic tilt and femoral rotation after total hip arthroplasty. The 60th annual meeting of Korean Orthopaedic Association (Invited Lecture), Incheon, Korea, 2016, 10.
7. **Inaba Y**: Clinical result in decade CT-Based Hip Navigation System: Application to total hip arthroplasty and hip osteotomy. The 16th Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery (CAOS International 2016) (Invited Lecture), Osaka, Japan, 2016, 6.
8. **Inaba Y**: CT-based navigation-guided hip surgery: Less invasive THA and hip osteotomies. The Combined Academic Congress of 12th Congress of the Asia Pacific Computer Assisted Orthopaedic Surgery (CAOS-AP), 18th International Symposium of Association Research Circulation Osseous (ARCO), and 68th Annual Congress of Taiwan Orthopaedic Association (TOA) (Invited Lecture), Chiayi, Taiwan, 2015, 4.
9. **Inaba Y**: Computer-assisted hip surgery: Less invasive THA and hip osteotomies using CT-based navigation. The 2014 Annual Congress of Korean Orthopaedic Association (KOA) (Instructional Course Lecture), Seoul, Korea, 2014, 10.
10. **Inaba Y**: Preoperative planning and postoperative evaluation for THA using CT-based navigation system. The 2009 Annual Meeting of CAOS-KOREA (Invited Lecture). Seoul, Korea, 2009, 11.
11. **Inaba Y**: Accuracy of CT-based computer navigation in minimally invasive THA for DDH patients. The 2009 Annual Meeting of CAOS-KOREA (Invited Lecture). Seoul, Korea, 2009, 11.

Symposium and Panel Discussions

1. **Inaba Y** : Accuracy comparison of cup placement between THA using Mako robotic-arm assisted system and CT-based navigation. 25th meeting of Thai Hip and Knee Society, Hua-hin, Thailand, 2023, 12.
2. **Inaba Y**: Complex primary total hip arthroplasty for post-osteotomy cases using computer-assisted

- technologies. The 9th Masterclass in Arthroplasty Surgery Thessaloniki (Panel Discussion), Thessaloniki, Greece (Web), 2022, 12.
3. **Inaba Y** : Advance in DDH imaging: application of CT-based navigation. 13th Combined Meeting of Asia Pacific Spine Society & Asia Pacific Pediatric Orthopaedic Society (Symposium), Kobe, Japan, 2021.6.
 4. Choe H, Tezuka T, Oba M, Miyamae Y, Morita A, Abe K, Yang F, **Inaba Y**: External rotation of femur increases risk for implant impingement in revision total hip arthroplasty. 21st Asia Pacific Orthopaedic Association Congress 2021 His Award Paper Session), Kuala Lumpur, Malaysia (web), 2021.7.
 5. Ike H, Kobayashi N, Choe H, Oba M, Tezuka T, **Inaba Y**: Stress and periprosthetic bone mineral density changes after implantation of two different zweymuller type stems. 6th International conference of Computational and Mathematical Biomedical Engineering (Symposium), Sendai, Japan, 2019, 6.
 6. **Inaba Y**, Kobayashi N, Hyonmin C, Ike H: The importance of computer technology in hip osteotomy. The 62nd Annual Congress of the Korean Orthopaedic Association (International Symposium), Seoul, Korea, 2018, 10.
 7. Kobayashi N, **Inaba Y**, Tomoyama A, Choe H, Ike H, Higashihira S, Saito T: Role of molecular diagnosis in periprosthetic joint infection. European Orthopaedic Research Society 2018 Meeting (EORS 2018) (Symposium), Galway, Ireland, 2018, 9.
 8. Ike H, **Inaba Y**, Kobayashi N, Choe H, Tezuka T, Kobayashi D, Watanabe S, Higashihira S: Effects of design modification in Zweymuller cementless total hip prosthesis. European Orthopaedic Research Society 2018 Meeting (EORS 2018) (Symposium), Galway, Ireland, 2018, 9.
 9. Higashihira S, Kobayashi N, **Inaba Y**, Oishi T, Choe H, Ike H, Kobayashi D, Watanabe S, Saito T: Diagnosis for labrum tear using radial sequence 3D multiple echo recombined gradient echo MRI: comparison with arthroscopic findings. European Orthopaedic Research Society 2018 Meeting (EORS 2018) (Symposium), Galway, Ireland, 2018, 9.
 10. Oishi T, Kobayashi N, **Inaba Y**, Kobayashi D, Higashihira S, Saito T: The posterior acetabular uptake (Contre-Coup lesion) by 18F-fluoride PET/CT in FAI syndrome cases. European Orthopaedic Research Society 2018 Meeting (EORS 2018) (Symposium), Galway, Ireland, 2018, 9.
 11. Tomoyama A, Kobayashi N, **Inaba Y**, Choe H, Ike H, Kobayashi D, Watanabe S, Higashihira S, Yamazaki E, Saito T: Profile of minimum inhibitory concentration of Staphylococcus species in orthopaedic infection. European Orthopaedic Research Society 2018 Meeting (EORS 2018), Galway, Ireland, 2018, 9 (Symposium)
 12. **Inaba Y**, Kobayashi N, Choe H, Tezuka T, Kubota S, Saito T: Clinical results of total hip arthroplasty and hip osteotomy using CT-based navigation. The 27th Korean-Japanese Combined Orthopaedic Symposium (Symposium II), Incheon, Korea, 2017, 5.
 13. **Inaba Y**, Kobayashi N, Yukizawa Y, Choe H, Tezuka T, Kubota S, Kobayashi D, Saito T: Risk assessment

