

EISSN 2979-9139



Official Journal of
TURKISH
THORACIC SOCIETY

Thoracic

Research & Practice

Formerly Turkish Thoracic Journal



Thoracic Research & Practice

Official Journal of the Turkish Thoracic Society

EDITORS in CHIEF

Metin AKGÜN 

Ağrı İbrahim Çeçen University Faculty of Medicine, Department of Pulmonary Medicine, Ağrı, Türkiye

Begüm ERGAN 

Department of Chest Diseases, Dokuz Eylül University Faculty of Medicine, İzmir, Türkiye

EDITORS

Alphabetically in order:

Aylin ÖZGEN ALPAYDIN 

Department of Chest Diseases, Dokuz Eylül University Faculty of Medicine, İzmir, Türkiye

Buğra KERGET 

Department of Chest Diseases, Aksaray University Faculty of Medicine, Aksaray, Türkiye

Canan GÜNDÜZ GÜRKAN 

Department of Chest Diseases, İstanbul Medipol University; Türkiye Hospital, İstanbul, Türkiye

Cüneyt SALTÜRK 

Department of Chest Diseases, İstanbul Medipol University, İstanbul, Türkiye

Ebru DAMADOĞLU 

Department of Chest Diseases, Hacettepe University Faculty of Medicine, Ankara, Türkiye

Ege GÜLEÇ BALBAY 

Department of Chest Diseases, Düzce University Faculty of Medicine, Düzce, Türkiye

İlknur BAŞYİĞİT 

Department of Chest Diseases, Kocaeli University Faculty of Medicine, Kocaeli, Türkiye

İpek ÇAYLI CANDEMİR 

Department of Chest Diseases, Atatürk Chest Diseases and Surgery Training and Research Hospital, Ankara, Türkiye

Nagehan EMİRALİOĞLU ORDUKAYA 

Department of Pediatric Pulmonology, Hacettepe University Faculty of Medicine, Ankara, Türkiye

Necati ÇITAK 

Department of Thoracic Surgery, University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, İstanbul, Türkiye

Özlem KAR KURT 

Department of Occupational Medicine, Yedikule Chest Diseases and Thoracic Surgery Training and Research Hospital, İstanbul, Türkiye

Refika ERSU 

Department of Pediatrics, Division of Respiratory, Children's Hospital of Eastern Ontario (CHEO), University of Ottawa, Ottawa, Ontario, Canada

Tamer ALTINOK 

Department of Chest Diseases, Necmettin Erbakan University Faculty of Medicine, Konya, Türkiye

Tuncay GÖKSEL 

Department of Pulmonary Medicine, Ege University Faculty of Medicine, İzmir, Türkiye
Department of Translational Pulmonology, Ege University Institute of Health Sciences, İzmir, Türkiye

BIostatistical CONSULTANT

Ahmet Uğur DEMİR 

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

Seval KUL 

Department of Biostatistics and Medical Informatics, Gaziantep University School of Medicine, Gaziantep, Türkiye

PUBLICATION COORDINATOR

Oğuz KILINÇ 

İzmir University of Economics, School of Medicine, İzmir, Türkiye



Publisher Contact

Address: Molla Gürani Mah. Kaçamak Sk.

No: 21/1 34093 İstanbul, Türkiye

Phone: +90 (530) 177 30 97

E-mail: info@galenos.com.tr Web: www.galenos.com.tr

Publisher Certificate Number: 14521

Online Publication Date: July 2026

E-ISSN: 2979-9139

International scientific journal published bimonthly.



Thoracic Research & Practice

Official Journal of the Turkish Thoracic Society

EDITORIAL BOARD

A. Fuat Kalyoncu

Department of Chest Diseases, Hacettepe University
Faculty of Medicine, Ankara, Türkiye

Arzu Yorgancıoğlu

Department of Chest Diseases, Manisa Celal Bayar
University Faculty of Medicine, Manisa, Türkiye

Aslı Görek Dilektaşlı

Department of Chest Diseases, Bursa Uludağ University
Faculty of Medicine, Bursa, Türkiye

Benoit Nemery

Department of Public Health and Primary Care, Centre
for Environment and Health, KU Leuven Faculty of
Medicine, Leuven, Belgium

David Koh

Saw Swee Hock School of Public Health, National
University of Singapore, Singapore; University of
Occupational and Environmental Health, Kitakyushu,
Japan

