

Official Journal of the Turkish Thoracic Society

ISSUE 4 July 2020 VOLUME

21

# **Original Articles**

Effects of Local Anesthetics in Rat Trachea Ali Onur Erdem et al.; Aydın, Turkey

The Illicit RYO and Waterpipe Tobacco Markets in Turkey Fatih Uznay and Sevtap Gümüş; İzmir, Turkey

Smoking and Hookah Use in Young People Tuğba Göktalay et al.; Manisa, Turkey

Adenoid Epithelium and Allergy Özge Yılmaz et al.; Manisa, İzmir, Turkey

Economic Burden of Pediatric Asthma Bülent Enis Şekerel et al.; Ankara, Turkey

Dynamic Thiol/Disulphide Homeostasis in Lung Cancer Melahat Uzel Şener et al.; Ankara, Turkey

Factors Related to Mortality in Bronchiectasis
Fatma |sil Uzel et al.; İstanbul, Turkey

Self-Management Training in COPD Betül Özdel Öztürk et al.; Bolu, İzmir, Turkey

# Review

# CPAP and Asthma

Habib Mohammad Reazaul Karim et al.; Raipur, India; Murcia, Spain; New York, USA; Palermo, Milan, Rome, Bari, Italy; Katowice, Bydgoszcz, Poland; Golnik, Slovenia; İstanbul, Ankara, Turkey; México City, Mexico; Lasi, Romania; Lisbon, Portugal; Beirut, Lebanon



Official Journal of the Turkish Thoracic Society

ISSUE 4 July 2020 VOLUME

#### **EDITORS**

# Oğuz KILINÇ 🕒

Department of Chest Diseases, Dokuz Eylül University School of Medicine, İzmir, Turkey

# İpek Kıvılcım OĞUZÜLGEN 🕞

Department of Pulmonary Diseases, Gazi University School of Medicine, Ankara, Turkey

#### **ASSOCIATE EDITORS**

# Ufuk ÇAĞIRICI 🗓

Department of Chest Surgery, Ege University School of Medicine, İzmir, Turkey

# Begüm ERGAN 💿

Department of Chest Diseases, Dokuz Eylül University School of Medicine, İzmir, Turkey

# Aslı GÖREK DİLEKTAŞLI 🕒

Department of Chest Diseases, Uludağ University School of Medicine, Bursa, Turkey

# Zuhal KARAKURT (1)

Respiratory Intensive Care Unit, Süreyyapaşa Chest Diseases and Surgery Training and Research Hospital, İstanbul, Turkey

# Zeynep Pınar ÖNEN

Department of Chest Diseases, Ankara University School of Medicine, Ankara, Turkey

# Levla PUR ÖZYİĞİT 💿

Department of Allergy and Immunology, University Hospitals of Leicester, Leicester, United Kingdom

## Özge YILMAZ 🕞

Department of Pediatrics, Celal Bayar University School of Medicine, Manisa, Turkey

# **BIOSTATISTICAL CONSULTANT**

# Ahmet Uğur DEMİR

Department of Chest Diseases, Hacettepe University School of Medicine, Ankara, Turkey

#### **PUBLICATION COORDINATOR**

# Metin AKGÜN

Department of Chest Diseases, Atatürk University School of Medicine, Erzurum, Turkey



Publisher **İbrahim KARA** 

Publication Director Ali ŞAHİN

Editorial Development Gizem KAYAN TEKAÜT

Deputy Publication Director Gökhan ÇİMEN

Publication Coordinators İrem DELİÇAY Arzu YILDIRIM Deniz KAYA Gülnür MERCAN

Bahar ALBAYRAK

Finance and Administration Zeynep YAKIŞIRER ÜREN Betül ÇİMEN Project Coordinators

Doğan ORUÇ

Sinem KOZ

Graphics Department Ünal ÖZER Deniz Elif DURAN Beyzanur KARABULUT Contact

Address: Büyükdere Cad. No: 105/9 34394

Mecidiyeköy, Şişli-İstanbul
Phone: +90 212 217 17 00
Fax: +90 212 217 22 92
E-mail: info@avesyayincilik.com

