

AOTT

ACTA ORTHOPAEDICA et TRAUMATOLOGICA TURCICA

Acta Orthop Traumatol Turc ISSN 1017-995X • EISSN 2589-1294

Volume 56 • Issue 5 • September 2022 aott.org.tr



The Official Journal of The Turkish Association of Orthopaedics and Traumatology (TOTDER) and The Turkish Society of Orthopaedics and Traumatology (TOTBID)

Executive Board of Turkish Association of Orthopaedics and Traumatology

Önder Kılıçoğlu (President) Hasan Bombacı (Former President) Yusuf Öztürkmen Merter Yalçınkaya Gökhan Kaynak Serkan Aykut Ali Erşen Ali Öner Engin Eceviz Adnan Kara

Executive Committee of the Turkish Society of Orthopaedics and Traumatology

Cem Nuri Aktekin (President) Halit Pınar (Former President) Ahmet Murat Bülbül Ali Öçgüder Ahmet Özgür Yıldırım Kerem Başarır Kubilay Beng Mehmet Demirhan Serkan İltar Halil Yalçın Yüksel

Owner on behalf of the Turkish Association of Orthopaedics and Traumatology: Önder Kılıçoğlu • Publication Type: Bimonthly periodical • Publication date: September 20, 2022 • Published by the Turkish Association of Orthopaedics and Traumatology







A CO T T ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA

The Official Journal of the Turkish Association of Orthopaedics and Traumatology (TOTDER) and the Turkish Society of Orthopaedics and Traumatology (TOTBID)



Founder İbrahim Kara

General Manager Ali Şahin

Publishing Directors İrem Soysal Gökhan Çimen

Editor **Bahar Albayrak**

Publication Coordinators Arzu Arı Deniz Kaya Irmak Berberoğlu Alara Ergin Hira Gizem Fidan Defne Doğan Vuslat Taş

Web Coordinators Sinem Fehime Koz Doğan Oruç

Finance Coordinator Elif Yıldız Çelik

Contact Address: Büyükdere Cad. 105/9 34394 Mecidiyeköy, Şişli, İstanbul, Turkey Phone: +90 212 217 17 00 Fax: +90 212 217 22 92 E-mail: info@avesyayincilik.com

Editor-in-Chief

Haluk Berk Dokuz Eylül University, School of Medicine, İzmir Turkey editor@aott.org.tr

Former Editor-in-Chief

Önder Kılıçoğlu İstanbul University, İstanbul School of Medicine, İstanbul, Turkey kilicoglu@aott.org.tr

Technical Editors

Emre Acar Dokuz Eylül University, School of Medicine, İzmir, Turkey

Onur Başçı Dokuz Eylül University, School of Medicine, İzmir, Turkey

Mehmet Demirel İstanbul University, İstanbul Faculty of Medicine, İstanbul, Turkey

Murat Korkmaz Koç University Hospital, İstanbul, Turkey

Emre Anıl Özbek Ankara University, School of Medicine, Ankara Turkev

Cemil Cihad Gedik Koç University, School of Medicine, İstanbul, Turkey

Associate Editor and Social Media Editor

İlker Eren Koç University, School of Medicine, İstanbul, Turkey

Associate Editors

Özgür Dede Department of Orthopaedic Surgery, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

Tuna Özyürekoğlu Department of Surgery, Division of Hand Surgery, Christine M Kleinert Institute for Hand and Microsurgery, University of Louisville, USA Kaya Akan Okan University, School of Medicine, İstanbul, Turkey

Turgut Akgül İstanbul University, İstanbul School of Medicine, İstanbul, Turkey

Umut Akgün Acıbadem Mehmet Ali Aydınlar University, School of Medicine, İstanbul, Turkey Ata Can Atalar Acıbadem Mehmet Ali Aydınlar University, School of Medicine, İstanbul, Turkey

Umur Aydoğan Penn State Hershey Medical Center, Pennsylvania, USA

İbrahim Azboy İstanbul Medipol University, İstanbul, Turkey

Burak Beksaç İstanbul, Turkey

Jason Cheung Queen Mary Hospital, The University of Hong Kong, Hong Kong

Derya Çelik İstanbul University-Cerrahpaşa, Faculty of Health Sciences, İstanbul, Turkey

Mehmet Ali Deveci Koç University, School of Medicine, İstanbul, Turkey

Bülent Erdemli Ankara University, School of Medicine, Ankara, Turkey

Emel Gönen Koç University, School of Medicine, İstanbul, Turkey

Gazi Huri Hacettepe University, School of Medicine, Ankara, Turkey

Pembe Keskinoğlu Dokuz Eylül University, School of Medicine, İzmir, Turkey

Hakan Kınık Ankara University, School of Medicine, Ankara, Turkey Esat Kıter Odak Hospital, Denizli, Turkey

Chiu Chee Kidd Department of Orthopaedic Surgery, Faculty of Medicine, University of Malaya, Kuala Lumpur, W.Persekutuan Kuala Lumpur, Malaysia

Salih Marangoz Acıbadem Mehmet Ali Aydınlar University, School of Medicine, İstanbul, Turkey

Bjarne Møller-Madsen Aarhus University Hospital, Aarhus, Denmark

Haluk Özcanlı Akdeniz University, School of Medicine, Antalya, Turkey

Gökhan Polat İstanbul University, School School of Medicine, İstanbul, Turkey

Dündar Sabah Ege University, School of Medicine, İzmir, Turkey

Aksel Seyahi Koç University, School of Medicine, İstanbul, Turkey

Alpaslan Şenköylü Gazi University, School of Medicine, Ankara, Turkey

Ali Turgut İzmir Tepecik Training and Research Hospital, İzmir, Turkey

Merter Yalçınkaya Bahçeşehir University, Medical Park Göztepe Hospital, İstanbul, Turkey

International Scientific Review Consultants

Enrique Gomez-Barrena Department of Orthopedics and Traumatology, Hospital Universitario La Paz, Universidad Autómoma de Madrid, Madrid, Spain

Gregory J. Della Roca University of Missouri, Orthopaedics, Columbia, Missouri

AIMS AND SCOPE



Acta Orthopaedica et Traumatologica Turcica (AOTT) is a scientific, open access periodical published by independent, unbiased, and double-blinded peer-review principles. The journal is the official publication of the Turkish Association of Orthopaedics and Traumatology and the Turkish Society of Orthopaedics and Traumatology. It is published bimonthly in January, March, May, July, September, and November. The publication language of the journal is English.