Eyüp Sabri Uçan

Department of Chest Diseases, Dokuz Eylül University
Faculty of Medicine, İzmir, Türkiye

Hasan Bayram

University Research Center for Translational Medicine
(KUTTAM), Koç University Faculty of Medicine;
Department of Pulmonary Medicine, Koç University
Faculty of Medicine, İstanbul, Türkiye

İpek Kılıncım Oğuzülgen

Department of Pulmonary Diseases, Gazi University
Faculty of Medicine, Ankara, Türkiye

Joao Winck

Cardiovascular R&D Centre, Faculdade de Medicina da
Universidade do Porto, Portugal

Kent E. Pinkerton

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

Lara Pisani

Respiratory and Critical Care Unit, IRCCS Azienda
Ospedaliero-Universitaria di Bologna; Alma Mater
Studiorum, Department of Medical and Surgical
Sciences (DIMEC), University of Bologna, Bologna, Italy

Leyla Pur Özyiğit

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

Nurdan Köktürk

Department of Chest Diseases, Gazi University Faculty
of Medicine, Ankara, Türkiye

Özge Yılmaz

Department of Pediatrics, Celal Bayar University Faculty
of Medicine, Manisa, Türkiye

Richard Casaburi

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

Ufuk Çağırıcı

Department of Chest Surgery, Ege University Faculty of
Medicine, İzmir, Türkiye

Zuhal Karakurt

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



Thoracic Research & Practice

Official Journal of the Turkish Thoracic Society

ABOUT

About the Thoracic Research and Practice

Thoracic Research and Practice is a peer reviewed, open access, online-only journal published by the Turkish Thoracic Society.

Thoracic Research and Practice is a bimonthly journal that is published in English in January, March, May, July, September, and November.

Journal History

Thoracic Research and Practice started its publication life following the merger of two journals which were published under the titles "Turkish Respiratory Journal" and "Toraks Journal" until 2008. From 2008 to 2022, the journal was published under the title "Turkish Thoracic Journal". Archives of the journals were transferred to Thoracic Research and Practice.

Abstracting and Indexing

Thoracic Research and Practice is covered in the following abstracting and indexing databases; PubMed Central, Web of Science - Emerging Sources Citation Index, Scopus, EMBASE, EBSCO, CINAHL, Gale/Cengage Learning, ProQuest, DOAJ, CNKI, TUBITAK ULAKBIM TR Index.

Aims, Scope, and Audience

Thoracic Research and Practice aims to publish studies of the highest scientific and clinical value, and encourages the submission of high-quality research that advances the understanding and treatment of pulmonary diseases.

Thoracic Research and Practice covers a wide range of topics related to adult and pediatric pulmonary diseases, as well as thoracic imaging, environmental and occupational disorders, intensive care, sleep disorders and thoracic surgery, including diagnostic methods, treatment techniques, and prevention strategies. The journal is interested in publishing original research that addresses important clinical questions and advances the understanding and treatment of these conditions. This may include studies on the effectiveness of different treatments, new diagnostic tools or techniques, and novel approaches to preventing or managing pulmonary diseases.

Thoracic Research and Practice publishes clinical and basic research articles, reviews, statements of agreement or disagreement on controversial issues, national and international consensus reports, systematic reviews and meta-analyses, letters to the editor and editorials. Conference proceedings may also be considered for publication.

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

Open Access Policy

Thoracic Research and Practice is an open access publication.

Starting on January 2022 issue, all content published in the journal is licensed under the Creative Commons Attribution-NonCommercial (CC BY-NC) 4.0 International License which allows third parties to use the content for non-commercial purposes as long as they give credit to the original work. This license allows for the content to be shared and adapted for non-commercial purposes, promoting the dissemination and use of the research published in the journal.

The content published before January 2022 was licensed under a traditional copyright, but the archive is still available for free access.

All published content is available online, free of charge at thoracrespract.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).



Thoracic Research & Practice

Official Journal of the Turkish Thoracic Society

Copyright Policy

A Copyright Agreement and Acknowledgement of Authorship form should be submitted with all manuscripts. By signing this form, authors transfer the copyright of their work to the Turkish Thoracic Society and agree that the article, if accepted for publication by the Thoracic Research and Practice will be licensed under a Creative Commons Attribution-Non Commercial 4.0 International License (CC BY-NC 4.0) which permits third parties to share and adapt the content for non-commercial purposes by giving the appropriate credit to the original work.