A-I



Official journal of the Turkish Thoracic Society

#### INTERNATIONAL EDITORIAL BOARD

#### lan M. Adcock

Cell and Molecular Biology Airways Disease Section, National Heart and Lung Institute, Imperial College London, United Kingdom

#### Piergiuseppe Agostoni

Department of Clinical Sciences and Community Health, Cardiovascular Section, Università di Milano, Milano, Italy

## M. Selim Arcasoy

Pulmonary, Allergy, and Critical Care Division, Department of Medicine, Columbia University New York, USA

# Philippe Astoul

Thoracic Oncology - Pleural Diseases -Interventional Pulmonology, Hôpital Nord - Chemin des Bourrely, Marseille, France

# Ülkü Bayındır

Retired Faculty Member, Ege University School of Medicine, İzmir, Turkey

# Dominique MA Bullens

Department of Immunology and Microbiology, KU Leuven Laboratory of Pediatric Immunology Division of Pediatrics, Leuven, Belgium

# Richard Casaburi

Rehabilitation Clinical Trials Center, Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center, Torrance, California, USA

#### Turgay Çelikel

Department of Chest Diseases, Marmara University School of Medicine, İstanbul, Turkey

# Tansu Ulukavak Çiftçi

Department of Chest Diseases, Gazi University School of Medicine, Ankara, Turkey

#### Lütfi Çöplü

Department of Chest Diseases, Hacettepe University School of Medicine, Ankara, Turkey

#### Çağlar Çuhadaroğlu

Acıbadem Maslak Hospital, İstanbul, Turkey

#### Andrew J. Ghio

US Environmental Protection Agency Chapel Hill, North Carolina, USA

#### James E. Hansen

St. John's Cardiovascular Research Center, Los Angeles Biomedical Research Institute at Harbor- University of California at Los Angeles, Torrance, CA, USA

#### İlhan İnci

University Hospital Zurich, Department of Thoracic Surgery, Zurich, Switzerland

#### Oya Itil

Department of Chest Diseases, Dokuz Eylül University School of Medicine, İzmir, Turkey

# A. Fuat Kalyoncu

Department of Chest Diseases, Hacettepe University School of Medicine, Ankara, Turkey

#### Fazilet Karakoc

Department of Child Chest Diseases, Marmara University Pendik Training and Research Hospital, İstanbul, Turkey

#### Ali Kocabaş

Department of Chest Diseases, Çukurova University School of Medicine, Adana, Turkey

# **Emel Kurt**

Department of Chest Diseases, Osmangazi University School of Medicine, Eskişehir, Turkey

# Richard Light

Division of Allergy, Pulmonary, Critical Care, Vanderbilt University Medical Center, Nashville, USA

# Atul Malhotra

Pulmonary and Critical Care, University of California San Diego, La Jolla, California, USA

# Muzaffer Metintaș

Department of Chest Diseases, Osmangazi University School of Medicine, Eskişehir, Turkey

# Zeynep Mısırlıgil

Department of Chest Diseases, Ankara University School of Medicine, Ankara, Turkey



Official journal of the Turkish Thoracic Society

# Nesrin Moğulkoç

Department of Chests Diseases, Ege University School of Medicine, İzmir, Turkey

#### Dilsad Mungan

Department of Chest Diseases, Ankara University School of Medicine, Ankara, Turkey

# Gökhan M. Mutlu

Division of Pediatric Critical Care Medicine, Nortwestern University, Chicago, USA

# Gül Öngen

Department of Chest Surgery, İstanbul University Cerrahpaşa School of Medicine, İstanbul, Turkey

#### Kent E. Pinkerton

University of California, Davis, Center for Health and the Environment, Davis, USA

# Kannan Ramar

Division of Pulmonary and Critical Care Medicine, Center for Sleep Medicine, Mayo Clinic, Rochester, MN, USA

# Joseph Roca

Instituto de Biología Molecular de Barcelona, CSIC, Baldiri Reixac, Barcelona, Spain

#### Israel Rubinstein

Section of Pulmonary, Critical Care, Sleep and Allergy Medicine, Department of Medicine, College of Medicine, University of Illinois at Chicago, Chicago, Illinois, USA

#### Abdullah Sayıner

Department of Chest Diseases, Ege University School of Medicine, İzmir, Turkey

# Z. Toros Selçuk

Department of Chest Diseases, Hacettepe University School of Medicine, Ankara, Turkey

