

Hui-Kuang Huang (黃惠鏞), M.D.



Current Position

1. Associate Professor
2. Chief, Division of Hand Surgery, Department of Orthopedics, Ditmanson Medical Foundation Chiayi Christian Hospital, Taiwan (2022–present)
3. Contract Attending Surgeon, Orthopedics Department, Taipei Veterans Hospital, Taiwan (2012–present)

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Educational Background

Taipei Medical University, Taiwan (1997–2004) (M.D.)

Professional Society Memberships

Member, Taiwan Orthopedic Association (2011–present)
Member, Taiwan Society for Surgery of the Hand (2012–present)
Council Member, Taiwan Society for Surgery of the Hand (2016–present)
Member, American Society for Surgery of the Hand (2019–present)

Editorial Appointments

Associate Editor, Journal of Hand Surgery (Asian-Pacific Volume) (2025–present)
Editorial Board Member, BMC Musculoskeletal Disorders (2024–present)

Honors and Awards

National Healthcare Quality Award (SNQ), Distal Radius Fracture Program (2020–2021)

Professional Training

1. Orthopedics Surgery, Taipei Veterans General Hospital, Taiwan (2006–2011) (Residency and Fellowship)
2. Clinical Fellow of Wrist Arthroscopy Surgery, Taoyuan Armed Forces General Hospital, Taiwan (2011)
3. Clinical Fellow of Congenital Hand and Brachial Plexus Injury Surgery, Beijing Jishuitan Hospital, China (2012)
4. Clinical Fellow of Brachial Plexus Injury and Microsurgery, E-Da Hospital, Taiwan (2014, 2020)

Dr. Huang is Chief of the Division of Hand Surgery at Ditmanson Medical Foundation Chiayi Christian Hospital, Taiwan. His clinical and research interests focus on brachial plexus reconstruction, peripheral nerve surgery, wrist arthroscopy, and reconstructive hand surgery. He has authored more than 60 peer-reviewed publications and serves as Associate Editor of the Journal of Hand Surgery (Asian-Pacific Volume).

Peer-Reviewed Publications

1. **Huang HK**, Su YP, Chen CM, Chiu FY, Liu CL; Displaced femoral neck fractures in young adults treated with closed reduction and internal fixation. *Orthopedics*. 2010 Dec 1;33(12):873.
2. **Huang HK**, Chiang CC, Hung SH, Su YP, Chiu FY, Liu CL, Chen TH; The role of autologous bone graft in surgical treatment of hypertrophic nonunion of midshaft clavicle fractures. *J Chin Med Assoc*. 2012 May;75(5):216-220.
3. Ma HL, **Huang HK***, Chiang ER, Wang ST, Hung SC, Liu CL; Arthroscopic pancapsular plication for multidirectional shoulder instability in overhead athletes. *Orthopedics*. 2012 Apr;35(4):e497-502.
4. **Huang HK**, Chiang CC, Su YP, Feng CK, Chiu FY, Liu CL, Chen TH; Role of autologous bone graft in the surgical treatment of atrophic nonunion of midshaft clavicular fractures. *Orthopedics*. 2012 Feb 17;35(2):e197-201.
5. **Huang HK**, Chen CF, Chiang CC, Huang CK, Chen WM, Liu CL. Accelerated patellofemoral joint erosion: a complication of isolated resurfacing of an arthritic patella with a polyethylene component. *Formos J Musculoskelet Disord*. 2013;4(4):119-123.
6. Wu CY, **Huang HK**, Wu PK, Chen WM, Lai MC, Chung LH. Acremonium species combined with Penicillium species infection in hip hemiarthroplasty: a case report and literature review. *Hip Int*. 2014 Dec 5; 24(6): 656-659.
7. **Huang HK**, Wang JP, Wang ST, Liu YA, Huang YC, Liu CL. Outcomes and complications after percutaneous release for trigger digits in diabetic and non-diabetic patients. *J Hand Surg. Eur Vol*. 2015 Sep;40(7):735-739.
8. **Huang HK**, Wang JP, Wang ST, Huang YC, Liu CL. Freehand technique with the predrilled hole method for ulnar-shortening osteotomy. *J Chin Med Assoc*. 2016 Feb;79(2):77-82.
9. **Huang HK**, Wang JP, Wang ST, Huang YC, Liu CL. The pre-drilled hole method in the freehand technique for ulnar shortening osteotomy: a case series study. *Acta Orthop Belg*. 2016;82(3):656-662.
10. **Huang HK**, Wang JP, Lin CJ, Huang YC, Huang TF, Chang MC. Short-term Versus Long-term Outcomes After Open or Percutaneous Release for Trigger Thumb. *Orthopedics*. 2016 Oct 25:1-5.
11. **Huang HK**, Dai YC, Wang BS, Chang MC, Liu CL. Giant cell tumor of the metacarpal treated by marginal resection, fibular graft and silicone metacarpophalangeal joint implant arthroplasty: a case report. *Formos J Musculoskelet Disord*. 2016;7(4):219-224.
12. Lin CJ, **Huang HK**, Wang ST, Huang YC, Liu CL, Wang JP. Open versus percutaneous release for trigger digits: Reversal between short-term and long-term outcomes. *J Chin Med Assoc*. 2016 Jun;79(6):340-4.
13. **Huang HK**, Lien FC, Chih WH. A method of avoiding skin irritation from outside-in suture knots in wrist scope surgery. *J Arthrosc Joint Surg*. 2017;4(1):36-37.
14. **Huang HK**, Wang JP, Chang MC. Repair of Pronator Quadratus With Partial Muscle Split and Distal Transfer for Volar Plating of Distal Radius Fractures. *J Hand Surg Am*. 2017 Nov;42(11):935.e1-935.e5.
15. **Huang HK**, Huang YC, Wang JP, Chang MC. A Sandwich Method Using Kapandji Intrafocal Pinning to Facilitate Palmar Plating of Displaced Distal Radius Fractures. *Tech Hand Up Extrem Surg*. 2017 Sep;21(3):121-126.