- and prophylaxis of venous thromboembolism following total hip arthroplasty. International Congress for Joint Reconstruction Japan 2017 (Symposium Hip2), Tokyo, Japan, 2017, 4.
14. Kobayashi N, **Inaba Y**, Choe H, Kawamura M, Tomoyama A, Tezuka T, Saito T: Role of molecular diagnosis and other novel diagnostic methods in periprosthetic joint infection. International Congress for Joint Reconstruction Japan 2017 (Symposium Hip8), Tokyo, Japan, 2017, 4.
 15. **Inaba Y**: Microbial Attack: Organism identification and the host response. 2016 International Combined Meeting of Orthopaedic Research Societies (Workshop: Periprosthetic Joint Immunology – Is the Danger Clear?), Xi'an, China, 2016, 9.
 16. **Inaba Y**: THA Surgical Technique & Approaches. My Top 5 Moves (video vignettes). The 3rd Annual Pan Pacific Orthopaedic Congress (Symposium), Big Island, Hawaii, 2016, 8.
 17. **Inaba Y**: Expert Panel 1: Primary THA. The 3rd Annual Pan Pacific Orthopaedic Congress (Expert panel), Big Island, Hawaii, 2016, 8.
 18. Kobayashi N, **Inaba Y**, Choe H, Kawamura M, Saito T: Recent development in periprosthetic joint infection diagnosis. The 26th Japanese-Korean Combined Orthopaedic Symposium (Hip Surgery Symposium), Kurashiki, Okayama, 2016, 5.
 19. **Inaba Y**, Kobayashi N, Ike H, Kubota S, Saito T: The importance of computer technology in hip osteotomy. The 89th Annual Meeting of the Japanese Orthopaedic Association (International symposium), Yokohama, 2016, 5.
 20. Kobayashi N, **Inaba Y**, Kawamura M, Choe H, Yukizawa Y, Kubota S, Matsuda Y, Saito T: Role of molecular diagnosis and other novel diagnostic methods in periprosthetic joint infection. The 89th Annual Meeting of the Japanese Orthopaedic Association (JOA/AAOS combined symposium), Yokohama, Japan, 2016, 5.
 21. Kobayashi N, **Inaba Y**, Choe H, Kawamura M, Yukizawa Y, Kubota S, Matsuda Y, Saito T: Diagnosis of periprosthetic infection: role of polymerase chain reaction (PCR) and positron emission tomography (PET). The 42nd Annual Meeting of Japanese Hip Society (International Symposium), Osaka, Japan, 2015, 10.
 22. **Inaba Y**, Kobayashi N, Tezuka T, Ike H, Kubota S, Saito T: Influence of pelvic tilt on polyethylene wear after total hip arthroplasty. The 25th Korean-Japanese Combined Orthopaedic Symposium (Hip Symposium), Busan, Korea, 2015, 5.
 23. **Inaba Y**, Kobayashi N, Saito T: New approach to diagnosis of periprosthetic joint infection. The 2015 International Congress of Joint Reconstruction (ICJR) Hip Japan (Symposium), Osaka, Japan, 2015, 1.
 24. **Inaba Y**, Kobayashi N, Ike H, Tezuka T, Kubota S, Kawamura M, Saito T: Preoperative planning and intraoperative assistance using CT-based navigation in hip osteotomies. The 2014 Annual Meeting of CAOS (Computer-Assisted Orthopaedic Surgery)-Korea (Symposium), Seoul, Korea, 2014, 9.