## Nadja Triller

Department of Pulmonary Medicine, University Pulmonary Clinic Golnik, Golnik, Slovenia

# Haluk Türktaş

Department of Chest Diseases, Gazi University School of Medicine, Ankara, Turkey

#### E. Sabri Ucan

Department of Chest Diseases, Dokuz Eylül University School of Medicine, İzmir, Turkey

# Karlman Wasserman

Respiratory and Critical Care Physiology and Medicine, Los Angeles Biomedical Research Institute Harbor-UCLA Medical Center, Torrance, California, USA

# Mark Woodhead

Honorary Clinical Professor of Respiratory Medicine, Department of Respiratory Medicine, Manchester Royal Infirmary, Manchester, England

# **AIMS AND SCOPE**



Turkish Thoracic Journal (Turk Thorac J) is the double-blind, peer-reviewed, open access, international publication organ of Turkish Thoracic Society. The journal is a bimonthly publication, published on January, March, May, July, September, and November and its publication language is English.

Turkish Thoracic Journal started its publication life following the merger of two journals which were published under the titles "Turkish Respiratory Journal" and "Toraks Journal" until 2007. Archives of both journals were passed on to the Turkish Thoracic Journal.

The aim of the journal is to convey scientific developments and to create a dynamic discussion platform about pulmonary diseases. With this intent, the journal accepts articles from all related scientific areas that address adult and pediatric pulmonary diseases, as well as thoracic imaging, environmental and occupational disorders, intensive care, sleep disorders and thoracic surgery. Clinical and research articles, reviews, statements of agreement or disagreement on controversial issues, national and international consensus reports, abstracts and comments of important international articles, interesting case reports, writings related to clinical and practical applications, letters to the editor, and editorials are accepted.

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).

Turkish Thoracic Journal is indexed in PubMed Central, Web of Science - Emerging Sources Citation Index, Scopus, EMBASE, EBSCO, CINAHL, Gale/Cengage Learning, ProQuest, and TUBITAK ULAKBIM TR Index.

Processing and publication are free of charge with the 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 at www.turkthoracj.org. The journal guidelines, technical information, and the required forms are available on the journal's web page.

All expenses of the journal are covered by the Turkish Thoracic Society. 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 Thoracic Society, 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.turkthoracj.org. Turkish Thoracic Society holds the international copyright of all the content published in the journal.

#### **Editors in Chief:**

Oğuz KILINÇ

İpek Kıvılcım OĞUZÜLGEN

Address: Turan Güneş Bulvarı, Koyunlu Sitesi No: 175/19 Oran, Ankara, TURKEY

Phone: +90 (312) 490 40 50 Fax: +90 (312) 490 41 42

E-mail: editorial.office@turkthoracj.org

#### **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: avesyayincilik.com



# **INSTRUCTIONS TO AUTHORS**

Turkish Thoracic Journal (Turk Thorac J) is the double-blind, peer-reviewed, open access, international publication organ of Turkish Thoracic Society. The journal is a bimonthly publication, published on January, March, May, July, September, and November and its publication language is English.

The aim of the journal is to convey scientific developments and to create a dynamic discussion platform about pulmonary diseases. With this intent, the journal accepts articles from all related scientific areas that address adult and pediatric pulmonary diseases, as well as thoracic imaging, environmental and occupational disorders, intensive care, sleep disorders and thoracic surgery. Clinical and research articles, reviews, statements of agreement or disagreement on controversial issues national and international consensus reports, abstracts and comments of important international articles. interesting case reports, writings related to clinical and practical applications, letters to the editor, and editorials are accepted.

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

Originality, high scientific quality, and citation potential are the most important criteria for a manuscript to be accepted for publication. Manuscripts submitted for evaluation should not have been previously presented or already published in an electronic or printed medium. The journal should be informed of manuscripts that have been submitted to another journal for evaluation and rejected for publication. The submission of previous reviewer reports will expedite the evaluation process. Manuscripts that have been presented in a meeting should be submitted with detailed information on the organization, including the name, date, and location of the organization.

