

October 27, 2023

## **CURRICULUM VITAE**

**NAME:** Yasuhiro HOMMA, M.D., Ph.D.

**GENDER:** MALE

**POSITION TITLE:** Assistant Professor, Department of Orthopaedics, Faculty of Medicine,  
Juntendo University

**EDUCATION:** 2005: Juntendo University, school of medicine, M.D  
2012: Paris East University, Le master sciences, technologies, santé  
(Biologie santé, Biothérapies tissulaires, Cellulaires, et Géniques),  
Master's degree.  
2014: Juntendo University, graduated school, PhD

**LICENSURE & CERTIFICATION:** National Board of Medicine  
Japanese Board of Orthopaedic Surgery  
Certified arthroplasty specialist (The Japanese society for replacement  
arthroplasty)

**POST-GRADUATE EXPERIENCE:** 2005-2007: Juntendo Shizuoka Hospital, post graduate resident program  
2007-2008: Cappagh National Orthopaedic Hospital (Ireland) Clinical  
observer (Supervised by Prof. John O'Byrne)  
2008: Juntendo Shizuoka Hospital, Orthopaedic department  
2009: Nakaizu Onsen Hospital, Orthopaedic department  
2009-2010: Juntendo Shizuoka Hospital, Orthopaedic department  
2010-2011: Paris East University, Henri Mondor Hospital (France) Foreign  
resident at orthopaedic department (Supervised by Prof. Philippe Hernigou)  
2011-2012: Unité d'Ingénierie Tissulaire et Cellulaire de EFS-Créteil  
(Master course at Paris East University)  
2013-2016: Juntendo University Hospital, Orthopaedic department  
2016-2018: Depuy Deirector, Office for Research promotion of  
regenerative medicine, Research and development division, Health Policy  
bureau, Ministry of Health, Labour and Welfare Government of JAPAN  
2018-2023: Lecturer at Juntendo University, Orthopaedic department  
2023: Cleveland Clinic (United States of America)  
2023-(2024): Centre national de la recherche scientifique (France)

2023-Present: Assistant Professor at Juntendo University, Orthopaedic department

**ACADEMIC MEMBERSHIPS:** The Japanese Orthopaedic association  
The Japanese society for regenerative medicine  
Acoustical society of Japan  
Société Franco-Japonaise d'Orthopédie (General secretary)  
Corresponding member of International Orthopaedics (Official journal of SICOT)

**MEMBERSHIPS:** Investigator for technology and science (2019-2020): Japan Agency for Medical Research and Development (AMED)  
Member of clinical practice guideline for hip osteoarthritis (3<sup>rd</sup>) (2019~)  
Member of clinical practice guideline for osteoporosis (2022~)

**AWARD:** Best tutor award. Juntendo university, school of medicine, 2023.  
Travel Award: The 85th Annual meeting of the Japanese Orthopaedic Association May 2012.  
Le prix de résidents étrangers des hôpitaux de Paris.Sep, 2011.

**MAJOR RESEARCH INTERESTS:** Hip Surgery, Arthroplasty, Osteoarthritis, Osteoporosis

**PEER-REVIEWED PUBLICATIONS:**

1. Hernigou P, Verrier S, Homma Y, Rouard H, Lachaniette CHF, Sunil Kumar KH. Prognosis of hip osteonecrosis after cell therapy with a calculator and artificial intelligence: ten year collapse-free survival prediction on three thousand and twenty one hips. *Int Orthop.* 2023;47(7):1689-1705.
2. Homma Y, Zhuang X, Yanagisawa N, Ishii S, Baba T, Ishijima M. Patients With Shorter Stature Exhibit Minimal Hammering Sound Changes During Cementless Stem Insertion in Total Hip Arthroplasty. *Arthroplasty Today.* 2023;21:101136.
3. Tanabe H, Homma Y, Yanagisawa N, Watari T, Ishii S, Shirogane Y, Baba T, Kaneko K, Ishijima M. Validation of a preoperative formula to estimate postoperative pelvic sagittal alignment and mobility before performing total hip arthroplasty for patients with hip osteoarthritis. *Arthroplasty.* 2023;5(1):13
4. Homma Y, Zhuang X, Ohtsu H, Ishii S, Shirogane Y, Hayashi K, Watari T, Baba T, Ishijima M. Highly accurate acoustical prediction using support vector machine algorithm for post-operative subsidence after cementless total hip arthroplasty. *Int Orthop.* 2023;47(1):187-92.
5. Zhuang X, Homma Y, Sato T, Baba T, Morohashi I, Iwase H, Kaneko K, Ishijima M. Factors influence on the broaching hammering sound during cementless total hip arthroplasty. *Journal of Biomedical Science and Engineering.* 2022;15(9):229-40.

