ISSN: 1302-0471 e-ISSN: 2146-8052

Gulhane Med J December 2022 Volume 64 Issue 4



GÜLHANE MEDICAL JOURNAL Gülhane Tıp Dergisi

Gülhane Medical Journal

Gülhane Tıp Dergisi

Executive Editor-in-Chief

Cevdet ERDÖL, M.D., Prof.

Rector of the University of Health Sciences Türkiye, Istanbul, Türkiye

Editor-in-Chief

M. Ali GÜLÇELİK, M.D., Prof.

Dean of Gülhane Faculty of Medicine, University of Health Sciences Türkiye, Ankara, Türkiye ORCID: orcid.ora/0000-0002-8967-7303

Editors

Emre ADIGÜZEL, M.D., Assoc. Prof.

University of Health Sciences Türkiye, Ankara City Hospital, Physical Medicine and Rehabilitation Hospital, Ankara, Türkiye

ORCID ID: 0000-0002-2447-5065

Melih AKINCI, M.D., Prof.

University of Health Sciences Türkiye, Gülhane Faculty of Medicine; Gülhane Training and Research Hospital, Clinic of General Surgery, Ankara, Türkiye

ORCID ID: 0000-0001-8719-6584

Simel AYYILDIZ, DDS, Ph.D., Prof.

University of Health Sciences Türkiye, Gülhane Faculty of Dentistry, Department of Prosthodontics, Ankara, Türkiye

ORCID ID: 0000-0003-4679-0629

Muhammet ÇINAR, M.D., Prof.

University of Health Sciences Türkiye, Gülhane Faculty of Medicine; Gülhane Training and Research Hospital, Department of Internal Medicine, Division of Rheumatology, Ankara, Türkiye ORCID ID: 0000-0002-6150-3539

Nesrin ÖCAL, M.D., Assoc. Prof.

University of Health Sciences Türkiye, Gülhane Faculty of Medicine, Department of Chest Diseases, Ankara, Türkiye

ORCID ID: https://orcid.org/0000-0002-3789-7769

Ahu PAKDEMİRLİ, M.D., Ph.D., Assoc. Prof.

University of Health Sciences Türkiye, Gülhane Faculty of Medicine, Department of Physiology, Ankara, Türkiye

ORCID ID: 0000-0001-9224-3007

İlker TASCI, M.D., Prof.

University of Health Sciences Türkiye, Gülhane Faculty of Medicine; Gülhane Training and Research Hospital, Department of Internal Medicine, Ankara, Türkiye

ORCID ID: 0000-0002-0936-2476

Duygu TECER, M.D., Assoc. Prof.

University of Health Sciences Türkiye, Gülhane Training and Research Hospital, Clinic of Rheumatology, Ankara, Türkiye

ORCID ID: 0000-0002-8816-6181

Managing Editor

İlker TAŞÇI, M.D., Prof.

English Editing

Provided by Galenos for accepted articles

Editorial Board

İsmail Yaşar AVCI, M.D., Prof. Hatice AYHAN. R.N., Assoc. Prof.

Tülay BASAK, R.N., Prof.

Ahmet COŞAR, M.D., Prof.

Mehmet Ayhan CÖNGÖLOĞLU, M.D., Prof. Yaprak DÖNMEZ ÇAKIL, M.D., Asst. Prof.

Fatma İlknur CINAR, R.N., Prof.

Cem HAYMANA, M.D., Assoc. Prof.

Ali Mohamed Ali ISMAIL, M.D.

Ömer KARADAŞ, M.D., Prof.

Necdet KOCABIYIK, M.D., Prof.

Hamit KÜÇÜK, M.D., Assoc. Prof.

Sinan ÖKSÜZ, M.D., Prof.

Gökhan ÖZKAN, M.D., Assoc. Prof.

Rahsan ILIKÇI SAĞKAN, M.D., Prof.

Ayhan SAVAŞER, M.D., Prof.

Taner ŞAHİN, M.D., Asst. Prof.

Ayşe SAATÇİ YAŞAR, M.D., Prof.

Dilek YILDIZ, R.N., Prof.

Gülhane Medical Journal is the official scientific publication of the Gülhane Faculty of Medicine, University of Health Sciences Türkiye.