Manuscripts submitted to Turkish Thoracic Journal will go through a double-blind peer-review process. Each submission will be reviewed by at least two external, independent peer reviewers who are experts in their fields in order to ensure an unbiased evaluation process. The editorial board will invite an external and independent editor to manage the evaluation processes of manuscripts submitted by editors or

by the editorial board members of the journal. The Editor in Chief is the final authority in the decision-making process for all submissions.

An approval of research protocols by the Ethics Committee in accordance with international agreements (World Medical Association Declaration of Helsinki "Ethical Principles for Medical Research Involving Human Subjects," amended in October 2013, www.wma.net) is required for experimental, clinical, and drug studies and for some case reports. If required, ethics committee reports or an equivalent official document will be requested from the authors. For manuscripts concerning experimental research on humans, a statement should be included that shows that written informed consent of patients and volunteers was obtained following a detailed explanation of the procedures that they may undergo. For studies carried out on animals, the measures taken to prevent pain and suffering of the animals should be stated clearly. Information on patient consent, the name of the ethics committee, and the ethics committee approval number should also be stated in the Materials and Methods section of the manuscript. It is the authors' responsibility to carefully protect the patients' anonymity. For photographs that may reveal the identity of the patients, releases signed by the patient or their legal representative should be enclosed.

All submissions are screened by a similarity detection software (iThenticate by CrossCheck).

In the event of alleged or suspected research misconduct, e.g., plagiarism, citation manipulation, and data falsification/fabrication, the Editorial Board will follow and act in accordance with COPE guidelines.

Each individual listed as an author should fulfil the authorship criteria recommended by the International Committee of Medical Journal Editors

(ICMJE - www.icmje.org). The ICMJE recommends that authorship be based on the following 4 criteria:

- 1 Substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work: AND
- 2 Drafting the work or revising it critically for important intellectual content; AND
- 3 Final approval of the version to be published; AND
- 4 Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

In addition to being accountable for the parts of the work he/she has done, an author should be able to identify which co-authors are responsible for specific other parts of the work. In addition, authors should have confidence in the integrity of the contributions of their co-authors.

All those designated as authors should meet all four criteria for authorship, and all who meet the four criteria should be identified as authors. Those who do not meet all four criteria should be acknowledged in the title page of the manuscript.

Turkish Thoracic Journal requires corresponding authors to submit a signed and scanned version of the Copyright Transfer and Acknowledgement of Authorship Form (available for download through www.turkthoraci.org) during the initial submission process in order to act appropriately on authorship rights and to prevent ghost or honorary authorship. If the editorial board suspects a case of "gift authorship," the submission will be rejected without further review. As part of the submission of the manuscript, the corresponding author should also send a short statement declaring that he/ she accepts to undertake all the responsibility for authorship during the submission and review stages of the manuscript.

Turkish Thoracic Journal requires and encourages the authors and the individuals involved in the evaluation process of submitted manuscripts to disclose any existing or potential conflicts of interests, including financial, consultant, and institutional, that might lead to potential bias or a conflict of interest. Any financial grants or other support received for a submitted study from individuals or institutions should be disclosed to the Editorial Board. To disclose a potential conflict of interest, the ICMJE Potential Conflict of Interest Disclosure Form should be filled in and submitted by all contributing authors. Cases of a potential conflict of interest of the editors, authors, or reviewers are resolved by the journal's Editorial Board within the scope of COPE and ICMJE guidelines.

The Editorial Board of the journal handles all appeal and complaint cases within the scope of COPE guidelines. In such cases, authors should get in direct contact with the editorial office regarding their appeals and complaints. When needed, an ombudsperson may be assigned to resolve cases that cannot be resolved internally. The Editor in Chief is the final authority in the decision-making process for all appeals and complaints.

When submitting a manuscript to Turkish Thoracic Journal, authors accept to assign the copyright of their manuscript to Turkish Thoracic So-



ciety. If rejected for publication, the copyright of the manuscript will be assigned back to the authors. Turkish Thoracic Journal requires each submission to be accompanied by a Copyright Transfer and Acknowledgement of Authorship Form (available for download at www.turkthoracj.org). When using previously published content, including figures, tables, or any other material in both print and electronic formats, authors must obtain permission from the copyright holder. Legal, financial and criminal liabilities in this regard belong to the author(s).