6. Zhuang X, Homma Y, Ishii S, Shirogane Y, Tanabe H, Baba T, Kaneko K, Sato T, Ishijima M. Acoustic characteristics of broaching procedure for post-operative stem subsidence in cementless total hip arthroplasty. *International Orthopaedics*. 2022;1-8.
7. Tsuchiya A, Terai S, Horiguchi I, Homma Y, Saito A, Nakamura N, Sato Y, Ochiya T, Kino-Oka M. Basic points to consider regarding the preparation of extracellular vesicles and their clinical applications in Japan. *Regen Ther*. 2022;21:19-24.
8. Tanabe H, Baba T, Ozaki Y, Yanagisawa N, Banno S, Watari T, Homma Y, Nagao M, Kaneko K, Ishijima M. Lateral versus conventional fasciotomy for prevention of lateral femoral cutaneous nerve injury in total hip arthroplasty with direct anterior approach: a study protocol for a dual-center, double-blind, randomized controlled trial. *Trials*. 2022;23(1):567.
9. Shirogane Y, Homma Y, Yanagisawa N, Higano M, Hirasawa Y, Nakamura S, Baba T, Kaneko K, Taneda H, Ishijima M. Relationship between labral length and symptoms in patients with acetabular dysplasia before rotational acetabular osteotomy. *Journal of Hip Preservation Surgery*. 2022.
10. Sano K, Homma Y, Shirogane Y, Ishii S, Ito T, Baba T, Kaneko K, Ishijima M. Acetabular morphological variation in Asian patients with femoral neck fracture: A three-dimensional CT-based study. *Injury*. 2022.
11. Ochi H, Kobayashi H, Baba T, Nakajima R, Kurita Y, Kato S, Sasaki K, Nozawa M, Kim SG, Sakamoto Y, Homma Y, Kaneko K, Ishijima M. Acetabular cartilage abnormalities in elderly patients with femoral neck fractures. *Sicot j*. 2022;8:24.
12. Morisawa F, Nishizaki Y, Devos P, Yanagisawa N, Matsuyama K, Homma Y, Ueda R, Sekine M, Daida H, Minamino T, Sanada S. The association between research funding status and clinical research papers' citation impact in Japan: A cross-sectional bibliometric study. *Front Med (Lausanne)*. 2022;9:978174.
13. Ishii S, Homma Y, Matsukawa T, Baba T, Kaneko K, Ishijima M. Blood cobalt ion level in patients with different sizes of cobalt/chrome femoral head with the Accolade TMZF stem. *Int Orthop*. 2022;46(10):2205-12.
14. Homma Y, Masubuchi Y, Shirogane Y, Amano H, Muramoto Y, Nagao M, Okuno R, Baba T, Yamaji K, Tamura N. Grafting of autologous concentrated bone marrow processed using a point-of-care device for patients with osteonecrosis of the femoral head: A phase 1 feasibility and safety study. *Regenerative Therapy*. 2022;20:18-25.
15. Homma Y, Ito S, Zhuang X, Baba T, Fujibayashi K, Kaneko K, Nishiyama Y, Ishijima M. Artificial intelligence for distinguishment of hammering sound in total hip arthroplasty. *Sci Rep*. 2022;12(1):9826.
16. Ueda R, Nishizaki Y, Homma Y, Devos P, Sanada S. The relationship between contributions of authors and author order. *Journal of General and Family Medicine*. 2021;22(6):361-2.
17. Ochi H, Takagi T, Baba T, Nozawa M, Kim S-G, Sakamoto Y, Kato S, Homma Y, Kaneko K, Ishijima M. Total hip arthroplasty with reconstruction of acetabulum through direct anterior approach for metastatic bone disease of acetabulum combined with pathological proximal femoral neck fracture: A case report. *Trauma Case Reports*. 2021;32:100447.
18. Jinnai Y, Homma Y, Baba T, Zhuang X, Kaneko K, Ishijima M. Use of Dual Mobility Acetabular Component and Anterior Approach in Patients With Displaced Femoral Neck Fracture. *J Arthroplasty*. 2021;36(7):2530-5.
19. Jianda X, Homma Y, Jinnai Y, Baba T, Zhuang X, Watari T, Banno S, Kaneko K. Relationship between

Charlson comorbidity index, early recovery and 2-year mortality in elderly patients undergoing surgical treatment of inter-trochanteric fractures: a retrospective analysis. *Scientific Reports*. 2021;11(1):1-6.

