

# Hisao Moritomo

**Full Name (First Name, Last Name):** Hisao Moritomo, MD, PhD.

**Present Position:** Professor, Department of Physical Therapy, Osaka Yukioka college of Health Science,  
Orthopaedic Surgeon, Yukioka Hospital Hand Center

## **Academic or Medical Associations Position:**

Japanese Society for Surgery of the Hand, Member (current)  
American Society for Surgery of the Hand, International Member (current)  
Central Japan Society for Surgery of the Hand, Chairman (2022)  
International Federation of Society for Surgery of the Hand (IFSSH), Chairman of Wrist Biomechanics Committee (2005-2011), Chairman of Wrist Instability Committee (2012-2015)  
Japanese Wrist Investigator Workshop, Chairman (2014)

## **Educational background & professional experience (in sequence of the latest year)**

2012- present	Professor, Department of Physical Therapy, Osaka Yukioka college of Health Science
2012-2022	Guest Professor, The center for Advanced Medical Engineering and Informatics, Osaka University
2008-2012	Associate professor, Orthopaedic Surgery, Osaka University
2000-2005	Assistant professor, Orthopaedic Surgery, Osaka University Graduate School of Medicine

## **Research Interests**

Dr. Moritomo's research has focused predominantly on anatomical and biomechanical analyses of bone and soft tissue kinematics and reconstruction of the wrist.

## **Publications**

### Paper

1. Proximal Horizontal Flap Tears of TFCC Diagnosed by Computed Tomography Arthrography: Six Case Series.  
Arimitsu S, Masatomi T, Shigi A, Yukioka C, Moritomo H.  
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2. Biomechanical effects of radioscapolunate fusion with distal scaphoidectomy and triquetrum excision on dart-throwing and wrist circumduction motions.  
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3. Lunate fracture healing after partial capitate shortening in Kienböck disease.  
Arimitsu S, Shimada K, Moritomo H.  
J Orthop Sci. 2020 May;25(3):428-434.
4. Scaphoid motion of the wrist with scapho-trapezio-trapezoidal osteoarthritis.  
Iida A, Omokawa S, Moritomo H, Wollstein R.  
Curr Rheumatol Rev. 2020;16(3):206-209.
5. Intra-articular corrective osteotomy for intra-articular malunion of distal radius fracture using three-dimensional surgical computer simulation and patient-matched instrument.  
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6. Effect of soft tissue injury and ulnar angulation on radial head instability in a Bado type I Monteggia fracture model.  
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7. Distal ulnar metaphyseal wedge osteotomy for ulnar abutment syndrome  
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8. Tenodesis of the Ulnotriquetrum Ligament to the Fovea for a Triangular Fibrocartilage Complex Tear.  
Moritomo H, Arimitsu S.  
Tech Hand Up Extrem Surg. 2018 Dec;22(4):141-145.
9. Tether Creation Between the Second and Third Extensor Digitorum Communis for Third Extensor Tendon Subluxation at the Metacarpophalangeal Joint.  
Shiode R, Moritomo H  
Tech Hand Up Extrem Surg. 2018 Dec;22(4):146-149.
10. Three-Dimensional Kinematic Analysis of the Distal Radioulnar Joint in the Axial-Loaded Extended Wrist Position.  
Hojo J, Omokawa S, Iida A, Ono H, Moritomo H, Tanaka Y.  
J Hand Surg Am. 2019 Apr;44(4):336.e1-336.e6.
11. Three-dimensional kinematics of the lunate, hamate, capitate and triquetrum with type 1 or 2 lunate morphology.  
Abe S, Moritomo H, Oka K, Sugamoto K, Kasubuchi K, Murase T, Yoshikawa H.  
J Hand Surg Eur Vol. 2018 May;43(4):380-386
12. Current Management of Scaphoid Nonunion Based on the Biomechanical Study.

- Oka K, Moritomo H.  
J Wrist Surg. 2018 Apr;7(2):94-100. doi: 10.1055/s-0038-1637739. Epub 2018 Mar 14.
13. Biomechanical study of isolated radial head dislocation.  
Hayami N, Omokawa S, Iida A, Kraissarin J, Moritomo H, Mahakkanukrauh P, Shimizu T, Kawamura K, Tanaka Y. BMC Musculoskelet Disord. 2017 Nov 21;18(1):470.
  14. Treatment of Intra-articular Distal Radius Fractures.  
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  15. Impact of Distal Ulnar Fracture Malunion on Distal Radioulnar Joint Instability: A Biomechanical Study of the Distal Interosseous Membrane Using a Cadaver Model.  
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24. Die Funktion des distalen Anteils der Membrana interossea und ihre Bedeutung für die Stabilität des distalen Radioulnargelenks: ein anatomischer und biomechanischer Überblick. (The function of the distal interosseous membrane and its relevance to the stability of the distal radioulnar joint )  
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  25. Open repair of the triangular fibrocartilage complex from palmar aspect.  
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J Wrist Surg. 2015 Feb;4(1):2-8.
  26. Computed tomography arthrography using a radial plane view for the detection of triangular fibrocartilage complex foveal tears  
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  27. In vivo three-dimensional analysis of stage III Kienböck's disease: pattern of carpal deformity and radioscaphoid joint congruity.  
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  41. Preoperative, computer simulation-based, three-dimensional corrective osteotomy for cubitus varus deformity with use of a custom-designed surgical device.  
Takeyasu Y, Oka K, Miyake J, Kataoka T, Moritomo H, Murase T.  
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J Hand Surg Am. 2013 Oct;38(10):1925-32
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Omori S, Moritomo H, Omokawa S, Murase T, Sugamoto K, Yoshikawa H.  
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