Statements or opinions expressed in the manuscripts published in Turkish Thoracic Journal reflect the views of the author(s) and not the opinions of the editors, the editorial board, or the publisher; the editors, the editorial board, and the publisher disclaim any responsibility or liability for such materials. The final responsibility in regard to the published content rests with the authors.

#### MANUSCRIPT PREPARATION

The manuscripts should be prepared in accordance with ICMJE-Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (updated in December 2019 - http://www.icmje.org/icmjerecommendations.pdf). Authors are required to prepare manuscripts in accordance with the CONSORT guidelines for randomized research studies, STROBE guidelines for observational original research studies, STARD guidelines for studies on diagnostic accuracy, PRISMA guidelines for systematic reviews and meta-analysis, ARRIVE guidelines for experimental animal studies, and TREND guidelines for non-randomized public behaviour.

Manuscripts can only be submitted through the journal's online manuscript submission and evaluation system, available at www.turkthoracj.org. Manuscripts submitted via any other medium will not be evaluated.

Manuscripts submitted to the journal will first go through a technical evaluation process where the editorial office staff will ensure that the manuscript has been prepared and submitted in accordance with the journal's guidelines. Submissions that do not conform to the journal's guidelines will be returned to the submitting author with technical correction requests. Authors are required to submit the following:

Copyright Transfer and Acknowledgement of Authorship Form

 ICMJE Potential Conflict of Interest Disclosure Form (should be filled in by all contributing authors)

during the initial submission. These forms are available for download at www.turkthoracj.org.

#### Preparation of the Manuscript

**Title page:** A separate title page should be submitted with all submissions and this page should include:

- The full title of the manuscript as well as a short title (running head) of no more than 50 characters,
- Name(s), affiliations, highest academic degree(s), e-mail addresses and ORCID ID(s) of the author(s),
- Grant information and detailed information on the other sources of support,
- Name, address, telephone (including the mobile phone number) and fax numbers, and email address of the corresponding author,
- Acknowledgment of the individuals who contributed to the preparation of the manuscript but who do not fulfill the authorship criteria.

Abstract: An English abstract should be submitted with all submissions except for Letters to the Editor. Submitting a Turkish abstract is not compulsory for international authors. The abstract of Original Articles should be structured with subheadings (Objective, Material and Methods, Results, and Conclusion). Please check Table 1 below for word count specifications.

Keywords: Each submission must be accompanied by a minimum of three to a maximum of six keywords for subject indexing at the end of the abstract. The keywords should be listed in full without abbreviations. The keywords should be selected from the National Library of Medicine, Medical Subject Headings database (https://www.nlm.nih.gov/mesh/MBrowser.html).

Main Points: All submissions except letters to the editor should be accompanied by 3 to 5 "main points" which should emphasize the most noteworthy results of the study and underline the principle message that is addressed to the reader. This section should be structured as itemized to give a general overview of the article. Since "Main Points" targeting the experts and specialists of the field, each item should be written as plain and straightforward as possible.

# Manuscript Types

Original Articles: This is the most important

type of article since it provides new information based on original research. The main text of original articles should be structured with Introduction, Material and Methods, Results, and Discussion subheadings. Please check Table 1 for the limitations for Original Articles.

Statistical analysis to support conclusions is usually necessary. Statistical analyses must be conducted in accordance with international statistical reporting standards (Altman DG, Gore SM, Gardner MJ, Pocock SJ. Statistical guidelines for contributors to medical journals. Br Med J 1983: 7; 1489-93). Information on statistical analyses should be provided with a separate subheading under the Materials and Methods section and the statistical software that was used during the process must be specified.

Units should be prepared in accordance with the International System of Units (SI).

Editorial Comments: Editorial comments aim to provide a brief critical commentary by reviewers with expertise or with high reputation in the topic of the research article published in the journal. Authors are selected and invited by the journal to provide such comments. Abstract, Keywords, and Tables, Figures, Images, and other media are not included.

Review Articles: Reviews prepared by authors who have extensive knowledge on a particular field and whose scientific background has been translated into a high volume of publications with a high citation potential are welcomed. These authors may even be invited by the journal. Reviews should describe, discuss, and evaluate the current level of knowledge of a topic in clinical practice and should guide future studies. The main text should contain Introduction, Clinical and Research Consequences, and Conclusion sections. Please check Table 1 for the limitations for Review Articles.