20. Ishii S, Homma Y, Matsukawa T, Baba T, Kubota A, Yokoyama K, Kaneko K, Ishijima M. Horror of three synergistic factors in THA: high mechanical stress, dissimilar metals, low elasticity stem: a case report. *Arthroplasty*. 2021;3(1):1-7.
21. Ishii S, Homma Y, Baba T, Shirogane Y, Kaneko K, Ishijima M. Does increased diameter of metal femoral head associated with highly cross-linked polyethylene augment stress on the femoral stem and cortical hypertrophy? *International Orthopaedics*. 2021;45(5):1169-77.
22. Ishii S, Homma Y, Baba T, Jinnai Y, Zhuang X, Tanabe H, Banno S, Matsumoto M, Watari T, Ozaki Y. Does total hip arthroplasty via the direct anterior approach using dual mobility increase leg length discrepancy compared with single mobility? *Arthroplasty*. 2021;3(1):1-7.
23. Hernigou J, Verdonk P, Homma Y, Verdonk R, Goodman SB, Hernigou P. Nonoperative and Operative Bone and Cartilage Regeneration and Orthopaedic Biologics of the Hip: An Orthoregeneration Network (ON) Foundation Hip Review. *Arthroscopy: The Journal of Arthroscopic & Related Surgery*. 2021.
24. Banno S, Baba T, Tanabe H, Ishii S, Jinnai Y, Homma Y, Watari T, Kaneko K. Valgus osteotomy for atypical interprosthetic femoral fracture with lateral bowing of the femur. *Trauma Case Reports*. 2021;31:100381.
25. Nishizaki Y, Homma Y, Ueda R, Devos P, Sanada S. Differences in author ranking: Development of SIGAPS scoring system for Japanese version. *Journal of General and Family Medicine*. 2020;21(5):208-9.
26. Jinnai Y, Baba T, Zhuang X, Tanabe H, Banno S, Watari T, Homma Y, Kaneko K. Does a fluoro-assisted direct anterior approach for total hip arthroplasty pose an excessive risk of radiation exposure to the surgeon? *SICOT-J*. 2020;6.
27. Homma Y, Morikawa T, Ishii S, Baba T, Kaneko K. Bowing-head sign: rare but detectable in pre-catastrophic hip implant failure. *Archives of Orthopaedic and Trauma Surgery*. 2020;140(12):2085-9.
28. Homma Y, Kawakita S, Baba T, Watari T, Kaneko K. Diagnosis of and Early Revision Surgery for Biological Fixation Failure Due to Proximal-Distal Mismatch of Proximally Coated Tapered Cementless Stem. *Arthroplasty today*. 2020;6(4):914-8.
29. Homma Y, Ishii S, Yanagisawa N, Ochi H, Baba T, Nojiri H, Okuda T, Kaneko K. Pelvic mobility before and after total hip arthroplasty. *International Orthopaedics*. 2020;44(11):2267-74.
30. Banno S, Baba T, Tanabe H, Homma Y, Ochi H, Watari T, Kobayashi H, Kaneko K. Use of traction table did not increase complications in total hip arthroplasty through direct anterior approach performed by novice surgeon. *Journal of Orthopaedic Surgery*. 2020;28(2):2309499020923093.
31. Baba T, Homma Y, Jinnai Y, Tanabe H, Banno S, Watari T, Kaneko K. Posterior versus direct anterior approach in revision hip arthroplasty using Kerboull-type plate. *SICOT-J*. 2020;6.
32. Ueda R, Nishizaki Y, Homma Y, Sanada S, Otsuka T, Yasuno S, Matsuyama K, Yanagisawa N, Nagao M, Fujibayashi K. Importance of quality assessment in clinical research in Japan. *Frontiers in Pharmacology*. 2019:1228.
33. Ochi H, Baba T, Tanabe H, Ozaki Y, Watari T, Homma Y, Matsumoto M, Kaneko K. Autograft-prosthesis composite use for a Vancouver type B1 periprosthetic femur fracture with pelvic acetabular component migration after bipolar hemiarthroplasty: A case report. *Trauma Case Reports*. 2019;22:100213.