25. Kobayashi N, **Inaba Y**, Ike H, Tezuka T, Kubota S, Kawamura M, Saito T: Parathyroid hormone vs. alendronate treatment for the bone mineral density loss around implant after total hip arthroplasty. The 24th Japanese-Korean Combined Orthopaedic Symposium (Symposium), Hakone, Japan, 2014, 6.
26. Kobayashi N, **Inaba Y**, Ike H, Tezuka T, Kubota S, Kawamura M, Saito T: The evaluation of the accelerated bone turn over in CAM lesion of femoroacetabular impingement cases using 18F-fluoride positron emission tomography. The 24th Japanese-Korean Combined Orthopaedic Symposium (Symposium), Hakone, Japan, 2014, 6.
27. **Inaba Y**, Kobayashi N, Ike H, Kubota S, Takagawa S, Naka T, Saito T: Cementless THA: Acetabular Component. The 87th Annual Meeting of the Japanese Orthopaedic Association (Crossfire, English debate), Kobe, Japan, 2014, 5.
28. **Inaba Y**, Kobayashi N, Yukizawa Y, Ike H, Kubota S, Takagawa S, Naka T, Saito T: CT-based navigation in less invasive total hip Arthroplasty and hip osteotomies. The 23rd Korean-Japanese Orthopaedic Symposium (Symposium), Buyeo, Korea, 2013, 6.
29. Oinuma K, Shiratsuchi H, Ohzono K, Yamamoto K, Ando W, Atsumi T, **Inaba Y**, Tokunaga H, Aihara M: Comparison of metal ion levels between the small and large head metal-on-metal total hip arthroplasty (Pannel Discussion). 15^{ème} Réunion de Société Franco-Japonaise d'Ortopédie (The 15th annual meeting of Japan-France Orthopaedic Society). Tokyo, Japan, 2012, 9.
30. **Inaba Y**, Kobayashi N, Yukizawa Y, Choe H, Ike H, Kubota S, Ata Y, Saito T: Fluoride PET uptake after hip resurfacing: anterolateral and posterior approach. The 22nd Japan-Korean Orthopaedic Symposium (Symposium), Nikko, Japan, 2012, 6.
31. Yukizawa Y, **Inaba Y**, Kobayashi N, Ike H, Kubota S, Ata Y, Saito T: Role of coagulation markers in screening for venous thromboembolism following total hip arthroplasty. The 22nd Japan-Korean Orthopaedic Symposium (Symposium), Nikko, Japan, 2012, 6.

Free Papers & Posters

1. Miyajima S, Kobayashi N, Yukizawa Y, Honda H, **Inaba Y**: Verification of Optimal Shelf Position to Avoid Iatrogenic Impingement in Shelf Acetabuloplasty. The 2023 Annual Meeting of Orthopaedic Research Society, Dallas, Texas, 2023, 2.
2. Morita A, Hirakawa K, Takayanagi S, Mihara M, Kashihara M, Kobayashi D, **Inaba Y**: Comparison of Subsidence and Stress Shielding Between Collarless and Collared Stems at 15 years After Total Hip Arthroplasty. The 2023 Annual Meeting of Orthopaedic Research Society, Dallas, Texas, 2023, 2.
3. Hieda Y, Choe H, Ike H, Tezuka T, **Inaba Y**: Investigations of efficacy and safety of Continuous Local Antibiotics Perfusion for Prosthetic Joint Infection of the hip. The 2023 Annual Meeting of Orthopaedic Research Society, Dallas, Texas, 2023, 2.