Case Reports: There is limited space for case reports in the journal and reports on rare cases or conditions that constitute challenges in diagnosis and treatment, those offering new therapies or revealing knowledge not included in the literature, and interesting and educative case reports are accepted for publication. The text should include Introduction, Case Presentation, and Discussion subheadings. Please check Table 1 for the limitations for Case Reports.

Table 1. Limitations for each manuscript type

Table 17 Emiliations for each management type										
Type of manuscript	Word limit	Abstract word limit	Reference limit	Table limit	Figure limit					
Original Article	3500	250 (Structured)	35	6	7 or total of 15 images					
Review Article	5000	250	50	6	10 or total of 20 images					
Case Report	1000	200	15	No tables	10 or total of 20 images					
Letter to the Editor	500	No abstract	5	No tables	No media					



Letters to the Editor: This type of manuscript discusses important parts, overlooked aspects, or lacking parts of a previously published article. Articles on subjects within the scope of the journal that might attract the readers' attention, particularly educative cases, may also be submitted in the form of a "Letter to the Editor." Readers can also present their comments on the published manuscripts in the form of a "Letter to the Editor." Abstract, Keywords, and Tables, Figures, Images, and other media should not be included. The text should be unstructured. The manuscript that is being commented on must be properly cited within this manuscript.

#### **Tables**

Tables should be included in the main document, presented after the reference list, and they should be numbered consecutively in the order they are referred to within the main text. A descriptive title must be placed above the tables. Abbreviations used in the tables should be defined below the tables by footnotes (even if they are defined within the main text). Tables should be created using the "insert table" command of the word processing software and they should be arranged clearly to provide easy reading. Data presented in the tables should not be a repetition of the data presented within the main text but should be supporting the main text.

# Figures and Figure Legends

Figures, graphics, and photographs should be submitted as separate files (in TIFF or JPEG format) through the submission system. The files should not be embedded in a Word document or the main document. When there are figure subunits, the subunits should not be merged to form a single image. Each subunit should be submitted separately through the submission system. Images should not be labelled (a, b, c, etc.) to indicate figure subunits. Thick and thin arrows, arrowheads, stars, asterisks, and similar marks can be used on the images to support figure legends. Like the rest of the submission, the figures too should be blind. Any information within the images that may indicate an individual or institution should be blinded. The minimum resolution of each submitted figure should be 300 DPI. To prevent delays in the evaluation process, all submitted figures should be clear in resolution and large in size (minimum dimensions: 100 x 100 mm). Figure legends should be listed at the end of the main document.

All acronyms and abbreviations used in the manuscript should be defined at first use, both in the abstract and in the main text. The abbreviation should be provided in parentheses following the definition.

When a drug, product, hardware, or software program is mentioned within the main text, product information, including the name of the product, the producer of the product, and city and the country of the company (including the state if in USA), should be provided in parenthe-

ses in the following format: "Discovery St PET/CT scanner (General Electric, Milwaukee, WI, USA)"

All references, tables, and figures should be referred to within the main text, and they should be numbered consecutively in the order they are referred to within the main text.

Limitations, drawbacks, and the shortcomings of original articles should be mentioned in the Discussion section before the conclusion paragraph.

#### References

While citing publications, preference should be given to the latest, most up-to-date publications. Authors should avoid using references that are older than ten years. The limit for the old reference usage is 15% in the journal. If an ahead-of-print publication is cited, the DOI number should be provided. Authors are responsible for the accuracy of references. Journal titles should be abbreviated in accordance with the journal abbreviations in Index Medicus/ MEDLINE/PubMed. When there are three or fewer authors, all authors should be listed. If there are four or more authors, the first three authors should be listed followed by "et al." In the main text of the manuscript, references should be cited using Arabic numbers in parentheses. The reference styles for different types of publications are presented in the following examples.

**Journal Article:** Rankovic A, Rancic N, Jovanovic M, et al. Impact of imaging diagnostics on the budget - Are we spending too much? Vojnosanit Pregl 2013;70:709-11.

**Book Section:** Suh KN, Keystone JS. Malaria and babesiosis. Gorbach SL, Barlett JG, Blacklow NR, editors. Infectious Diseases. Philadelphia: Lippincott Williams; 2004.p.2290-308.