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).

Authors retain the copyright of their published work in the Thoracic Research and Practice.

Publication Fee Policy

Thoracic Research and Practice is funded by the Turkish Thoracic Society. Authors are not required to pay any fees during the evaluation and publication process.

You can find the current version of the Instructions to Authors at <https://thoracrespract.org/instructions-to-authors>.



Thoracic Research & Practice

Official Journal of the Turkish Thoracic Society

CONTENTS

EDITORIAL

198 Artificial Intelligence and Accountability in Scientific Writing: The Author's Responsibility

Metin Akgün; Editor-in-Chief, Thoracic Research and Practice; Ağrı, Türkiye

ORIGINAL ARTICLES

200 Diagnostic Value of Non-contrast Lung CT in Evaluating Pulmonary Cavitary Lesions in Children and Adolescents: With a Specific Focus in Perforated Hydatid Cyst, Necrotizing Pneumonia, and Lung Abscess

Shokrollah Hafez Eftekhari, Anahita Azinfar, Masoud Mahdavi Rashed, Mahdi Abdollahi Karizno; Mashhad, Iran

207 Correlation of COVID-19 Mortality with Socioeconomic Status, Air Quality, and Housing Density

Elif Reyhan Şahin, Ömür Güngör, Ahmet Uğur Demir, Ali Fuat Kalyoncu; Erzurum, Adana, Ankara, Türkiye

215 Emphysema or Bronchiectasis with Pulmonary Nodules: Impact on The Risk of Malignancy

Ayşegül Gencer, Ersan Atahan, Bilun Gemicioğlu, Şermin Börekçi, Buket Çalışkaner Öztürk; İstanbul, Türkiye

222 Endobronchial Ultrasonography (EBUS) with Lymph Node Aspiration: On-site Evaluation and Final Pathology Correlation

Ferhan Karataş, Makbule Çisel Aydın Meriçöz, Işıl Uzel, Tuğçe Yakut, Emine Karabul, Öner Dikensoy; İstanbul, Türkiye

229 CT Histogram Analysis for Predicting Malignancy in Anterior Mediastinal Masses

Nilay Çavuşoğlu Yalçın, Mustafa Yalçın, Okan Karataş; Antalya, Türkiye

235 Not All Corridors are Equal: Corridor Length Affects 6-minute Walk Test Performance—A Randomized Crossover Trial

Melissa Köprülüoğlu, Elvan Felekoğlu, Büşra Türk, İlknur Naz; İzmir, Türkiye

241 Use of Impulse Oscillometry in Patients with Chronic Obstructive Pulmonary Disease

Burcu Öztürk Şahin, Nurdan Köktürk; Ankara, Türkiye

REVIEW

250 Working in Extreme Heat, an Invisible Occupational Risk: Legislation, Risk Management and Policy Recommendations for Türkiye: Turkish Thoracic Society Workshop Report on the Regulation of Working Conditions in Extreme Heat

Sebahat Genç, Selin Çakmakçı Karakaya, Sabri Serhan Olcay, Mikdat Kadioğlu, İstemi Ceysu Dinç Ütükler; Muğla, Ankara, İstanbul, Yozgat, Türkiye



Thoracic Research & Practice

Official Journal of the Turkish Thoracic Society

LETTERS TO THE EDITORS

261 Secondary Pulmonary Alveolar Proteinosis Following Brief Toxic Gas Inhalation: A Case Report

Ali Usman Arif, Mehwish Aslam, Moiz Salahuddin, Muhammad Irfan, Muhammad Usman Ghani, Akbar Shoukat Ali, Hania Naveed, Tehreem Khan; Karachi, Pakistan

264 Letter to the Editor: Free Large Language Model-based Chatbots Can Help to Align Statistical Tests with the Study Design and Avoid Pseudo-replication

Konradin Metze, Cauê Sousa da Silva, Irene Lorand-Metze, Amilcar Castro de Mattos; São Paulo, Brazil

266 Reply Letter to the Editor: Free Large Language Model-based Chatbots Can Help to Align Statistical Tests with the Study Design and Avoid Pseudo-replication

Ömer F. Karakoyun, Halil E. Koyuncuoğlu, Ömer H. Sağnıç, Mehmed E. Özdemir, Yalçın Gölcük, Birdal Yıldırım; Muğla, Isparta, Türkiye

268 ERRATUM