34. Kobayashi H, Homma Y, Tanabe H, Watari T, Ochi H, Banno S, Baba T, Kaneko K. Objective evaluation for initial stability of highly porous cup without screws in total hip arthroplasty for femoral neck fracture. *Journal of Orthopaedics*. 2019.
35. Isaka A, Ichihara S, Homma Y, Hirose T, Kajihara H. Patellar Tendon Avulsion with Tibial Tuberosity Sleeve Fragment. *Case Reports in Orthopedics*. 2019;Mar 12;2019:6193498.
36. Isaka A, Ichihara S, Homma Y, Hirose T, Kajihara H. Patellar Tendon Avulsion with Tibial Tuberosity Sleeve Fragment. *Case Reports in Orthopedics*. 2019;2019.
37. Homma Y, Mogami A, Baba T, Naito K, Watari T, Obayashi O, Kaneko K. Is actual surgical experience reflected in virtual reality simulation surgery for a femoral neck fracture? *European Journal of Orthopaedic Surgery & Traumatology*. 2019;29(7):1429-34.
38. Ozaki Y, Baba T, Homma Y, Tanabe H, Ochi H, Bannno S, Watari T, Kaneko K. Preoperative ultrasound to identify distribution of the lateral femoral cutaneous nerve in total hip arthroplasty using the direct anterior approach. *SICOT-J*. 2018;4.
39. Ozaki Y, Baba T, Homma Y, Ochi H, Watari T, Banno S, Matsumoto M, Kaneko K. Posterior versus direct anterior approach in total hip arthroplasty: difference in patient-reported outcomes measured with the Forgotten Joint Score-12. *SICOT-J*. 2018;4.
40. Hernigou P, Thiebaut B, Housset V, Bastard C, Homma Y, Chaib Y, Flouzat Lachaniette CH. Stem cell therapy in bilateral osteonecrosis: computer-assisted surgery versus conventional fluoroscopic technique on the contralateral side. *International Orthopaedics*. 2018;42(7):1593-8.
41. Hernigou P, Guerin G, Homma Y, Dubory A, Chevallier N, Rouard H, Flouzat Lachaniette CH. History of concentrated or expanded mesenchymal stem cells for hip osteonecrosis: is there a target number for osteonecrosis repair? *International Orthopaedics*. 2018;42(7):1739-45.
42. Hernigou P, Dubory A, Homma Y, Guissou I, Flouzat Lachaniette CH, Chevallier N, Rouard H. Cell therapy versus simultaneous contralateral decompression in symptomatic corticosteroid osteonecrosis: a thirty year follow-up prospective randomized study of one hundred and twenty five adult patients. *International Orthopaedics*. 2018;42(7):1639-49.
43. Hernigou P, Dubory A, Homma Y, Flouzat Lachaniette CH, Chevallier N, Rouard H. Single-stage treatment of infected tibial non-unions and osteomyelitis with bone marrow granulocytes precursors protecting bone graft. *International Orthopaedics*. 2018;42(10):2443-50.
44. Baba T, Kaneko K, Homma Y, Ochi H, Ozaki Y, Watari T, Matsumoto M. The Baba classification focused on implant designs is useful in setting the therapeutic strategy for interprosthetic femoral fracture. *European Journal of Orthopaedic Surgery & Traumatology*. 2018;28(2):247-54.
45. Sano K, Homma Y, Baba T, Ando J, Matsumoto M, Kobayashi H, Yuasa T, Kaneko K. Total hip arthroplasty via the direct anterior approach with Kerboul-type acetabular reinforcement device for an elderly female with factor XI deficiency. *SICOT-J*. 2017;3.
46. Ozaki Y, Homma Y, Baba T, Sano K, Desroches A, Kaneko K. Spontaneous healing of lateral femoral cutaneous nerve injury and improved quality of life after total hip arthroplasty via a direct anterior approach: survey at average 12.8 and 26.2 months of follow-up. *Journal of Orthopaedic Surgery*. 2017;25(1):2309499016684750.