Books with a Single Author: Sweetman SC. Martindale the Complete Drug Reference. 34th ed. London: Pharmaceutical Press; 2005.

Editor(s) as Author: Huizing EH, de Groot JAM, editors. Functional reconstructive nasal surgery. Stuttgart-New York: Thieme; 2003.

Conference Proceedings: Bengisson S. Sothemin BG. Enforcement of data protection, privacy and security in medical informatics. In: Lun KC, Degoulet P, Piemme TE, Rienhoff O, editors. MEDINFO 92. Proceedings of the 7th World Congress on Medical Informatics; 1992 Sept 6-10; Geneva, Switzerland. Amsterdam: North-Holland; 1992. pp.1561-5.

Scientific or Technical Report: Cusick M, Chew EY, Hoogwerf B, Agrón E, Wu L, Lindley A, et al. Early Treatment Diabetic Retinopathy Study Research Group. Risk factors for renal replacement therapy in the Early Treatment Diabetic Retinopathy Study (ETDRS), Early Treatment Diabetic Retinopathy Study Kidney Int: 2004. Report No: 26.

Thesis: Yılmaz B. Ankara Üniversitesindeki Öğrencilerin Beslenme Durumları, Fiziksel Aktiviteleri ve Beden Kitle İndeksleri Kan Lipidleri Arasındaki İlişkiler. H.Ü. Sağlık Bilimleri Enstitüsü, Doktora Tezi. 2007.

Manuscripts Accepted for Publication, Not Published Yet: Slots J. The microflora of black stain on human primary teeth. Scand J Dent Res. 1974.

**Epub Ahead of Print Articles:** Cai L, Yeh BM, Westphalen AC, Roberts JP, Wang ZJ. Adult living donor liver imaging. Diagn Interv Radiol. 2016 Feb 24. doi: 10.5152/dir.2016.15323. [Epub ahead of print].

Manuscripts Published in Electronic Format: Morse SS. Factors in the emergence of infectious diseases. Emerg Infect Dis (serial online) 1995 Jan-Mar (cited 1996 June 5): 1(1): (24 screens). Available from: URL: http://www.cdc.gov/ncidodIEID/cid.htm.

#### **REVISIONS**

When submitting a revised version of a paper, the author must submit a detailed "Response to the reviewers" that states point by point how each issue raised by the reviewers has been covered and where it can be found (each reviewer's comment, followed by the author's reply and line numbers where the changes have been made) as well as an annotated copy of the main document. Revised manuscripts must be submitted within 30 days from the date of the decision letter. If the revised version of the manuscript is not submitted within the allocated time, the revision option may be cancelled. If the submitting author(s) believe that additional time is required, they should request this extension before the initial 30-day period is over.

Accepted manuscripts are copy-edited for grammar, punctuation, and format. Once the publication process of a manuscript is completed, it is published online on the journal's webpage as an ahead-of-print publication before it is included in its scheduled issue. A PDF proof of the accepted manuscript is sent to the corresponding author and their publication approval is requested within 2 days of their receipt of the proof.

#### **Editors in Chief:**

Oğuz KILINÇ İpek Kıvılcım OĞUZÜLGEN Address: Turan Güneş Bulvarı, Koyunlu Sitesi No: 175/19 Oran, Ankara, TURKEY Phone: +90 (312) 490 40 50 Fax: +90 (312) 490 41 42 E-mail: editorial.office@turkthoracj.org

