

Tsuyoshi Nakai

Publications

1.

Yamashita K., Fuji T., Nakai T., Hamada H., Kotoh K.: Extradural spinal angioliopoma: Report of a Case studied with MRI. *Surg Neurol* 39, 49-52, 1993

2.

Nakai T., Masuhara K., Sugano N., Ohzono K., Ochi T.: Therapeutic effect of transtrochanteric rotational osteotomy and hip arthroplasty on quality life of patients with osteonecrosis. *Archives of Orthopaedic and Trauma Surgery*, 120: 252-254, 2000

3.

Nakai T., Masuhara K., Nakase T., Sugano N., Ohzono K., Ochi T.: Pathology of femoral head collapse following transtrochanteric rotational osteotomy for osteonecrosis. *Archives of Orthopaedic and Trauma Surgery*, 120: 489-492, 2000

4.

Nakai T., Masuhara K., Nakase T., Sugano N., Ohzono K., Ochi T.: Scintigraphic assessment of rotated femoral head after transtrochanteric rotational osteotomy for osteonecrosis. *Journal of Bone and Joint Surgery (Am)*, 82-A, 1421-1425, 2000

5.

Masuhara K., Lee SB., Nakai T., Sugano N., Ochi T., Sasaguri Y.: Matrix metalloproteinases in patients with osteoarthritis of the hip. *International Orthopaedics* Vol 24, 92-96, 2000

6.

Nakai T., Masuhara, K., Kanbara, N.: Hip arthropathy associated with hemodialysis. Radiological and laboratory evaluation of 56 hemodialysis patients. *Archives of Orthopaedic and Trauma Surgery*, 121: 365-367, 2001

7.

Nakai T., Masuhara, K., Kato K, Kanbara, N.: Longitudinal measurement of bone mineral density at radius in hemodialysis patients using dual-energy X-ray absorptiometry. *Journal of Musculoskeletal and Neuronal Interactions*, 2: 163-165, 2001

8.

Nakai T., Masuhara, K., Kanbara, N.: Bone mineral density decrease is associated with alkaline phosphatase and carboxy-terminal parathyroid hormone in hemodialysis patients. *Dialysis & Transplantation* Vol 31, (11) 788-792, 2002

9.

Masuhara K., Nakai T., Yamaguchi K., Yamasaki S., Sasaguri Y.: Significant increase in serum and plasma concentrations of matrix metalloproteinases 3 and 9 in patients with rapidly destructive osteoarthritis of the hip. *Arthritis & Rheumatism* Vol 46, (10) 2625-2631, 2002

10.

Nakai T., Masuhara K., Yamasaki S., Fuji T., Kanbara N.: Metal-cancellous Lübeck total hip arthroplasty in hemodialysis patients. *J Orthopaedics and Traumatology* Vol 4: 26-29, 2003

11.

Yamaguchi K., Masuhara K., Yamasaki S., Nakai T., Fuji T.: Cyclic therapy with etidronate has a therapeutic effect against local osteoporosis after cementless total hip arthroplasty. *Bone* 33, 144-149, 2003

12.

Yamaguchi K., Masuhara K., Yamasaki S., Nakai T., Fuji T.: Predictive value of a preoperative biochemical bone marker in relation to bone remodeling after cementless total hip arthroplasty. *Journal of Clinical Densitometry* Vol 6, (3) 259-265, 2003

13.

Nakai T., Masuhara K., Yamasaki S., Fuji T., Kanbara N.: Predictors of early mortality following total hip arthroplasty in hemodialysis patients. *Dialysis & Transplantation* Vol 33, (3) 144-149, 2004

14.

Nakai T., Masuhara K., Kanbara N.: Hip arthropathy in long-term hemodialysis patients. *Dialysis & Transplantation* Vol 33, (8) 486-491, 2004

15.

Nakai T., Murao R., Temporin K., Kakiuchi M.: Painful nonunion of fracture of the entire posterior process of the talus: a case report. *Archives of Orthopaedic and Trauma Surgery*, Vol, 125: 721-724 (2005)

16.

Nakai T., Temporin K., Murao R., Kakiuchi M.: Introsseous pressure correlates with postoperative blood loss following cementless total hip arthroplasty, *J Orthopaedics and Traumatology*, Vol 6: 163-166 (2005)

17.

Nakai T., Kanbara N.: Serum crosslinked N-terminal telopeptide of type 1 collagen for evaluation of bone loss in hemodialysis patients using dual-energy X-ray absorptiometry. *Dialysis & Transplantation* Vol 36, (4) 217-220, 2007

18.