Galenos Publishing House Owner and Publisher Derya Mor Erkan Mor Publication Coordinator

Burak Sever
Web Coordinators
Fuat Hocalar

Turgay Akpınar Graphics Department

Ayda Alaca Çiğdem Birinci Gülay Saday Gülşah Özgül

Finance Coordinator Sevinç Çakmak **Project Coordinators**

Aysel Balta Gamze Aksoy Gülay Akın Hatice Sever Melike Eren Özlem Çelik Pınar Akpınar Rabia Palazoğlu

Research&Development

Sümeyye Karadağ

Digital Marketing Specialist Ümit Topluoğlu **Publisher Contact**

Address: Molla Gürani Mah. Kaçamak Sk. No: 21/1 34093 İstanbul, Türkiye

Phone: +90 (212) 621 99 25 Fax: +90 (212) 621 99 27 E-mail: info@galenos.com.tr • yayin@galenos.com.tr

Web: www.galenos.com.tr

Publisher Certificate Number: 14521

Printing at: Son Sürat Daktilo Dijital Baskı Merkezi Sanayi ve Ticaret Ltd. Sti.

licaret Ltd. Şti.

Gayrettepe Mahallesi, Yıldızposta Caddesi, Evren Sitesi A Blok No: 32

D: 1 - D: 3 34349 Beşiktaş, İstanbul, Türkiye

Phone: +90 (212) 288 45 75 E-mail: info@sonsuratdaktilo.com

Printing Date: November 2022 ISSN: 1302-0471 E-ISSN: 2146-8052 International scientific journal published quarterly.

Gülhane Tıp Dergisi

Gülhane Medical Journal (Gulhane Med J) is the official, scientific, peer-reviewed, international journal of Gülhane Faculty of Medicine, University of Health Sciences Türkiye. The journal accepts submissions on all aspects of general medicine. Featured article types include original articles, case reports, reviews, and letters to the editor. The history of the Gülhane Medical Journal dates back to 1871 and it was named with its current title in 1999.

Reasons to publish with this journal:

- Electronic archive available since 2002
- Covers the broad field of medicine
- Double-blind, peer-review policy
- Published in both print and online versions
- Online early appearance with a doi number
- No fee of any type for submission or publication

The journal is published quarterly in March, June, September and December.

Processing and publication are free of charge with Gülhane Medical Journal. No fees are requested from the authors at any point throughout the evaluation and publication process.

All manuscripts must be submitted via the online submission system which is available through the journal's web page.

For authors submitting to Gülhane Medical Journal, it is recommended that authors follow the Uniform Requirements for Manuscripts Submitted to Biomedical Journals formulated by the International Committee of Medical Journal Editors (ICMJE).

Abstracting and Indexing

Gülhane Medical Journal is indexed in Scopus, British Library, Ulakbim TR Index, CABI, Ebsco HOST, Index Copernicus, OCLC Worldcat, Embase, Türk Medline, Türkiye Atıf Dizini, J-Gate and Gale.

Copyright Statement

Gülhane Faculty of Medicine owns the royalty and national and international copyright of all content published in the journal.

About us

Material Disclaimer

The author(s) is (are) responsible for the articles published in Gülhane Medical Journal The editor, editorial board and publisher do not accept any responsibility for the articles.

Open Access Policy

This journal provides immediate open access to its content on the principle that making research freely available to the public supports a greater global exchange of knowledge.

Open Access Policy is based on the rules of the Budapest Open Access Initiative (BOAI) http://www.budapestopenaccessinitiative.org/. By "open access" to peerreviewed research literature, we mean its free availability on the public internet, permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, crawl them for indexing, pass them as data to software, or use them for any other lawful purpose, without financial, legal, or technical barriers other than those inseparable from gaining access to the internet itself. The only constraint on reproduction and distribution, and the only role for copyright in this domain, should be to give authors control over the integrity of their work and the right to be properly acknowledged and cited.

This work is licensed under a Creative Commons Attribution-NonCommercialNoDerivatives 4.0 International License (https://creativecommons.org/licenses/by-ncnd/4.0/).

The journal is printed on an acid-free paper.

Publisher Corresponding Address

Galenos Yayınevi Tic. Ltd. Şti.

Address: Molla Gürani Mah. Kaçamak Sk. No: 21, 34093

Fındıkzade-İstanbul-Türkiye **Phone:** +90 212 621 99 25

Fax: +90 212 621 99 27

E-mail: info@galenos.com.tr



Gülhane Tıp Dergisi

Instructions to Authors

Gülhane Medical Journal (GMJ) is an international, multidisciplinary and peer reviewed journal for researchers and health-care providers. It is published four times a year, and accepts submissions in English. It is the official journal of the Gülhane Faculty of Medicine, University of Health Sciences Türkiye.

