Executive Board of Turkish Association of Orthopaedics and Traumatology

Hasan Bombaci (President)
Mehmet Demirhan (Former President)
Serkan Aykut
Halil Ibrahim Balci
Ali Erseven
Erden Ertuerer
Gokhan Kaynak
Cemal Kural
Yusuf Ozturkmen
Merter Yalcinkaya

Executive Committee of the Turkish Society of Orthopaedics and Traumatology

Halit Pinar (President)
Irzan Ozturk (Former President)
Cem Nuri Aktekin
Ahmet Murat Bulbul
Onder Ersan
Irzan Esenkaya
Volkan Oztuna
Kahraman Ozturk
Aykin Simsek
Ahmet Ozgur Yildirim

Owner on behalf of the Turkish Association of Orthopaedics and Traumatology: Hasan Bombaci

- Publication Type: Bimonthly periodical • Publication date: January 1, 2021 •
- Published by the Turkish Association of Orthopaedics and Traumatology
AIMS AND SCOPE

Acta Orthopaedica et Traumatologica Turcica (AOTT) is an international, scientific, open access periodical published in accordance with independent, unbiased, and double-blinded peer-review principles. The journal is the official publication of the Turkish Association of Orthopaedics and Traumatology, and 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, 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

From the Editors

1 Editorship since the Roman period and Planck’s principle
Prof. Önder Kılıçoğlu

2 A legal overview of the use of messaging platforms in healthcare
Prof. Dr. R. Haluk Berk

Editorial

3 A legal overview of the use of messaging platforms in healthcare
Gökhan Avcı, İrfan Esenkaya

Research Articles

5 Instant messaging application usage for clinical consultation among orthopedic surgery residents in Turkey: A survey study
Bedri Karaismailoğlu, Serkan Erkuş, Tayfun Baçaksız, Niyazi Ercan, Alper Şükrii Kendirci, Fatih Kıcımkıdurma, Önder Kalenderer, İrfan Öztürk

9 Interfragmentary lag screw and locking plate combination in simple distal femoral fractures: A finite element analysis
Jun Zhang, Yan Wei, Guoding Li, Jian Wang, Youjia Xu

16 Analysis of factors among 30-day and 1-year mortality rates in patients with borderline stable-unstable intertrochanteric hip fracture
İbrahim Deniz Canbeyli, Meriç Çırpar, Birhan Oktaş, Mehmet Çoban

22 Percutaneous mesh-container-plasty for osteoporotic thoracolumbar burst fractures: A prospective, nonrandomized comparative study
Chengxuan Tang, Xiaojun Tang, Weihao Zhang, Minghai Dai, Maoxiu Peng, Shaoqi He

28 Open reduction and Salter innominate osteotomy combined with femoral osteotomy in the treatment of developmental dysplasia of the hip: Comparison of results before and after the age of 4 years
Cenk Kırıkçı, Emre Özdemir, Mehmet Çolak, Ersin Şensöz, Fehmi Volkan Öztuna

33 Investigation of sensory nerve endings in pulvinar, ligamentum teres, and hip joint capsule: A prospective immunohistochemical study of 36 cases with developmental hip dysplasia
Cemil Ertürk, Sezen Koçarslan, Halil Büyükdooğan, Mehmet Akiş Altay

38 Anatomical relationships of the transmuscular portal to its surrounding structures in arthroscopic treatment of superior labrum anterior posterior lesions: A cadaveric study and preliminary report
Turhan Özler, Onur Kocadağ, Gülşah Zeybek, Amaç Kıray, Gökhan Meriç
42 Evaluation of braking performances of patients with osteoarthritis of the knee or hip: Are there alternatives to a brake simulator?
Maximilian von Bernstorff, Felix Bausenhart, Jennifer Rapp, Martina Feierabend, Ingmar Ipach, Ulf Krister Hofmann

48 Efficacy of prophylactic application of vancomycin powder in preventing surgical site infections after instrumented spinal surgery: A retrospective analysis of patients with high-risk conditions
Kadir Oktay, Kerem Mazhar Özsoy, Nuri Eralp Çetinalp, Tahsin Erman, Aslan Güzel

53 Vancomycin prophylaxis for revision hip arthroplasty in penicillin and cephalosporin sensitive patients: Is dose adjustment necessary in accordance with blood loss and fluid replacement?
Ömür Çağlar, Mehmet Kaymakçı, Akin Çıl, Bülent Atilla, Fatma Sarıcaoğlu, Mazhar Tokgözüoğlu

57 Mid-term clinical and radiographic outcomes of perilunate injuries treated with open reduction and internal fixation
İlker Çolak, Güven Bulut, Halil İbrahim Bekler, Gürtekin Sitks Çeçen, Deniz Gılabı

62 Importance of measurement methods and demographic characteristics in evaluating ulnar variance: A retrospective comparative study
Serra Öztürk, Fulya Kahraman, Hande Salım, Baver Acar, Engin Çalış, Başak Oğuz Yolcular, Timur Sindel, Muazaffar Sindel

67 Clinicopathological and prognostic characteristics of acral metastases in patients with malignant disease: A retrospective study
Mert Çiftdemir, Fethi Emre Ustabaşoğlu, Süleyman Alp Çölbe, Funda Üstün, Ufuk Usta, İrfan Çiçin

Technical Note

73 A mini-incision carpal tunnel release technique to prevent pillar pain: A technical note
Julio Morón-Morón, José Ramón Mérida-Velasco, Emilio Bartolomé del Valle, Jorge Murillo-González

Case Reports

76 Solitary thoracic osteochondroma causing spinal compression: Case report
Hümeyra Kulluğçu Albayrak, Atilla Kazancı, Ahmet Gürhan Gürçay, Mehmet Özgür Özateş, Oktay Gürcań

80 Urine in the thigh, an extraordinary complication of pelvic fracture: Vesicocutaneous fistula
Cem Albay, Mehmet Akif Güleç

Letter to the Editor

84 Comment on "Alternative treatment for varus instability of the hallux interphalangeal joint: A case report"
Jaeho Cho