16. Wang PH, **Huang HK**, Wang JP, Liu YA, Huang YC, Chang MC. Recurrence rate of the Paine retinaculotome carpal tunnel release in diabetic and non-diabetic patients at long-term follow-up. *J Chin Med Assoc.* 2017 Oct;80(10):669-672.
17. **Huang HK**, Wang JP. A Method to Facilitate “Nonsticking” of Regular Bipolar Forceps. *J Hand Microsurg.* 2017 Aug;9(2):113-114.
18. **Huang HK**, Wang JP, Huang YC. A simple method for wrist ganglion staining with diluted surgical marking pen ink in arthroscopic resection and avoiding dye leakage-related subcutaneous discoloration. *J Arthrosc Joint Surg.* 2018 Jan-Apr;5(1):61-63.
19. Wang JP, **Huang HK**, Fufa D. Radial Distraction to Stabilize Distal Radioulnar Joint in Distal Radius Fixation. *J Hand Surg Am.* 2018 May;43(5):493.e1-493.e4.
20. Hsiung W, **Huang HK**, Wang JP. Percutaneous capsulotomy for treatment of digital mucous cysts. *J Hand Surg Eur Vol.* 2019 Mar;44(3):321-323.
21. Chen KJ, **Huang HK**, Wang JP. Double antegrade intramedullary pinning for proximal phalangeal neck fractures in children. *J Hand Surg Eur Vol.* 2019 Mar;44(3):323-325.
22. **Huang HK**, Wu CH, Tu YK. Extensor carpi radialis longus tendon for extensor retinaculum reconstruction in dorsal plating of the wrist. *J Hand Surg Eur Vol.* 2019 Jun;44(5):542-543.
23. **Huang HK**, Tsai TY, Wang JP. Reduction and Association of the Lunotriquetral Ligament for Reverse Perilunate Dislocation. *J Wrist Surg.* 2019 Dec;8(6):508-512.
24. Tsai TC, Chen CC, **Huang HK***, Wang JP. Modified Sauve-Kapandji Procedure Using Iliac Bone Graft for Giant Cell Tumor of the Distal Ulna: Stabilizing With Two-Screw Fixation: A Case Report. *JBJS Case Connect.* 2019 Apr-Jun;9(2):e0299.
25. **Huang HK**, Wu CH, Wang JP, Tu YK. Combined Pedicled Vascularized and Wedge Nonvascularized Bone Graft for Treating Scaphoid Waist Nonunion With Humpback Deformity. *Tech Hand Up Extrem Surg.* 2019 Dec;23(4):155-159.
26. **Huang HK**, Hsu SH, Hsieh FC, Chang KH, Chu HL, Wang JP. Extra-articular Corrective Osteotomy With Bone Grafting to Achieve Lengthening and Regain Alignment for Distal Radius Fracture Malunion. *Tech Hand Up Extrem Surg.* 2019 Dec;23(4):186-190.
27. Huang YC, **Huang HK**, Liu YA, Wang JP, Chang MC. Long-term results of modified ligament reconstruction and tendon interposition for thumb basal joint arthritis. *J Chin Med Assoc.* 2019 Aug;82(8):655-658.
28. Yang TC, Fufa D, **Huang HK**, Huang YC, Chang MC, Wang JP. Percutaneous A1 Pulley Release Combined with Finger Splint for Trigger Finger with Proximal Interphalangeal Joint Flexion Contracture. *J Hand Surg Asian Pac Vol.* 2019 Sep;24(3):270-275.
29. Yin CY, **Huang HK**, Wang JP. Antegrade intramedullary pinning and stepwise tenolysis for malunion of the proximal phalanx with flexor tendon adhesion. *J Hand Surg Eur Vol.* 2019 Dec;44(10):1091-1092.
30. Yin CY, **Huang HK**, Wang JP. Callus release and dynamic external fixation for delayed presentation of proximal interphalangeal joint fracture-dislocations. *J Hand Surg Eur Vol.* 2020;45(2):195-197.
31. **Huang HK**, Wang JP, Tu YK. A modified "interrupted" method with resting of the suture needle on the vessel wall for microvascular anastomosis. *Microsurgery.* 2020;40(1):89-90. **Honored as “Cover Image”**