GMJ follows the International Committee of Medical Journal Editors's (ICMJE) Recommendations for the Conduct, Reporting, Editing and Publication of Scholarly Work in Medical Journals. For authors submitting to GMJ, it is recommended that authors follow the Uniform Requirements for Manuscripts Submitted to Biomedical Journals formulated by the International Committee of Medical Journal Editors (ICMJE).

All submissions are evaluated through the online submission system via (http://submit.gulhanemedj.org/login.php). Following submission, all correspondence is sent by e-mail.

Accepted manuscripts are assigned a DOI number, and the content is freely available.

GMJ publishes in categories listed below;

- 1. Original article
- 2 Case report
- 3. Review article
- 4. Letter to the editor (and their responses)

Authors submitting their manuscripts should follow this guide for the authors. Editorial office may send the manuscript back in order to complete the standard requirements before proceeding for review.

Original articles should be designated either basic research or clinical research.

Review articles should include a summary and subheadings in the text to highlight the content of different sections. Authors are recommended to contact journal before submitting a review article in order to get a provision for review.

Case reports should present an actual patient case with a specific disease or condition.

Letters to the editor should be related to the articles published in the last four issues.

Below are the word limits applied by the GMJ, specific to manuscript types;

Type of article	Abstract	Word count*	Number of authors	Number of references	Table/figure
Original article	250	2000 to 5000	Unlimited	40	5
Review article	250	2000 to 4000	3	50	3
Case report	100	500 to 1000	5	15	2
Letter to the editor	-	250 to 500	3	5	-

*Excludes abstract, acknowledgments, conflict of interest statement, references, and tables; minimum and maximum word counts.

The authors must declare that their submitted article has neither been published in any journal, nor been simultaneously submitted to another journal. Presentations as an abstract at a scientific meeting is an exception but this should be declared in the cover letter.

The Methods section should include a statement indicating that the research was approved by an independent local, regional or national review body (e.g., ethics committee, institutional review board). If the study includes human subjects, the author should declare openly that the work described has been carried out in accordance with The Code of Ethics of the World Medical Association (Declaration of Helsinki) for experiments involving humans (link- https://www.wma.net/policies-post/wma-international-code-of-medical-ethics/), and Uniform Requirements for manuscripts submitted to Biomedical journals (link- http://www.icmje.org/). The name of the institution and the code of approval (i.e., approval number) must be provided. Authors should include a statement in the manuscript about informed consent obtained from their participants. According to the most recent regulations by the Turkish Academic Network and Information Center (ULAKBIM), the authors (s) of a case report must include a statement in their manuscript that written, informed consent was obtained from the patient.

Gülhane Tıp Dergisi

Instructions to Authors

GMJ follows the ICMJE's clinical trial registration policy for the clinical trials. Therefore, registration of clinical trials in a public trials registry at or before the time of first patient enrollment is a basic requirement in this journal. The name of the public registry and the code of approval should be included in the manuscript.

Animal experiments should comply with the standards as detailed by the <u>EU Directive 2010/63/EU</u> for animal experiments. Different or local regulations may apply provided that this is written in the manuscript and EU Directive is not violated.

Preperation of the manuscript

The text should be in simple, single-column format. Using MS word processor, Times New Roman font and 11- or 12-point font size should be chosen. The text and references should be double-spaced.

Importantly, the title page must be uploaded separately, no page breaks should be used and all pages should be numbered (below, centered) consecutively.

Abbreviations should be defined when first used in the text.

Units must be expressed following the international system of units (SI).

Uploading the Manuscript Submission Form (MSF) (found in online submission system) is mandatory for all submissions. MSF must be filled in English (typewriting is encouraged), signed by the corresponding author and scanned clearly.

Authors should make sure that a good layout is helpful throughout the review and publication process.

Cover Letter

All submissions should include a cover letter and complete contact information for the corresponding author. The authors must declare in this letter that their submitted article has neither been published in any journal, nor been simultaneously submitted to another journal. Whether the authors have published or submitted any related papers from the same study should be stated. Authors may also use this letter for confidential contact with the editor.

Title Page

All manuscripts should start with the title page. It should include; the title of the manuscript, full names, highest academic degrees, and affiliations of all authors including updates, name and complete contact information for the corresponding author, and manuscript word count (not including title, abstract, acknowledgments, references, tables, and figure legends). The title page should also include the "Acknowledgments" section, "Conflict of interest" statement, and information about the previous publications(s) as an abstract with the inclusion of authors list in the presentation. A sample of a title page can be found here.

Abstract

It should be structured according to Aims, Methods, Results, Conclusions

Keywords

Up to six keywords should be included in the manuscript.

Main document

It should be divided into the following sections: Introduction; Methods; Results; Discussion.