47. Ochi H, Homma Y, Baba T, Nojiri H, Matsumoto M, Kaneko K. Sagittal spinopelvic alignment predicts hip function after total hip arthroplasty. *Gait & Posture*. 2017;52:293-300.
48. Ochi H, Baba T, Homma Y, Matsumoto M, Watari T, Ozaki Y, Kobayashi H, Kaneko K. Total hip arthroplasty via the direct anterior approach with a dual mobility cup for displaced femoral neck fracture in patients with a high risk of dislocation. *SICOT-J*. 2017;3.
49. Ochi H, Baba T, Hamanaka T, Ozaki Y, Watari T, Homma Y, Matsumoto M, Kaneko K. Safe and effective reduction technique for intertrochanteric fracture with ipsilateral below-knee amputated limb. *Case Reports in Orthopedics*. 2017;2017.
50. Morohashi I, Iwase H, Kanda A, Sato T, Homma Y, Mogami A, Obayashi O, Kaneko K. Acoustic pattern evaluation during cementless hip arthroplasty surgery may be a new method for predicting complications. *SICOT-J*. 2017;3.
51. Matsumoto M, Baba T, Ochi H, Ozaki Y, Watari T, Homma Y, Kaneko K. Influence of the contralateral hip state after total hip arthroplasty on patient-reported outcomes measured with the Forgotten Joint Score-12. *European Journal of Orthopaedic Surgery & Traumatology*. 2017;27(7):929-36.
52. Matsumoto M, Baba T, Ochi H, Ozaki Y, Watari T, Homma Y, Kaneko K. Kerboull-type plate in a direct anterior approach for severe bone defects at primary total hip arthroplasty. *SICOT-J*. 2017;3.
53. Homma Y, Dubory A, Pariat J, Potage D, Lachaniette CHF, Chevallier N, Rouard H, Hernigou P. The Femoral Head of Patients with Hip Dysplasia is not as Osteogenic as Iliac Crest Bone Location. 2017.
54. Homma Y, Baba T, Ozaki Y, Watari T, Kobayashi H, Ochi H, Matsumoto M, Kaneko K. In total hip arthroplasty via the direct anterior approach, a dual-mobility cup prevents dislocation as effectively in hip fracture as in osteoarthritis. *International orthopaedics*. 2017;41(3):491-7.
55. Homma Y, Baba T, Kobayashi H, Murphy CG, Kaneko K. The importance of the soft tissue stabilizers of the hip: Three cases of rapid onset osteoarthritis following hip arthroscopy. *Journal of Orthopaedic Science*. 2017;22(4):795-801.
56. Hernigou P, Dubory A, Roubineau F, Homma Y, Flouzat-Lachaniette CH, Chevallier N, Rouard H. Allografts supercharged with bone-marrow-derived mesenchymal stem cells possess equivalent osteogenic capacity to that of autograft: a study with long-term follow-ups of human biopsies. *International orthopaedics*. 2017;41(1):127-32.
57. Baba T, Nozawa M, Homma Y, Ochi H, Ozaki Y, Watari T, Matsumoto M, Kaneko K. Long-term results of rotational acetabular osteotomy for osteonecrosis with collapse of the femoral head in young patients. *Archives of Orthopaedic and Trauma Surgery*. 2017;137(7):925-31.
58. Ando J, Masuda A, Iizuka K, Ochiai T, Shingai N, Yasuda H, Homma Y, Kobayashi E, Morishita E, Komatsu N. Factor XI deficiency as a result of a novel Tyr347Stop nonsense mutation in an elderly Japanese woman. *Geriatrics & gerontology international*. 2017;17(6):1029-31.
59. Ozaki Y, Homma Y, Sano K, Baba T, Ochi H, Desroches A, Matsumoto M, Yuasa T, Kaneko K. Small femoral offset is a risk factor for lateral femoral cutaneous nerve injury during total hip arthroplasty using a direct anterior approach. *Orthopaedics & Traumatology: Surgery & Research*. 2016;102(8):1043-7.
60. Ozaki Y, Baba T, Ochi H, Homma Y, Watari T, Matsumoto M, Kaneko K. Total hip arthroplasty for implant

rupture after surgery for atypical subtrochanteric femoral fracture. *Case Reports in Orthopedics*. 2016;2016.