32. Chen KJ, Wang JP, Yin CY, **Huang HK**, Chang MC, Huang YC. Fixation of fifth metacarpal neck fractures: a comparison of medial locking plates with intramedullary K-wires. *J Hand Surg Eur Vol.* 2020;45(6):567-573.
33. Wang JP, **Huang HK**, Tu YK. Double fascicular nerve transfer for deltoid and triceps paralysis in a posterior cord lesion of the brachial plexus: a case report. *J Hand Surg Eur Vol.* 2020 Oct;45(8):876-878.
34. Hsiung W, **Huang HK**, Chen TM, Chang MC, Wang JP. The outcome of minimally invasive surgery for digital mucous cyst: a 2-year follow-up of percutaneous capsulotomy. *J Dermatolog Treat.* 2020 Jun 1:1-7.
35. **Huang HK**, Huang YC, Wang JP. Arthroscopic bone grafting and scapholunate fixation in the management of proximal scaphoid nonunion after plate fixation: a case report. *J Hand Surg Eur Vol.* 2020;45(6):647-649.
36. Yao SH, Wang JP, **Huang HK***. Vascularized bone graft and scapholunate fixation for proximal scaphoid nonunion: a case report. *Case Reports Plast Surg Hand Surg.* 2020 Jul 13;7(1):83-87.
37. Hsiung W, **Huang HK**, Wang JP, Chang MC, Huang YC. Arthroscopic realignment and osteosynthesis of unstable scaphoid nonunion with cancellous bone graft from the ipsilateral radius. *Int Orthop.* 2021 Jan;45(1):191-197.
38. Wang JP, **Huang HK**, Shih JT. Arthroscopic-assisted reduction, bone grafting and screw fixation across the scapholunate joint for proximal pole scaphoid nonunion. *BMC Musculoskelet Disord.* 2020 Dec 10;21(1):834.
39. **Huang HK**, Lee SK, Huang YC, Yin CY, Chang MC, Wang JP. Long-term radiographic outcomes and functional evaluation of ulnar shortening osteotomy in patients with ulnar impaction syndrome and reverse oblique sigmoid notch: a retrospective case series study. *BMC Musculoskelet Disord.* 2021 Feb 3;22(1):136.
40. Wang JP, Liao YT, Wu SH, **Huang HK**, Chou PH, Chiang ER. Adipose Derived Mesenchymal Stem Cells from a Hypoxic Culture Reduce Cartilage Damage. *Stem Cell Rev Rep.* 2021 Oct;17(5):1796-1809.
41. Wu SH, Liao YT, Hsueh KK, **Huang HK**, Chen TM, Chiang ER, Hsu SH, Tseng TC, Wang JP. Adipose-Derived Mesenchymal Stem Cells From a Hypoxic Culture Improve Neuronal Differentiation and Nerve Repair. *Front Cell Dev Biol.* 2021 Apr 30;9:658099.
42. Hems T, Wang JP, **Huang HK**, Tu YK. Re: Wang J-P, Huang H-K, Tu Y-K. Double fascicular nerve transfer for deltoid and triceps paralysis in a posterior cord lesion of the brachial plexus: a case report. *J Hand Surg Eur.* 2021 Jun;46(5):564-565.
43. Lo IN, Yin CY, Yu JH, **Huang HK**, Huang YC, Wang JP. Tendon repair with intercalated partial extensor carpi radialis longus tendon graft for chronic extensor pollicis longus tendon rupture. *J Chin Med Assoc.* 2021 Jul 1;84(7):728-732.
44. Huang CW, Yin CY, **Huang HK**, Chen TM, Yang CY, Huang YC, Chang MC, Wang JP. Influential factors of surgical decompression for ulnar nerve neuropathy in Guyon's canal. *J Chin Med Assoc.* 2021 Sep 1;84(9):885-889.
45. Chen KJ, Wang JP, **Huang HK**, Huang YC. An investigation of dynamic ulnar impingement after the Darrach procedure with ultrasonography. *J Plast Surg Hand Surg.* 2022 Oct;56(5):277-284.

