

Utku Gürhan, MD

Assistant Professor of Orthopaedics and Traumatology

University of Kyrenia, Faculty of Medicine · Dr. Suat Günsel University of Kyrenia Hospital · Kyrenia, North Cyprus

Utku.gurhan@kyrenia.edu.tr | ORCID 0000-0002-4721-8854 | utkugurhan.com

22 peer-reviewed articles

9 in SCIE journals

2 books (editor)

18 manuscript reviews

93 citations

5 h-index

Citations and h-index: Google Scholar, August 2026.

PROFILE

Orthopaedic and hand surgeon at the University of Kyrenia. Clinical focus on hand surgery and microsurgery — replantation, nerve and tendon reconstruction, fingertip and soft-tissue coverage — alongside general orthopaedic trauma. Research spans upper-extremity trauma outcomes, large language models in orthopaedic practice and education, bibliometrics and infodemiology, and population-level musculoskeletal epidemiology. Board-certified by the Turkish Board of Orthopaedics and Traumatology (TOTEK).

APPOINTMENTS

2023 –	Assistant Professor , Department of Orthopaedics and Traumatology, University of Kyrenia Faculty of Medicine
2021 –	Attending Orthopaedic Surgeon , Dr. Suat Günsel University of Kyrenia Hospital, North Cyprus
2020 – 2021	Consultant Orthopaedic Surgeon (compulsory state service), Silopi State Hospital, Şırnak, Türkiye
2014 – 2020	Resident in Orthopaedics and Traumatology , Ankara Numune Training and Research Hospital → Ankara City Hospital, University of Health Sciences
2013 – 2014	General Practitioner , Emergency Department, Gaziantep Children's Hospital

EDUCATION & QUALIFICATIONS

2020	Specialist in Orthopaedics and Traumatology — University of Health Sciences, Ankara City Hospital Thesis: Effects of the lateral deltoid-split approach on axillary nerve function and deltoid muscle volume in the surgical treatment of proximal humerus fractures (published: J Orthop 2022)
2013	MD — Ankara University Faculty of Medicine
2021	TOTEK Board Certification — Turkish Board of Orthopaedics and Traumatology (TOTBİD-TOTEK)
2018	English — YÖKDİL 95/100
2009 – 2012	Sociology (BA, not completed) — Anadolu University Open Education Faculty 5 semesters completed; Honour Certificate 2009–2010

RESEARCH INTERESTS

Hand surgery and microsurgery (replantation, composite grafting, digital nerve and flexor tendon repair) · Upper-extremity trauma · Artificial intelligence and large language models in orthopaedics · Bibliometrics and infodemiology · Musculoskeletal epidemiology · Orthopaedic education

PUBLICATIONS

Articles in SCI-Expanded journals (9)

- Kahve Y, Aydın T, **Gürhan U**, Ceyhan E, Öken ÖF. Public information-seeking about orthopedic surgical robotics: a decade-scale infodemiological analysis and forecast through 2030. *J Robot Surg*. 2026;20(1):1035. doi:10.1007/s11701-026-04005-0
- Kahve Y, Aydın T, **Gürhan U**. A bibliometric analysis of pediatric fracture research published in journals indexed in the ULAKBİM TR Index. *Acta Orthop Traumatol Turc*. 2026;60(5). doi:10.5152/j.aott.2026.25680
- Gürhan U**, Kahve Y, Sarı E, Umur FL. Composite graft survival in Allen zone II fingertip amputations: independent predictors of graft failure. *Injury*. 2026;57(10):113587. doi:10.1016/j.injury.2026.113587
- Kahve Y, **Gürhan U**, Ünal KO, Yavuz İA, Intizam M, Akıncı M. Four-corner arthrodesis in SNAC wrist: biomechanical and functional comparison of two fixation techniques. *Arch Orthop Trauma Surg*. 2025;145(1):387. doi:10.1007/s00402-025-05999-2