61. Ochi H, Baba T, Homma Y, Matsumoto M, Nojiri H, Kaneko K. Importance of the spinopelvic factors on the pelvic inclination from standing to sitting before total hip arthroplasty. *European Spine Journal*. 2016;25(11):3699-706.
62. Morohashi I, Homma Y, Kanda A, Yamamoto Y, Obata H, Mogami A, Kaneko K. Iliopsoas impingement after revision total hip arthroplasty treated with iliopsoas muscle transection. *Annals of Medicine and Surgery*. 2016;7:30-3.
63. Kobayashi H, Homma Y, Baba T, Ochi H, Matsumoto M, Yuasa T, Kaneko K. Surgeons changing the approach for total hip arthroplasty from posterior to direct anterior with fluoroscopy should consider potential excessive cup anteversion and flexion implantation of the stem in their early experience. *Int Orthop*. 2016;40(9):1813-9.
64. Ishii S, Homma Y, Baba T, Ozaki Y, Matsumoto M, Kaneko K. Does the canal fill ratio and femoral morphology of Asian females influence early radiographic outcomes of total hip arthroplasty with an uncemented proximally coated, tapered-wedge stem? *The Journal of arthroplasty*. 2016;31(7):1524-8.
65. Homma Y, Watari T, Baba T, Suzuki M, Shimizu T, Fujii Y, Takazawa Y, Maruyama Y, Kaneko K. Injury patterns after the landslide disaster in Oshima, Tokyo, Japan on October 16, 2013. *Disaster medicine and public health preparedness*. 2016;10(2):248-52.
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67. Homma Y, Baba T, Sano K, Ochi H, Matsumoto M, Kobayashi H, Yuasa T, Maruyama Y, Kaneko K. Lateral femoral cutaneous nerve injury with the direct anterior approach for total hip arthroplasty. *International orthopaedics*. 2016;40(8):1587-93.
68. Homma Y, Baba T, Ochi H, Ozaki Y, Kobayashi H, Matsumoto M, Yuasa T, Kaneko K. Greater trochanter chip fractures in the direct anterior approach for total hip arthroplasty. *European Journal of Orthopaedic Surgery & Traumatology*. 2016;26(6):605-11.
69. Homma Y, Baba T, Kobayashi H, Desroches A, Ozaki Y, Ochi H, Matsumoto M, Yuasa T, Kaneko K. Safety in early experience with a direct anterior approach using fluoroscopic guidance with manual leg control for primary total hip arthroplasty: a consecutive one hundred and twenty case series. *International orthopaedics*. 2016;40(12):2487-94.
70. Homma Y, Baba T, Kobayashi H, Desroches A, Ochi H, Ozaki Y, Matsumoto M, Yuasa T, Kaneko K. Benefit and risk in short term after total hip arthroplasty by direct anterior approach combined with dual mobility cup. *European Journal of Orthopaedic Surgery & Traumatology*. 2016;26(6):619-24.
71. Futamura K, Baba T, Homma Y, Mogami A, Kanda A, Obayashi O, Sato K, Ueda Y, Kurata Y, Tsuji H. New classification focusing on the relationship between the attachment of the iliofemoral ligament and the course of the fracture line for intertrochanteric fractures. *Injury*. 2016;47(8):1685-91.
72. Baba T, Homma Y, Ochi H, Ozaki Y, Matsumoto M, Shitoto K, Kaneko K. Total hip arthroplasty using a Kerboull-type plate for rapidly destructive coxarthrosis: comparison with uncemented acetabular component. *European Journal of Orthopaedic Surgery & Traumatology*. 2016;26(2):189-94.