4. Saito K, Kawabata Y, Kato I, Hayashida K, Yoshida T, Yamamoto T, Fujita S, Choe H, Takayama M, **Inaba Y**: The assessment of overall survival in soft-tissue sarcoma using Prognostic Nutritional Index. The 2023 Annual Meeting of Orthopaedic Research Society, Dallas, Texas, 2023, 2.
5. Uzu M, Saito K, Kawabata Y, Kato I, Yoshida T, Yamamoto T, Fujita S, Choe H, Takeyama M, **Inaba Y**: Prognostic Nutritional Index is useful for predicting the prognosis of patients with myxofibrosarcoma. The 2023 Annual Meeting of Orthopaedic Research Society, Dallas, Texas, 2023, 2.
6. Yoshida T, Kawabata Y, Choe H, Takeyama M, **Inaba Y**: Short-term results of endoprosthesis proximal femur replacement for malignant bone tumors. The 2023 Annual Meeting of Orthopaedic Research Society, Dallas, Texas, 2023, 2.
7. Kawabata Y, Fujisawa T, Miyatake K, Kusaba Y, Saito K, Yoshida T, Takeyama M, **Inaba Y**: Characteristics of Sports Trauma and Disability in the Japanese National Blind Foot Ball Team - After the Tokyo 2020 Paralympics-. The 2023 Annual Meeting of Orthopaedic Research Society, Dallas, Texas, 2023, 2.
8. Abe K, Choe H, Hieda Y, Kobayashi N, Ike H, Tezuka T, **Inaba Y**: Identification of causative organisms in Periprosthetic joint infections using the Nanopore sequencer. The 2023 Annual Meeting of Orthopaedic Research Society, Dallas, Texas, 2023, 2.
9. Takeyama M, Kawabata Y, Saito K, Yoshida T, Fujita S, **Inaba Y**: Prediction of Hematologic and Non-Hematologic Toxicity by Serum Nutritional Parameters and Inflammatory Response Parameters; A Study of Trabectedin Therapy in Advanced Soft Tissue Sarcoma. The 2023 Annual Meeting of Orthopaedic Research Society, Dallas, Texas, 2023, 2.
10. Yukizawa Y, Kobayashi N, Miyajima S, Takagawa S, Honda H, Hirotohi K, **Inaba Y**: Verification Of The Optimal Position Of Grafted Shelf For Acetabular Dysplasia By Finite Element Analysis. The 2023 Annual Meeting of Orthopaedic Research Society, Dallas, Texas, 2023, 2.
11. Takeyama M, Kawabata Y, Hayashida K, Fujita S, Saito K, **Inaba Y**: Usefulness of polypropylene mesh in proximal femoral replacement for metastatic bone tumors. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
12. Tezuka T, Kawauchi S, Kawakami E, Choe H, Ike H, Akiyama G, Usui K, Hieda Y, **Inaba Y**: Application of artificial intelligence for the prediction of venous thromboembolism after total hip arthroplasty. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
13. Ike H, Choe H, Tezuka T, Kobayashi D, Watanabe S, Akiyama G, Usui K, Kurasawa M, Hieda Y, **Inaba Y**: Influence of pelvic incidence on sagittal balance of the spine and pelvis. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
14. Usui K, Tezuka T, Choe H, Ike H, Akiyama G, Hieda Y, **Inaba Y**: Prediction of femoral rotation after total hip arthroplasty. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web),

2022.2.

15. Yoneyama T, Choe H, Ike H, Tezuka T, Usui K, Hieda Y, **Inaba Y**: Three-dimensional CT analysis of muscles volume and density around hip joint in patients with femoral neck fracture. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
16. Hayashida K, Kawabata Y, Arakawa H, Saito K, Takeyama M, **Inaba Y**, Fujita S: Preoperative venous thromboembolism in patients with musculoskeletal tumor: A screening by combination with D-dimer, Ultrasonography and contrast enhanced CT scan. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
17. Fujita S, Hayashida K, Kawabata Y, Nezu Y, Takeyama M, **Inaba Y**: Tranilast reduces the rate of invasive therapeutic intervention in extra-abdominal desmoid fibromatosis, a retrospective study. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
18. Saito K, Kawabata Y, Kato I, Hayashida K, Arakawa H, Fujita S, Takeyama M, **Inaba Y**: Developing MRI scoring to classify lipoma and atypical lipomatous tumor. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
19. Arakawa H, Hayashida K, Kawabata Y, Ikuma K, Saito K, Fujita S, Takeyama M, **Inaba Y**: Characterization of tartrate-resistant acid phosphatase 5b in patients with giant cell tumor of bone. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
20. Hieda Y, Choe H, Tezuka T, Ike H, Usui K, **Inaba Y**: Investigation of the femur and penetrating branch of the deep femoral artery using contrast-enhanced CT images after revision total hip arthroplasty. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
21. Morita A, Kobayashi N, Choe H, Ike H, Tezuka T, Higashihira S, **Inaba Y**: The influence of implant material compositions for periprosthetic bone mineral density loss after total hip arthroplasty. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
22. Shimazaki T, Mochida Y, Harigane K, Nagaoka A, Kobayashi N, **Inaba Y**: Comparison of the recurrence rate of Hallus Valgus between joint-preserving surgery and implant arthroplasty in patients with rheumatoid arthritis. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
23. Abe K, Choe H, Ike H, Ogino T, Sotozawa M, Tezuka T, **Inaba Y**: Sports activities after lower extremity arthroplasty and osteotomy. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.
24. Sotozawa M, Kumagai K, Ishikawa K, Kusaba Y, Inoue Y, Matsubara J, **Inaba Y**: Anti-vascular endothelial growth factor agents suppressed degenerative changes of articular cartilage explants from patients with osteoarthritis of the knee. The 2022 Annual Meeting of Orthopaedic Research Society, Florida, USA (web), 2022.2.