A case report should be structured as follows; introduction, Presentation of Case, Discussion, Conclusion.

Acknowledgments (mandatory)

This section must include list of author contributions, credits, and other information. Author contributions must be listed in accordance with ICMJE authorship criteria. Funding must be described in detail including valid codes. Authors are responsible for the completeness of the information that should exist in the acknowledgement.

Gülhane Tıp Dergisi

Instructions to Authors

Conflict of Interest (mandatory)

Authors must disclose any conflict of interest related to their submission. This statement must include any financial, personal or other relationships within three years of beginning the submitted work. When there is no such relationship, the authors must type "The authors declared they do not have anything to disclose regarding conflict of interest with respect to this manuscript."

References

It is the authors' responsibility to maintain the accuracy and completeness of their references and for correct citation in the text.

References should be numbered and listed in the order they appear in the text. In the text, references should be identified using arabic numerals in parenthesis placed before the period. Up to six authors in a cited article all authors should be listed. When there are seven or more authors, the first three authors' names should be included followed by "et al.". The issue number must be included in journal references, and last page number must be typed in full.

Examples of reference style:

Galant SP, Komarow HD, Shin HW, Siddiqui S, Lipworth BJ. The case for impulse oscillometry in the management of asthma in children and adults. Ann Allergy Asthma Immunol. 2017;118:664-671.

Willeit K, Pechlaner R, Willeit P, et al. Association between vascular cell adhesion molecule 1 and atrial fibrillation. JAMA Cardiol. 2017;2:516-523.

Taichman DB, Sahni P, Pinborg A, et al. Data sharing statements for clinical trials: a requirement of the international committee of medical journal editors [published online June 6, 2017]. Ann Intern Med. doi: 10.7326/M17-1028.

World Health Organization. WHO Criteria for Diagnosis of Osteoporosis. Last Accessed Date: 15.06.2017. Available from: http://www.4bonehealth.org/education/world-health-organization-criteria-diagnosis-osteoporosis/

Venables WN, Ripley BD. Modern Applied Statistics With S. 4th ed. New York, NY: Springer Publishing Co; 2003

Purnell L. Transcultural Diversity and Health Care. In: Transcultural Health Care: A Culturally Competent Approach. 4th ed. Philadelphia: FA Davis Company; 2012:7.

Tables

Tables should be numbered in the order of their citation in the text. Each table should have a brief title. Footnotes should also be used where needed. Each table should be uploaded as a separate word file.

Figures

Figures should be numbered in the order of their citation in the text. Each figure should have a brief title. Footnotes should also be used where needed. Each figure should be uploaded as a separate JPEG or TIFF file and should not exceed 1 MB in size.

Table and figure Legends

Use of brief legends (captions) for tables and figures is recommended. These can include explanation of the table or figure, markers and expansion of abbreviations. The legends should be uploaded as separate, word files.

GMJ encourages authors to use reporting guidelines such as CONSORT for Randomized Controlled Trial, PRISMA for Systematic Reviews or Meta-analyses of controlled trials, STARD for Diagnostic accuracy studies, and STROBE for Observational epidemiology studies.

Fees

GMJ offers entirely free publication. No page charges, article processing charge, or other are applied. The journal does not accept donations.

© 2018 Gülhane Medical Journal. All Rights Reserved.

Gülhane Tıp Dergisi

Peer Review and Ethics

Peer Review Policy

Gülhane Medical Journal is an independent, non-biased periodical publication that adheres to the double-blind peer-review process.

The manuscript evaluation process and ethical principals in this publication conform to the Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (ICMJE Recommendations) (http://www.icmje.org) and The Committee on Publication Ethics (COPE) (https://publicationethics.org/).

Submitted manuscripts are first evaluated for their scientific value by the managing editor. After the initial evaluation, an editor is assigned by the Editor-in-Chief. Each manuscript is sent to at least two reviewers by the assigning editor. Following review and the decision of the assigning editor, the Editor-in-Chief makes a decision. The procedure is the same for the initial submission and the revised manuscript. The whole evaluation process is aimed to be completed within 12 weeks. Where necessary, manuscripts are also evaluated by the statistics editor.

The dates of submission and acceptance are displayed on the first page of the accepted manuscripts.

The Editor-in-Chief and editors have the right to reject or return manuscripts to be revised for format or scientific content before the reviewer selection.

All queries should be sent to the editorial office via e-mail the following address: editor@gulhanemedj.org.