73. Saita Y, Ishijima M, Mogami A, Kubota M, Baba T, Kaketa T, Nagao M, Sakamoto Y, Sakai K, Homma Y. The incidence of and risk factors for developing atypical femoral fractures in Japan. *Journal of Bone and Mineral Metabolism*. 2015;33(3):311-8.
74. Matsumoto M, Baba T, Homma Y, Kobayashi H, Ochi H, Yuasa T, Behrend H, Kaneko K. Validation study of the Forgotten Joint Score-12 as a universal patient-reported outcome measure. *European Journal of Orthopaedic Surgery & Traumatology*. 2015;25(7):1141-5.
75. Lebouvier A, Poignard A, Coquelin-Salsac L, Léotot J, Homma Y, Jullien N, Bierling P, Galactéros F, Hernigou P, Chevallier N. Autologous bone marrow stromal cells are promising candidates for cell therapy approaches to treat bone degeneration in sickle cell disease. *Stem Cell Research*. 2015;15(3):584-94.
76. Homma Y, Baba T, Ishii S, Matsumoto M, Kaneko K. Avulsion fracture of the lesser trochanter in a skeletally immature freestyle footballer. *Journal of Pediatric Orthopaedics B*. 2015;24(4):304-7.
77. Homma Y, Baba T, Goto K, Maruyama Y, Kaneko K. Epidermolysis bullosa acquisita of MRSA skin carrier: a case of successful total hip arthroplasty. *Hip International*. 2015;25(3):282-5.
78. Hernigou P, Guissou I, Homma Y, Poignard A, Chevallier N, Rouard H, Flouzat Lachaniette CH. Percutaneous injection of bone marrow mesenchymal stem cells for ankle non-unions decreases complications in patients with diabetes. *International orthopaedics*. 2015;39(8):1639-43.
79. Futamura K, Baba T, Kudo T, Homma Y, Maruyama Y, Shitoto K, Kaneko K. Fixation for the open proximal tibia fracture approached by posteromedian for gastrocnemius flap combined with anterolateral approach. *European Orthopaedics and Traumatology*. 2015;6(2):129-32.
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81. Baba T, Homma Y, Morohashi I, Maruyama Y, Shitoto K, Kaneko K. Is internal fixation using a reversed condylar locking plate useful for treating Vancouver type B1 periprosthetic femoral fractures? *European Orthopaedics and Traumatology*. 2015;6(3):137-43.
82. Baba T, Homma Y, Momomura R, Kobayashi H, Matsumoto M, Futamura K, Mogami A, Kanda A, Morohashi I, Kaneko K. New classification focusing on implant designs useful for setting therapeutic strategy for periprosthetic femoral fractures. *International orthopaedics*. 2015;39(1):1-5.
83. Okubo T, Suehara Y, Kawasaki T, Akaike K, Toda M, Okubo N, Kubota D, Mukaiharu K, Kim Y, Kaketa T, Homma Y, Shimanouchi N, Saito T, Takagi T, Kazuo K. An outpatient-based survey about the recognition of locomotive syndrome and the results of the loco-check at a university hospital in Tokyo. *British Journal of Medicine and Medical Research*. 2014;4(17):3255.
84. Homma Y, Sand T, Hernigou P. The rapid evolution of cellular therapies for the treatment of hip osteonecrosis. *Current Orthopaedic Practice*. 2014;25(2):164-8.
85. Homma Y, Miyahara S, Mogami A, Morohashi I, Baba T, Kaneko K. Percutaneous screw fixation for a femoral head fracture: a case report. *Archives of orthopaedic and trauma surgery*. 2014;134(3):371-4.
86. Homma Y, Kaneko K, Hernigou P. Supercharging allografts with mesenchymal stem cells in the operating room during hip revision. *International orthopaedics*. 2014;38(10):2033-44.



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88. Hernigou P, Pariat J, Queinsec S, Homma Y, Lachaniette CHF, Chevallier N, Rouard H. Supercharging irradiated allografts with mesenchymal stem cells improves acetabular bone grafting in revision arthroplasty. *International orthopaedics*. 2014;38(9):1913-21.
89. Hernigou J, Picard L, Alves A, Silvera J, Homma Y, Hernigou P. Understanding bone safety zones during bone marrow aspiration from the iliac crest: the sector rule. *International orthopaedics*. 2014;38(11):2377-84.
90. Hernigou J, Alves A, Homma Y, Guissou I, Hernigou P. Anatomy of the ilium for bone marrow aspiration: map of sectors and implication for safe trocar placement. *International orthopaedics*. 2014;38(12):2585-90.
91. Baba T, Homma Y, Takazawa N, Kobayashi H, Matsumoto M, Aritomi K, Yuasa T, Kaneko K. Is urinary incontinence the hidden secret complications after total hip arthroplasty? *European Journal of Orthopaedic Surgery & Traumatology*. 2014;24(8):1455-60.
92. Baba T, Futamura K, Aoki K, Homma Y, Shitoto K, Kaneko K. Combination of multi-osteosynthesis devices for femoral trochanteric fracture of gigantism. *European Orthopaedics and Traumatology*. 2014;5(4):367-9.
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