25. Shimazaki T, Mochida Y, Harigane K, Nagaoka A, Kobayashi N, **Inaba Y**: Comparison of the changes of post-operative hallux valgus angle between distal lineal metatarsal osteotomy and modified Scarf osteotomy in patients with rheumatoid arthritis. The 41st SICOT Orthopaedic World Congress, (web), 2021, 9.
26. Kumagai K, Yamada S, Akamatsu T, Nejima S, **Inaba Y**: Factors affecting healing of the osteotomy gap in open wedge high tibial osteotomy with a beta-tricalcium phosphate block. 21st Asia Pacific Orthopaedic Association Congress 2021, (web), 2021, 7.
27. Nejima S, Kumagai K, Yamada S, Akamatsu T, Ogino T, Sotozawa M, **Inaba Y**: The contact area of the flange depends on surgical technique for distal tibial tuberosity osteotomy. 21st Asia Pacific Orthopaedic Association Congress 2021, (web), 2021, 7.
28. Abe K, Choe H, Tezuka T, Oba M, Miyamae Y, Morita A, **Inaba Y**: Difference of serum, imaging, and histopathological findings between rapidly destructive coxitis and other hip destructive disease. 21st Asia Pacific Orthopaedic Association Congress 2021, Kuala Lumpur, Malaysia (web), 2021.7.
29. Kohno M, Niwa Y, Uchino Y, Tsumura M, Kawashima D, Miyata H, **Inaba Y**: Influence of comorbid knee osteoarthritis on surgical outcome and sagittal spinopelvic/lower-extremity alignment in elderly patients with degenerative lumbar interbody fusion. 13th Combined Meeting of Asia Pacific Spine Society & Asia Pacific Paediatric Orthopaedic Society, Kobe, 2021, 6.
30. Ito Y, Mihara H, Tatara Y, Niimura T, Sekiya t, Sakaguchi A, Goda A, Kawabe Y, Kurakane T, Nagashima K, **Inaba Y**: Perioperative complication in anterior cervical decompression and fusion in latter-stage elderly (over 75 years old). 11th Cervical Spine Research Society Asia Pacific Section, Seoul (web), 2021., 3.
31. Hayashida K, Kawabata Y, Takeyama M, **Inaba Y**: Risk factor and incidence of preoperative venous thromboembolism in patients with malignant musculoskeletal tumor. The 2021 Annual Meeting of Orthopaedic Research Society, (web), 2021.2.
32. Takagi T, Kawabata Y, Hayashida K, Takeyama M, Kato I, **Inaba Y**: Analysis of prosthetic infection control rate in the malignant tumors. The 2021 Annual Meeting of Orthopaedic Research Society, (web), 2021.2.
33. Takeyama M, Kawabata Y, Hayashida K, Takagi T, Kato I, Fujita S, **Inaba Y**: Clinical results of desmoid-type fibromatosis in long-term treatment with tranilast. The 2021 Annual Meeting of Orthopaedic Research Society, (web), 2021.2.
34. Kawabata Y, Hayashida K, Matsuo K, Kamiishi T, Nezu Y, Takeyama M, **Inaba Y**: The effective periods of denosumab in giant cell tumor of bone: an analysis in the recurred cases after treatment. The 2021 Annual Meeting of Orthopaedic Research Society, (web), 2021.2.
35. Kusaba Y, Kumagai K, Ishikawa K, Miyatake K, Imai S, **Inaba Y**: Effects of vascular endothelial growth