#### **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 www.avesyayincilik.com

# **CONTENTS**



O.:		1	Α.		-1	
Ori	qı	nal	Al	rτı	C	ıes

- Effects of Local Anesthetics on Smooth Muscle Tissue in Rat Trachea: An *In Vitro* Study Ali Onur Erdem, Varlık K. Erel, Özlem Girit, Hasan Erdoğan, Sezen Özkısacık, Mesut Yazıcı; Aydın, Turkey
- The Underminers: Booming Illicit Trade of Roll Your Own and Waterpipe Tobacco in Turkey Fatih Uznay, Sevtap Gümüş; İzmir, Turkey
- Use of Tobacco Products in Turkish Children and Young People: Is there an Alarm for Hookah Use? Tuğba Göktalay, Ayşın Şakar Coşkun, Yavuz Havlucu, Gönül Dinç Horasan; Manisa, Turkey
- 242 Significant Changes in Trans-Epithelial Barrier Proteins of Adenoid Tissue with Atopic Status in Children Özge Yılmaz, Yurda Şimşek, Sevinç İnan, Özlem Buga, Görkem Eskiizmir, Ercan Pınar, Esra Kanık, Hasan Yüksel; Manisa, İzmir, Turkey
- **248** Economic Burden of Pediatric Asthma in Turkey: A Cost of Illness Study from Payer Perspective Bülent Enis Şekerel, Haluk Türktaş, Sevim Bavbek, Ergün Öksuz, Simten Malhan; Ankara, Turkey
- Evaluation of Thiol/Disulfide Homeostasis in Lung Cancer
  Melahat Uzel Şener, Özlem Sönmez, İhsan Atila Keyf, Özcan Erel, Murat Alışık, Sertan Bulut, Yurdanur Erdoğan; Ankara, Turkey
- Managing Bronchiectasis: 13 Years of Experience from Sputum to Lung Transplantation Fatma Işıl Uzel, Sedat Altın, Esin Yentürk, Burak Uzel, Ali Cevat Kutluk, Esin Tuncay; İstanbul, Turkey
- Self-Management Training in Chronic Obstructive Lung Disease Improves the Quality of Life Betül Özdel Öztürk, Aylın Özgen Alpaydın, Sevgi Özalevli, Nurcan Güler, Can Cimilli; Bolu, İzmir, Turkey

## Review

Continuous Positive Airway Pressure (CPAP) in Non-Apneic Asthma: A Clinical Review of Current Evidence Habib Mohammad Reazaul Karim, Antonio M. Esquinas, Sally Ziatabar, Giuseppe Insalaco, Szymon Skoczyński, Irena Šarc, Luigi Ferini-Strambi, Leyla Pur Özyiğit, Thierry Hernández-Gilsoul, Subrata Kumar Singha, Laura Ciobanu, José Luis Sandoval Gutiérrez, Zbigniew Szkulmowski, Edoardo Piervincenzi, Margarida Aguiar, Mohamad F. El-Khatib, Nadia Corcione, Aslıhan Gürün Kaya, Aydın Çiledağ, Akın Kaya, Gabriele Valli, Paola Pierucci, Onofrio Resta, Paschalis Steiropoulos, Francesca De Marco, Vania Caldeira, Bushra A. Mina; Raipur, India; Murcia, Spain; New York, USA; Palermo, Milan, Rome, Bari, Italy; Katowice, Bydgoszcz, Poland; Golnik, Slovenia; İstanbul, Ankara, Turkey; México City, Mexico; Lasi, Romania; Lisbon, Portugal; Beirut, Lebanon

# **Case Report**

280 Immunoglobulin G4 Related Lung Disease Ekrem Cengiz Seyhan, Mehmet Akif Özgül, Efsun Uğur, Demet Turan, Nur Ürer; İstanbul, Turkey



# **Editorial Comment**

Treatment of Severe Acute Respiratory Syndrome Coronavirus 2: It Is Time to Produce Our Own Evidence Base

Abdullah Sayıner; İzmir, Turkey

# Letters to the Editor

- Ramadan and COVID-19: A Challenge amongst Challenges Shahir Asfahan, Gopal Chawla, Naveen Dutt; Jodhpur, India
- Pulmonary Embolism in Covid-19: Coagulation Parameters, Close Monitoring to Prevent?

  Anna Annunziata, Pasquale Imitazione, Giorgio Emanuele Polistina, Maurizia Lanza, Antonietta Coppola, Giuseppe Fiorentino;

  Naples, Italy
- Acute Respiratory Failure in COVID-19 Pneumoniae: The Best Interface for an Optimal Management A South Italian Experience
  Pasquale Imitazione, Giorgio Emanuele Polistina, Anna Annunziata, Valentina Di Spirito, Maurizia Lanza, Giuseppe Fiorentino; Naples, Italy
- **291** Rethinking the First COVID-19 Death in Turkey Nilüfer Aykaç, Yeşim Yasin; İstanbul, Turkey