The aim of the journal is to publish original studies of the highest scientific and clinical value in orthopedics, traumatology, and related disciplines. The scope of the journal includes but not limited to diagnostic, treatment, and prevention methods related to orthopedics and traumatology. Acta Orthopaedica et Traumatologica Turcica publishes clinical and basic research articles, case reports, personal clinical and technical notes, systematic reviews and meta-analyses and letters to the Editor. Proceedings of scientific meetings are also considered for publication.

The target audience of the journal includes healthcare professionals, physicians, and researchers who are interested or working in orthopedics and traumatology field, and related disciplines.

Acta Orthopaedica et Traumatologica Turcica is currently indexed in Web of Science-Science Citation Index Expanded, PubMed/Medline, PubMed Central, Scopus, DOAJ, CNKI and TUBITAK ULAKBIM TR Index.

The editorial and publication processes of the journal are shaped in accordance with the guidelines of the International Committee of Medical Journal Editors (ICMJE), World Association of Medical Editors (WAME), Council of Science Editors (CSE), Committee on Publication Ethics (COPE), European Association of Science Editors (EASE), and National Information Standards Organization (NISO). The journal is in conformity with the Principles of Transparency and Best Practice in Scholarly Publishing (doaj.org/bestpractice).

All manuscripts must be submitted via the online submission system, which is available at www.aott.org. tr. The journal guidelines, technical information, and the required forms are available on the journal's web page.

Expenses of the journal are covered by the article processing charges and the financial support received from the Turkish Association of Orthopaedics and Traumatology and the Turkish Society of Orthopaedics and Traumatology. Potential advertisers should contact the Editorial Office. Advertisement images are published only upon the Editor-in-Chief's approval.

Statements or opinions expressed in the manuscripts published in the journal reflect the views of the author(s) and not the opinions of the Turkish Association of Orthopaedics and Traumatology, editors, editorial board, and/or publisher; the editors, editorial board, and publisher disclaim any responsibility or liability for such materials.

All published content is available online, free of charge at www.aott.org.tr.

Turkish Association of Orthopaedics and Traumatology holds the international copyright of all the content published in the journal. The journal's content is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License (CC BY-NC-ND 4.0).

Editor-in-Chief: Prof. Dr. Haluk Berk Address: TOTDER Genel Merkezi, Şehremini, Koyuncu Sk. No: 4/5 , 34104 Fatih, İstanbul, Turkey Phone: +90 212 530 15 08 Fax: +90 212 530 15 21 E-mail: editor@aott.org.tr

Publisher: AVES
Address: Büyükdere Cad., 105/9 34394 Mecidiyeköy, Şişli, İstanbul, Turkey
Phone: +90 212 217 17 00
Fax: +90 212 217 22 92
E-mail: info@avesyayincilik.com
Web page: www.avesyayincilik.com



CONTENTS

Research Articles

- 300 Intraoperative determination of the risky angles and safe distances for preventing deep femoral artery injury during proximal femoral nailing for hip fractures in Asian people Takehiro Kaneoka, Takashi Imagama, Manabu Yamamoto
- **306** YouTube provides insufficient information on patellofemoral instability Ali Yüce, Niyazi İğde, Tuğrul Ergün, Abdulhamit Mısır
- 311 Investigating the magnetic resonance imaging cross-section area that best correlates with intraoperative hamstring autograft size Tacettin Ayanoğlu, Emre Arıkan, Onur Yılmaz, Halil Gökkuş, Yasin Emre Kaya, Kutay Engin Özturan
- 316 Is single-stage minimally invasive plate fixation safe in open distal radius fractures with metadiaphyseal involvement?: Retrospective evaluation of 54 patients Fatih İnci, İbrahim Alper Yavuz
- 321 Comparison of the clinical and radiographic outcomes of plate fixation versus new-generation locked intramedullary nail in the management of adult forearm diaphyseal fractures Oktay Polat, Serdar Toy
- 327 Bilateral bi-level erector spinae plane blocks in scoliosis surgery: a retrospective comparative study Selcan Akesen, Saltuk Buğra Güler, Burak Akesen
- 333 Analysis of risk factors for amputation in patients with diabetic foot ulcers: a cohort study from a tertiary center Denizhan Demirkol, Şamil Aktaş, Tuncay Özcan, Xavier Tannier, Çiğdem Selçukcan Erol

Systematic Review

340 Conservative treatment for idiopathic frozen shoulder: Is supervised neglect the answer? A systematic review Andri Maruli Tua Lubis, Bernadus Riyan Hartanto, Erica Kholinne, Romy Deviandri

Case Reports

- 347 A technical trick for extracting a stingray spine from hand: a case report Mehmet Sait Akar, Sait Anıl Ulus, Fatih Durgut, Şeyhmus Yiğit
- 350 Radial nerve entrapment after fracture of the supracondylar humerus: a rare case of a 6-year-old Cheungsoo Ha, Soo-Hong Han, Ju Sung Lee, In-Tae Hong