5. **Gürhan U**, Kahve Y, Yavuz İA, Varol A, Erler K. Does electrocauterization of the matrix after the wedge resection of the toe-nail affect recurrence in discrete age groups differently? A retrospective analysis. *J Foot Ankle Surg.* 2023;62(2):291-294. doi:10.1053/j.jfas.2022.08.002
6. **Gürhan U**, Kahve Y, Evran M, Bingöl O, Yaşar NE, Erler K. The self-assessment of newly graduated orthopedic surgeons on essential surgical procedures. *Acta Orthop Traumatol Turc.* 2022;56(3):217-221. doi:10.5152/j.aott.2022.22023
7. Ceyhan E, İnci F, Yavuz İA, **Gürhan U**, Yıldırım AÖ, Öken ÖF. Effects of morphological changes in the patellar tendon on the development of anterior knee pain after intramedullary nailing for tibial shaft fractures: a retrospective comparative study. *Acta Orthop Traumatol Turc.* 2020;54(6):634-638. doi:10.5152/j.aott.2020.20232
8. Yavuz İA, Öken ÖF, Yıldırım AÖ, İnci F, Ceyhan E, **Gürhan U**. No effect of vancomycin powder to prevent infection in primary total knee arthroplasty: a retrospective review of 976 cases. *Knee Surg Sports Traumatol Arthrosc.* 2020;28(9):3055-3060. doi:10.1007/s00167-019-05778-8
9. Gülçek M, İnci F, Ceyhan E, **Gürhan U**, Kahve Y, Uçaner A. Rate of conversion of reports presented at the Turkish Society of Sports Traumatology, Arthroscopy and Knee Surgery Congress into publication. *Acta Orthop Traumatol Turc.* 2018;52(6):447-451. doi:10.1016/j.aott.2018.08.002

Articles in other international indexes (ESCI / Scopus) (4)

10. Ünal H, Yiğit N, **Gürhan U**, Aydın T, Ceyhan E. Double-button fixation provides superior horizontal stability in acute acromioclavicular joint reconstruction: a comparative radiologic analysis. *J Clin Orthop Trauma.* 2026;77:103427. doi:10.1016/j.jcot.2026.103427
11. Yavuz İA, **Gürhan U**, Ceyhan E, İnci F, Öken ÖF, Yıldırım AÖ, Özkale Yavuz Ö. Influence of direct radiography in decision making during orthopaedic trauma surgery: a prospective study. *J Orthop.* 2022;34:368-372. doi:10.1016/j.jor.2022.10.002
12. **Gürhan U**, Yıldırım AÖ, Yavuz İA, Gül Yurdakul F, Civgin E, Erler K, Ceyhan E, Sivas F. Is there any clinical significance of axillary nerve electrophysiological changes in the deltoid split approach? *J Orthop.* 2022;33:81-86. doi:10.1016/j.jor.2022.07.005
13. Yavuz İA, Gök O, **Gürhan U**, Öken F. Leg length measurement with smartphone application during surgery: useful, easy and reliable method. *Eskisehir Med J.* 2022;3(2):205-211. doi:10.48176/esmj.2022.72

Articles in national indexes (TR Dizin) (7)

14. Yıldız Ş, Kırdı E, **Gürhan U**, İnci F, Topuz S, Bek N, Ceyhan E. Kalkaneus kırıklarında iki farklı cerrahinin ayak fonksiyonu, ağrı, denge ve yürüyüş özelliklerine etkisi. *Balıkesir Sağlık Bilimleri Dergisi.* 2023;12(2):256-262. doi:10.53424/balikesirsbd.1096327
15. **Gürhan U**, Kahve Y. Evaluation of information about orthopaedic diseases in YouTube Turkish content: what do Turkish-speaking patients learn from YouTube about rotator cuff surgery? *Acıbadem Üniv Sağlık Bilimleri Dergisi.* 2022;13(3):340-344. doi:10.31067/acusaglik.1026616
16. Altun YM, Öken F, Bek N, Yavuz İA, **Gürhan U**. Comparison of radiological, functional and plantar pressure disturbance results of two different surgical techniques on syndesmosis injuries with malleolus fractures. *Acıbadem Üniv Sağlık Bilimleri Dergisi.* 2022;13(4):498-507. doi:10.31067/acusaglik.1064412
17. İnci F, Yağcı G, **Gürhan U**, Ceyhan E. Do lumbosacral transitional anomalies have any relation with sagittal spinal alignment and coronal spinal asymmetry: a retrospective investigation in army officer candidates. *J Turk Spinal Surg.* 2021;32(1):26-31. doi:10.4274/jtss.galenos.2021.367
18. Ceyhan E, İnci F, Koçak C, Yavuz İA, Tırın H, Harput G, **Gürhan U**. Sol total diz artroplastisi sağ el dominant cerrah için neden daha zordur? Total diz artroplastisinde taraf analizi. *Kırıkkale Üniv Tıp Fak Derg.* 2020;22(3):357-364. doi:10.24938/kutfd.815377
19. Ceyhan E, **Gürhan U**, İnci F, Karaismailoğlu E, Yavuz İA, Koçak C, Yıldırım AÖ, Öken ÖF. Türkçe internet sitelerindeki ortopedik hastalıklar hakkındaki bilgilerin değerlendirilmesi: ön çapraz bağ rüptürü üzerine pilot bir çalışma. *SDÜ Tıp Fak Derg.* 2020;27(3):323-330. doi:10.17343/sdutfd.595351
20. Ceyhan E, İnci F, Koçak C, Yavuz İA, Yıldırım İ, **Gürhan U**. Is the incision length really important in minimally invasive total hip replacement surgery? *J Ankara Univ Fac Med.* 2020;73(2):160-166. doi:10.4274/atfm.galenos.2020.73644