- factor blocker on tenogenic differentiation of rat tendon-derived cells in vitro. The 2021 Annual Meeting of Orthopaedic Research Society, (web), 2021.2.
36. Tezuka T, Choe H, Ike H, Oba M, Koki A, Tsujiku S, **Inaba Y**: The spinopelvic imbalance pre- and post-total hip arthroplasty. The 2021 Annual Meeting of Orthopaedic Research Society, (web), 2021.2.
 37. Oba M, Choe H, Tezuka T, Ike H, Abe K, Tsujiku S, Anno C, **Inaba Y**: Improving the accuracy of acetabular fragment reorientation in a computer-navigated rotational acetabular osteotomy by fiducial placement method. The 2021 Annual Meeting of Orthopaedic Research Society, (web), 2021.2.
 38. Morita A, Kobayashi N, Choe H, Ike H, Tezuka T, Oba M, Higashihira S, Abe K, **Inaba Y**: Comparison of periprosthetic BMD between Zweymuller type stem and taper wedge type stem according to femoral canal shape. The 2021 Annual Meeting of Orthopaedic Research Society, (web), 2021.2.
 39. Honda H, Kobayashi N, Yukizawa Y, Oishi T, Takagawa S, Choe H, Ike H, Tezuka T, Oba M, Abe K, **Inaba Y**: The effects of three-dimensional pelvic dynamics on hip range of motion in Cam-Type femoroacetabular impingement – a computer simulation analysis -. The 2021 Annual Meeting of Orthopaedic Research Society, (web), 2021.2.
 40. Abe K, Choe H, Ike H, Tezuka T, Oba M, Tsujiku S, **Inaba Y**: MRI findings and serum CRP/albumin ratio can improve the preoperative diagnostic accuracy for SAH in rapid destructive hips with false negative microbiological culture. The 2021 Annual Meeting of Orthopaedic Research Society, (web), 2021.2.
 41. Kobayashi N, Higashihira S, Kitayama H, Kamono E, Yukizawa Y, **Inaba Y**: How does change in pelvic tilt influence femoroacetabular impingement? the 2nd Annual Congress of Asia Society of Hip Arthroscopy, web, 2020,4.
 42. Morita A, Kobayashi N, Choe H, Ike H, Tezuka T, Higashihira S, **Inaba Y** : Study of Preoperative Factors to Predict BMD loss around the Implant after Total Hip Arthroplasty. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
 43. Yukizawa Y, Kobayashi N, Oishi T, Takagawa S, Tsuji M, **Inaba Y** : Clinical Outcomes of Hip Arthroscopy Surgery for Middle-aged Patients. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
 44. Tsuji M, Kobayashi N, Yukizawa Y, Oishi T, Takagawa S, **Inaba Y** : The correction loss of coronal alignment in open wedge high tibial osteotomy with navigation system. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
 45. Takagawa S, Kobayashi N, Yukizawa Y, Oishi T, Tsuji M, Azuma S, Usui K, Natori S, **Inaba Y** : Preoperative soft tissue laxity around knee was associated with less accurate alignment correction after hybrid closed-wedge high tibial osteotomy. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.