46. Lu CC, **Huang HK**, Wang JP. Direct end-to-end neurorrhaphy for wrist-level long nerve defect with fixation of the wrist in flexion: technique note. *J Wrist Surg*. 2022;11(4):362-366.
47. Ma HH, Chen YC, **Huang HK**, Huang YC, Chang MC, Wang JP. Comparing radial lengthening osteotomy with ulnar shortening osteotomy to treat ulnar impaction syndrome after distal radius fracture malunion. *Arch Orthop Trauma Surg*. 2022 Mar;142(3):525-531.
48. Hung WC, Wang JP, Huang YC, Yin CY, Wu CY, **Huang HK***. Arthroscopic-assisted radiocarpal ligaments tensioning for dynamic radiocarpal instability. *BMC Musculoskelet Disord*. 2022 Feb 17;23(1):158.
49. Ma HH, **Huang HK**, Yin CY, Huang YC, Chang MC, Wang JP. Radial distraction may reduce the incidence of ulnar-sided wrist pain in ulna-plus morphology intraoperatively following distal radius fractures fixation. *BMC Musculoskelet Disord*. 2022 Jun 15;23(1):580.
50. Yin CY, **Huang HK**, Fufa D, Wang JP. Radius distraction during volar plating of distal radius fractures may improve distal radioulnar joint stability at minimum 3-year follow-up: a retrospective case series study. *BMC Musculoskelet Disord*. 2022 Feb 24;23(1):181.
51. **Huang HK**, Wu CH, Huang YC, Yin CY, Hung WC, Wang JP. Lateral Approach for Scaphoid Excision and Capitulate Arthrodesis in the Treatment of Scapholunate Advanced Collapse and Scaphoid Nonunion Advanced Collapse Wrists: A Case Series. *Orthop Surg*. 2023 Jan;15(1):347-354.
52. **Huang HK**, Huang YC, Hung WC, Yin CY, Lo IN, Wang JP. Outcomes of Percutaneous Pinning for Interfragmentary Fixation in Treating Bennett Fractures With Tiny Avulsion Fragments. *Orthopedics*. 2023 Mar-Apr;46(2):103-107.
53. Li YW, Ma CH, **Huang HK**, Lin KJ, Wu CH, Tu YK. Use of Silicone Tubes as Antiadhesion Devices in a Modified Two-Stage Flexor Tendon Reconstruction in Zone II: A Retrospective Study. *J Hand Surg Am*. 2023 May;48(5):444-451.
54. Kuo HM, **Huang HK**, Yin CY, Huang YC, Wang JP. Innovative Approach to Unicondylar Proximal Phalangeal Fracture Fixation: Combining Antegrade Intramedullary Pinning With Flexion Proximal Interphalangeal Joint Transfixation. *Tech Hand Up Extrem Surg*. 2023 Dec 1;27(4):249-252.
55. **Huang HK**, Wu CH, Huang YC, Yin CY, Huang SL, Wang JP. Dual Parallel Intramedullary K-Wires for Arthrodesis of the Finger Distal or Thumb Interphalangeal Joints. *Orthop Surg*. 2023 Nov;15(11):2966-2973.
56. Lee KH, **Huang HK**, Wang JP. A Modified Approach for Arthroscopic Excision of Dorsal Midcarpal Ganglion Cysts Using Radiocarpal Portals. *Tech Hand Up Extrem Surg*. 2024 Mar 1;28(1):12-15.
57. **Huang HK**, Hsueh KK, Liao YT, Wu SH, Chou PH, Yeh SH, Wang JP. Multilineage differentiation potential in the infant adipose- and umbilical cord-derived mesenchymal stem cells. *J Chin Med Assoc*. 2023 Dec 1;86(12):1083-1095.
58. Lo IN, Yin CY, **Huang HK**, Huang YC, Wang JP. Outcomes of radiocarpal pinning to facilitate nerve repair in wrist-level ulnar nerve injuries with defect. *J Chin Med Assoc*. 2023 Nov 1;86(11):981-984.
59. Lo IN, Chen KJ, Yin CY, **Huang HK**, Wang JP, Huang YC. Comparing the Outcomes of Suture Anchor Repair and Rein-Type Capsular Suture for Triangular Fibrocartilage Complex Foveal Tears With a Minimum 2-Year Follow-Up. *J Hand Surg Am*. 2024 Apr;49(4):321-328.
60. **Huang HK**, Wu CH, Wang JP. Isolated post-traumatic osteoarthritis of the middle carpometacarpal joint: a report of two cases. *J Hand Surg Eur Vol*. 2024 Oct;49(9):1163-1164.