Review articles in other journals (2)

21. Ceyhan E, **Gürhan U**, İnci F, Yavuz İA. Pelvis kırıklarının cerrahi tedavisi. *Spinal ve Periferik Sinir Cerrahisi Bülteni.* 2020;(88):23-28.
22. Ceyhan E, **Gürhan U**, Koçak C. Pelvis kırıkları: tanım, sınıflama ve konservatif tedavinin yeri. *Spinal ve Periferik Sinir Cerrahisi Bülteni.* 2020;(88):17-22.

Accepted, in press

Kahve Y, Darben Azarsız Y, Aydın S, Aydın T, **Gürhan U**, Civan Kahve A. Kinesiophobia following ACL reconstruction: a qualitative netnographic study of lived experiences shared on Reddit. *Front Psychol*. Accepted 2026.

BOOKS & BOOK CHAPTERS

- 2026 **Editor.** *Sık Görülen El Travmalarına Yaklaşım* [Approach to Common Hand Injuries]. Ankara: BİDGE Yayınları; 2026. ISBN 978-625-5474-03-2.
Chapter author: **Gürhan U**. Parmak ucu, yumuşak doku ve nörovasküler yaralanmalara yaklaşım [Fingertip, soft-tissue and neurovascular injuries], pp. 64–92.
- 2021 **Co-editor.** Özdemir G, Bingöl O, **Gürhan U**, Kahve Y, Yaşar NE (eds). *Ortopedik Travma Asistan El Kitabı* [Orthopaedic Trauma Handbook for Residents]. Ankara: Akademisyen Kitabevi; 2021. ISBN 978-625-7354-82-0. doi:10.37609/akya.159
Chapters: Açık Kırıklar [Open Fractures]; Proksimal Humerus Kırıkları [Proximal Humerus Fractures].

PEER REVIEW

- 2026 – **JBJS Reviews** — member of the reviewer panel
- 2026 – **Orthopedic Surgery and Trauma Journal** (Kare Publishing) — reviewer
- 2020 – **18 manuscript reviews** for journals hosted on DergiPark
Including Acıbadem Üniversitesi Sağlık Bilimleri Dergisi, Journal of Health Sciences and Medicine and Hitit Medical Journal

SCIENTIFIC PRESENTATIONS

International

- 2021 Does core stabilization in physiotherapy program have superior effects on gait, muscle strength and hip functions for adult patients with developmental hip dysplasia?
22nd EFORT Congress (virtual) · Poster
- 2018 Bridge plating results of open radius metaphyseal–diaphyseal junction fractures.
20th APOA Congress · Oral
- 2018 Rate of conversion of reports presented at the Turkish Society of Sports Traumatology Congress into publication.
20th APOA Congress · Oral
- 2018 Lapidus procedure for the rheumatoid hallux valgus deformity.
20th APOA Congress · Oral
- 2017 *Oral presentation*
18th EFORT Congress, Vienna · Oral