46. Oishi T, Kobayashi N, Yukizawa Y, Takagawa S, Tsuji M, **Inaba Y** : The relationship between the critical shoulder angle and the post-operative outcome after arthroscopic rotator cuff repair. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
47. Higashihira S, Kobayashi N, Sumi K, Choe H, Tezuka T, Oba M, Morita A, Abe K, **Inaba Y** : Comparison of Range of motion between Femoroacetabular Impingement and Borderline Developmental Dysplasia of the Hip using 3D Dynamic Simulation in Virtual Acetabular Labrum model. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
48. Kobayashi D, Choe H, Kobayashi N, Saito I, **Inaba Y**: Relationship between Femorotibial Rotation Angle and Patellar Tilting Angle after Total Hip Arthroplasty and the Effect of Rotational Change on Knee Pain. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
49. Kumagai K, Yamada S, Akamatsu T, Nejima S, Ogino T, Sotozawa M, **Inaba Y**: Biological changes after opening wedge high tibial osteotomy for knee osteoarthritis. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
50. Kawabata Y, Takeyama M, Hayashida K, Yoshida T, Shiga A, Kato I, **Inaba Y**: Diagnosis of primary bone and soft tissue sarcoma(STS) using value of FDG PET in patients. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
51. Watanabe S, Choe H, Kobayashi N, Tezuka T, Kobayashi D, **Inaba Y**: Evaluation of Sagittal Pelvic Tilt in Standing, Supine and Sitting in Total Hip Arthroplasty Patients. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
52. Ihara H, Choe H, Kobayashi N, Ike H, Oba M, Tezuaka T, Morita A, Abe K, **Inaba Y**: Finite element analysis for evaluation of contralateral proximal femoral strength in patients with femoral neck fracture. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
53. Kitayama H, Kobayashi N, Higashihira S, Yukizawa Y, Takayuki O, Hyonmin C, Tezuka T, Morita A , **Inaba Y**: Comparison of the effectiveness of the posterior pelvic tilt and cam resection in femoroacetabular impingement and borderline developmental dysplasia of the hip; a computer simulation study. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
54. Ishikawa S, Kumagai K, Imai S, Miyatake K, **Inaba Y**: Effects of Vascular Endothelial Growth Factor Blocker On Tenogenic Differentiation in Vitro. The 2020 Annual Meeting of Orthopaedic Research Society, Phoenix, Arizona, 2020, 2.
55. Choe H, **Inaba Y**: VTE in orthopedics: Japan Perspective. The 41st Annual Meeting of Royal College of Orthopaedic Surgeons of Thailand (Podium), Pattaya, 2019, 10.
56. Oba M, Kobayashi N, Choe H, Ike H, **Inaba Y**: A subject-specific finite element study of proximal femur strength after cam resection for femoro-acetabular impingement.. 6th International Conference on Computational and Mathematical Biomedical Engineering- CMBE2019 (Podium), Sendai, 2019, 9.

57. Miyatake K, **Inaba Y**: Scratch collapse test/hydrorelease for pain and numbness of upper extremities. Taiwan Society of Musculoskeletal Ultrasound (Podium), Taiwan, 2019, 8.
58. Nejima S, Kumagai K, Kobayashi H, Tsuji M, Mitsuhashi S, Sasaki T, **Inaba Y**: Relationship between varus inclination of the tibia (mMPTA), and TT–TG distance or patellar tilt angle in patients with varus knee osteoarthritis. 6th Japan-Korea Knee Osteotomy Symposium, Tokyo, 2019, 7.
59. Tawara D, Rasmussen J, Andersen, Michael S, **Inaba Y**: Assessment of osteoarthritic gait using subject-specific musculoskeletal simulation and finite element analysis. 25th Congress of the European Society for Biomaterials (Podium), Vienna, Austria, 2019, 7.
60. Choe H, Kobayashi N, Kumagai K, Tezuka T, Yamada S, **Inaba Y**: Mortality and implant survival rate in total hip arthroplasty patients with rheumatoid arthritis. The 29th Korea-Japan Combined Orthopaedic Symposium (Podium), Pyeongchang, 2019, 6.
61. Ito Y, **Inaba Y**, Mihara H, Tatara Y, Niimura T, Sekiya T, Goda A: Correlation between clinical outcomes and quantitatively analyzed spinal cord pulsation in anterior cervical decompression surgery, 35th Cervical Spine Research Society-Europe, Roma, 2019, 5.
62. Higashihira S, Kobayashi N, Choe H, Ike H, Tezuka T, Morita A, **Inaba Y**: Impingement simulation based on virtually reconstructed acetabular labrum by patient specific 3-dimensional data. The 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (Podium), Cancun, Mexico, 2019, 5.
63. Hayashida K, Kawabata Y, Kato I, Matsuo K, Kamiishi T, Nedu Y, Suzuki M, Saito K, **Inaba Y**: Clinical Outcome and Pathological Analysis of Giant Cell Tumor of Bone Treated with Denosumab. The 2019 Annual Meeting of Orthopaedic Research Society (Podium), Austin, TX, 2019, 2.
64. Tezuka T, Kobayashi N, Choe H, Ike H, Higashihira S, Morita A, **Inaba Y**: Influence of Plasma Levels of Protein S After Total Hip Arthroplasty. The 2019 Annual Meeting of Orthopaedic Research Society, Austin, TX, 2019, 2.
65. Sumi K, Kobayashi N, Higashihira S, Choe H, Ike H, Tezuka T, Morita A, **Inaba Y**: Radial α Angle Using 3-Dimensional Magnetic Resonance Image for the Evaluation of Cam Morphology —Comparison with Radiographic Angle and Correlation with Signal Intensity. The 2019 Annual Meeting of Orthopaedic Research Society, Austin, TX, 2019, 2.
66. Higashihira S, Kobayashi N, Oishi T, Choe H, Ike H, Tezuka T, Morita A, **Inaba Y**: The Diagnostic Performance of Multiple Echo Recombined Gradient Echo MRI in Acetabular Labrum Tear—Comparison with Arthroscopic Findings. The 2019 Annual Meeting of Orthopaedic Research Society, Austin, TX, 2019, 2.
67. Kobayashi D, Choe H, Kobayashi N, Tezuka T, Ike H, Higashihira S, Morita A, **Inaba Y**: Change of Femoral Rotation After Total Hip Arthroplasty in Standing Position. The 2019 Annual Meeting of