Withdrawal Policy

Withdrawal of a manuscript will be permitted only for the most compelling and unavoidable reasons. For withdrawal requests, authors need to submit an "Article Withdrawal Form", signed by all authors. The form is available at (http://glns.co/vsw7j). The submission of this form is not sufficient to complete the withdrawal procedure. The editorial office notifies the authors about the decision of the Editor-in-Chief.

In case the review process exceeds six months following editor assignment, the authors have the right to place a withdrawal request without any reason.

Ethical Considerations

Authors

Gülhane Medical Journal is committed to providing high-quality articles and upholds the publication ethics to advance the intellectual agenda of science. We expect the authors to comply with the best practice in publication ethics.

For experimental and clinical studies, approval by the ethical committee and a statement on adherence of the study protocol to the international agreements (Helsinki Declaration revised 2013 (https://www.wma.net/policies-post/wma-declaration-of-helsinki-ethical-principles-for-medical-research-involving-human-subjects/) are mandatory. In experimental animal studies, the authors should indicate that the procedures are in accordance with animal rights (Guide for the care and use of laboratory animals, www.nap.edu.catalog/5140.html) and they should obtain animal ethic committee approval.

The collected data cannot be shared with third-party persons, organizations or other affiliations. Patients' private data cannot be published.

The "Materials and Methods" should include sufficient information about the ethical approval along with its source and code. This section should also include the required statements that the study procedures conformed to the international standards of human and animal studies, and written, informed consent was obtained for each participant.

The declaration of the conflict of interest between the authors and institutions, and acknowledgement of any funding or financial or material support should appear at the end of the manuscript.

Editors and Reviewers

Editors and reviewers are required to report any potential conflict of interest with the submitting authors and their institutions.

ILHANE MEDICAL JOURNAL Gülhane Tip Derqisi

Gülhane Medical Journal

Gülhane Tıp Dergisi

Peer Review and Ethics

Evidence of the following attempts is subject to sanctions in this journal:

Plagiarism: Republishing the data or intellectual material of someone else as one's own original work.

Fabrication: Publishing data and findings/results that do not exist.

Duplication (multiple publications): Publishing the same data or intellectual material more than once. Publication as an abstract presentation in a scientific meeting is outside this definition.

Salami publication/slicing: Publishing multiple articles by dividing the results of a single study preternaturally.

We use Crossref Similarity Check powered by "iThenticate" to screen all submissions for plagiarism before the review step and before the publication.

Author Contributions

In accordance with the ICMJE recommendations, contributions of all authors must be listed in the manuscript. Contributors who do not meet the criteria for authorship should not be listed as authors, but they should be acknowledged.

Gülhane Tıp Dergisi

Contents

REVIEWS

- **289** Effect of probiotics on oral *Candida*-a review

 Mohamed Faizal Asan, Subhas Babu G, Supriya Bhat; Mangalore, India
- **295** Charcoal–containing toothpastes
 Elif Tuğba Altıparmak, Elif Aybala Oktay, Serpil Karaoğlanoğlu; Ankara, Türkiye

ORIGINAL ARTICLES

- 217 Effects of COVID–19 on axial spondyloarthritis disease flare

 Berkan Armağan, Ebru Atalar, Bahar Özdemir, Özlem Karakaş, Esra Kayacan Erdoğan, Serdar Can Güven, İsmail Doğan,
 Orhan Küçükşahin, Abdulsamet Erden; Ankara, Türkiye
- 307 Effects of surface treatment methods on shear bond strength of ceramic to cast, milled and laser-sintered titanium frameworks

 Hande Yeşil, Bahadır Ezmek, Cumhur Osman Sipahi; Ankara, Türkiye
- Fabry disease screening in kidney transplant patients: A single-center study in Türkiye Şeyma Meriç Aktaş, Gülay Ulusal Okyay, Tamer Selen, Kadir Gökhan Atılgan, Mehmet Deniz Aylı; Ankara, Türkiye
- 320 The relationship between vitamin D level and echocardiographically detected pulmonary artery stiffness in young adult patients presenting with dyspnea

Hatice Taşkan, Ender Murat, Özkan Eravcı, Mehmet Sadık Karpat, Ozan Köksal, Selen Eski, Farid Baghirov, Senan Allahverdiyev, Murat Çelik; Ankara, Türkiye

CASE REPORT

327 Giant ameloblastoma with intracranial invasion treated with a pure endoscopic approach
Demet Evleksiz, Güzin Deveci, Mehmet Ozan Durmaz, Mehmet Can Ezgü, Ahmet Murat Kutlay; Ankara, Türkiye

INDEX

2022 Referee Index 2022 Author Index 2022 Subject Index