61. Huang SY, **Huang HK***, Wu CH, Chang CH, Huang YC, Wang JP. Ulnar carpal translation following palmar locking plate fixation for distal radius fractures: a retrospective analysis. *J Orthop Surg Res*. 2024 Apr 4;19(1):223.
62. Chen KL, Yin CY, **Huang HK**, Huang YC, Wang JP. Enabling the design of surgical instruments for under-resourced patients through metal additive manufacturing: ulnar shortening osteotomy as an example. *3D Print Med*. 2024 May 31;10(1):18.
63. Chang CH, Wang JP, Huang YC, Yin CY, Chen KH, **Huang HK***. Excision of large median and ulnar nerve schwannomas: a case series. *BMC Surg*. 2024 Oct 3;24(1):284
64. Chang CH, Wu CH, Wang JP, **Huang HK***. Arthroscopic Thermal Capsular Shrinkage with Open Dorsal Radiocarpal Ligament Tensioning for Palmar Midcarpal Instability: Surgical Technique and Preliminary Outcomes. *J Hand Surg Asian Pac Vol*. 2025 Jun;30(3):287-292.
65. **Huang HK**. Letter regarding "Modified double fascicular nerve transfer to restore elbow flexion in brachial plexus injuries - A series of 32 cases". *J Hand Microsurg*. 2025 Jul 23;17(5):100328.
66. **Huang HK**, Wu CH, Wang JP. Distal Radioulnar Joint Instability in Distal Radius Fracture. *J Hand Surg Asian Pac Vol*. 2025 Dec;30(6):571-581.
67. Chang CH, Wu CH, **Huang HK***. Retrograde intramedullary K-wire fixation of trapezoid dislocation: a case report. *Case Reports Plast Surg Hand Surg*. 2025 Nov 23;12(1):2594249.
68. Lee KH, **Huang HK**, Ma HH, Huang YC, Wang JP. Arthroscopic resection of dorsal wrist ganglions with or without midcarpal exploration. *J Hand Surg Eur Vol*. 2026 May;51(5):581-588.
69. **Huang HK**, Chang CH, Wu CH, Chang HC, Huang YC, Wang JP. Intramedullary Strut Bone Peg Technique for Revision of Metacarpal and Phalangeal Nonunion After Failed Plate Fixation. *Tech Hand Up Extrem Surg*. 2026 Apr 21.