- Orthopaedic Research Society, Austin, TX, 2019, 2.
68. Kawabata Y, Matsuo K, Nedu Y, Kamiishi T, Suzuki M, Hayashida K, **Inaba Y**: The risk assessment of pathological fracture in the proximal femur with a tumor using a ct-based finite element method. The 2019 Annual Meeting of Orthopaedic Research Society, Austin, TX, 2019, 2.
 69. Morita A, Kobayashi N, Choe H, Ike H, Tezuka T, Higashihira S, **Inaba Y**: Limited Value of Teriparatide Switching to Alendronate for the Prevention of BMD Loss Around Implant After THA—Comparison with Alendronate Continuation for 3 Years. The 2019 Annual Meeting of Orthopaedic Research Society, Austin, TX, 2019, 2.
 70. Oba M, Kusayama Y, Takeuchi T, Fujimaki H, Ide M, Inazawa S, Kim Y, Azuma S, Nakazawa A, **Inaba Y**: Analysis of Tibial Component Coverage and Rotation Following Total Knee Arthroplasty Using Open Source Software. The 2019 Annual Meeting of Orthopaedic Research Society, Austin, TX, 2019, 2.
 71. Saito I, Fujisawa T, Fujisaki M, Kobayashi D, Kanoshima Y, Matsuda Y, Beppu Y, Kumagai K, **Inaba Y**: Intraoperative Soft Tissue Balance at Mid-Flexion Affects Postoperative Patient Self-Reported Outcome Measure in Posterior-Stabilized Total Knee Arthroplasty. The 2019 Annual Meeting of Orthopaedic Research Society, Austin, TX, 2019, 2.
 72. Watanabe S, Kobayashi N, Tomoyama A, Choe H, Ike H, Tezuka T, Higashihira S, Morita A, Yamazaki E, **Inaba Y**: Differences of Diagnostic Characteristics Between the Standard Culture and Enrichment Culture in Orthopaedics Infections. The 2019 Annual Meeting of Orthopaedic Research Society, Austin, TX, 2019, 2.
 73. Kobayashi D, **Inaba Y**, Kobayashi N, Choe H, Ike H, Watanabe S, Higashihira S, Saito T: Evaluation of the effect of total hip arthroplasty on lower limb alignment using EOS system. The 2018 Annual Meeting of Orthopaedic Research Society, New Orleans, Louisiana, 2018, 3.
 74. Takahashi M, Kobayashi N, **Inaba Y**, Choe H, Kubota S, Kobayashi D, Watanabe S, Higashihara S, Saito T: Assessment of anterior inferior iliac spine bone morphology in femoroacetabular impingement using a new reference plane. The 2018 Annual Meeting of Orthopaedic Research Society, New Orleans, Louisiana, 2018, 3.
 75. Watanabe S, **Inaba Y**, Kobayashi N, Choe H, Ike H, Kobayashi D, Higashihira S, Saito T: Evaluation of change of pelvic tilt and cup anteversion from standing to sitting position after total hip arthroplasty using EOS system. The 2018 Annual Meeting of Orthopaedic Research Society, New Orleans, Louisiana, 2018, 3.
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