Kita T., Maki N., Song YS., Arai F., Nakai T.: Caudal epidural anesthesia administered intraoperatively provides for effective postoperative analgesia after total hip arthroplasty. *Journal of Clinical Anesthesia*, 19, 204-208, 2007

19

Yamasaki S., Masuhara K., Yamaguchi K., Nakai T., Fuji T., Seino Y.: Risedronate reduces postoperative bone resorption after cementless total hip arthroplasty. *Osteoporos Int* Vol 18, 1009-1015, 2007

20

Nakai T., Kakiuchi M.: Minimally invasive anterolateral total hip arthroplasty on a

standard operating table using a two-tined retractor and a double offset broach handle. J. Orthopaedics Vol 6, (3) e10, 2009

21

Nakai T., Nakamura T., Tamaki M., Nakai T., Onishi A., Hashimoto K.: Controlling pain after total knee arthroplasty using a multimodal protocol with local periarticular injections. J. Orthopaedics; 10 (1) e 6,92-94, 2013

22

Nakai T., Nakamura T., Nakai T., Atsunori Onishi., Hashimoto K.: A study of the usefulness of a periarticular multimodal drug cocktail injection for pain management after total hip arthroplasty. J. Orthopaedics; 10 (1) e 6, 5-7, 2013

23

Nakai T., Hashimoto K., Onishi A., Nakai T., Miyama A., Yasuda N.: Analysis of perioperative complications of surgery for proximal femur fracture in elderly patients older than 75 years. Open Journal of Orthopedics; Vol 3. 2, 90-93, 2013

24

Nakai T., Onishi A., Hashimoto K., Nakai T., Miyama A., Yasuda N.: Study on walking ability after surgery for proximal femoral fracture in elderly patients aged 75 years or older. Open Journal of Orthopedics; Vol 3. 2, 94-96, 2013

25

Nakai T., Naxin L., Fudo K., Mohri T., Kakiuchi M.: Early complications of primary total hip arthroplasty in the supine position with a modified Watson-Jones anterolateral approach.

Journal of Orthopaedics, DOI information: 10.1016/j.jor.2014.08.005

26

Liu N., Mohri T., Hayashi J., Orito R., Nakai T., Yoneda Y.

A New Rotator Interval Approach for Antegrade Humeral Nailing: A Technical

Note. Open journal of Orthopaedics, PP. 321-326 DOI: 10.4236/ojo.2014.411049

2014

27

Nakai T., Orito R., Tateiwa D., Tsukazaki H., Iwata H., Ninomiya H.
Bilateral Middle Cerebral Artery Occlusions after Simultaneous Bilateral Total
Knee Arthroplasty.
Recent Advances in Arthroplasty. Vol 1(1):16-20. 2017

28

Nakai T., Orito R., Tateiwa D., Tsukazaki H., Sakata K., Kuroda S., Iwata H
Simultaneous bilateral total knee arthroplasty is the risk of vascular
complications on hemodialysis patients. A case report of Superior Mesenteric
Artery Occlusion
Recent Advances in Arthroplasty. Vol 1(2):29-31. 2017

29

Kawanishi Y., Goto Y., Nakai T. Breakage of volar locking plate system for
distal radius fractures. Acta Orthopaedica Belgica. July 2017

30

Iwata H, Sakata, K, Sogo E, Nanno K, Kuroda S, Nakai T
Total hip arthroplasty via an anterolateral supine approach for obese
patients increases the risk of greater trochanteric fracture
Journal of Orthopaedics 15: 379–383. 2018

31

Nakai T, Iwasaki H, Nishikawa T, Higuchi R, Nakamura S, Nakata S
RT-PCR testing should be performed prior to elective orthopaedic surgery during
the COVID-19 pandemic
J Orthop Sci. 2021 Jan;26(1):179-181. doi: 10.1016/j.jos.2020.10.009. Epub
2020 Nov 6.

32

Nakai T, Iwasaki H, Nishikawa T, Higuchi R, Sakata K, Matsuoka H, Iwata
H, Sogo E, Nanno K, Nakamura S, Kuroda S, Hayashi J, Nakata S, Challenges
and responses of elective orthopaedic surgery during the second wave of
COVID-19, Journal of Orthopaedic Science,
<https://doi.org/10.1016/j.jos.2021.02.017>

Kanamoto, T., Hikida, M., Sato, S., Oyama S, Tachi Y, Kuroda S, Mazuka T, Ebina K, Nakai T, Nakata K Integrin $\alpha 2\beta 1$ plays an important role in the interaction between human articular cartilage-derived chondrocytes and atelocollagen gel. *Sci Rep* **11**, 1757 (2021).
<https://doi.org/10.1038/s41598-021-81378-2>