National (original Turkish titles)

- 2019 Bugünün ve geleceğin sorusu: Radyolojik değerlendirmede smartphone uygulaması yeterli ve güvenli mi?
Kemik Eklem 2019 Kongresi · Oral · full text
- 2018 Tibia intramedüller çivilemede diz önü ağrısında patellar tendon hacim artışının etkisi.
28. Ulusal Türk Ortopedi ve Travmatoloji Kongresi · Oral
- 2017 Posterior malleol fiksasyonu ile ne elde ederiz?
27. Ulusal Türk Ortopedi ve Travmatoloji Kongresi · Oral
- 2017 Türkiye Spor Yaralanmaları, Artroskopi ve Diz Cerrahisi Derneği kongrelerinde sunulan bildirilerin makaleye dönüşme oranı.
27. Ulusal Türk Ortopedi ve Travmatoloji Kongresi · Poster
- 2016 Kriyoterapi sonrası gelişen parmak amputasyonu: olgu sunumu.
26. Ulusal Türk Ortopedi ve Travmatoloji Kongresi · Poster · full text
- 2016 Deltoid kasında nadir olarak görülen bir ancient schwannoma olgusu.
26. Ulusal Türk Ortopedi ve Travmatoloji Kongresi · Poster
- 2016 Adolesan sporcularda spina iliaka anterior inferior ve trokanter minör avulsiyon kırığı: iki olgu sunumu.
26. Ulusal Türk Ortopedi ve Travmatoloji Kongresi · Poster

2016	Femur diyafiz kırığı sonrası gelişen posttravmatik gonartroz: olgu sunumu. 26. Ulusal Türk Ortopedi ve Travmatoloji Kongresi · Poster
2015	Tırnak batması olgularında yatak revizyonu sonuçlarımız. 25. Ulusal Türk Ortopedi ve Travmatoloji Kongresi · Poster · full text
2015	20 yıllık TDP operasyonunu takiben açık periprostetik suprakondiler femur kırığı olgusu. 25. Ulusal Türk Ortopedi ve Travmatoloji Kongresi · Poster

ONGOING RESEARCH (PRINCIPAL INVESTIGATOR)

NCT07631585	ORTHO-OP-GPT — patients' trust in AI chatbots before and after orthopaedic consultation
NCT07547605	UMAY-RCT — PRP vs PRP + betamethasone vs betamethasone for upper trapezius myofascial pain
NCT07558551	Vr1St — PlayStation VR2 versus conventional teaching of carpal anatomy
NCT07620015	A-FORM — Turkish cross-cultural adaptation and validation (multicentre)
NCT07617233	Prediction of PRP response in knee osteoarthritis by inflammatory markers
Ethics approved	Digital nerve repair: primary neurorrhaphy versus reverse vein conduit
Ethics approved	National survey on antibiotic prophylaxis in open fractures

TEACHING

Orthopaedics and traumatology lectures and clinical training for Years 3, 5 and 6 of the medical degree, University of Kyrenia; orthopaedics lectures for Year 3 of the Physiotherapy and Rehabilitation programme.

AWARDS

2016	ortOlimpik 2016 — First Place , Orthopaedics and Traumatology Knowledge Contest, Turkish Society of Orthopaedics and Traumatology (TOTBİD), 26th National Congress Prize: participation in the 18th EFORT Congress, Vienna 2017
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SELECTED COURSES

AOTrauma Course — Basic Principles of Fracture Management (2016) · TOTBİD 13th Basic Orthopaedic Trauma Course (2016) · TOTBİD knee and foot cadaver courses (2016) · AOSpine Principles of Spine Surgery (2017) · 12th Gazi Shoulder Arthroscopy Course (2019) · TOTBİD 9th Bone and Soft-Tissue Tumours Course (2019) · Dokuz Eylül Basic Knee Arthroscopy, fresh cadaver (2019) · TOTBİD 10th Continuing Education Programme (2019) · TOTBİD 10th Advanced Trauma Course (2020) · 4th Gazi Ankle Arthroscopy Cadaver Course (2020)

MEMBERSHIPS

Turkish Board of Orthopaedics and Traumatology (TOTBİD, 2021–) · Cyprus Turkish Medical Association (2022–)