



EISSN: 2757-6256



Turkish Archives of Pediatrics



Volume 58
Issue 3
May 2023

Editor-in Chief

Özgür Kasapoğlu 

Department of Pediatric Rheumatology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Deputy Editors

Nur Canpolat 

Department of Pediatric Nephrology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Ayşe Çiğdem Aktuğlu Zeybek 

Department of Pediatric Nutrition and Metabolism, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Managing Editor

Ayça Kıyıkım 

Department of Pediatric Allergy and Immunology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Associate Editors

Yelda Bilginer 

Department of Paediatric Rheumatology, Hacettepe University Faculty of Medicine, Ankara, Turkey

Ömer Erdeve 

Department of Pediatric Neonatology, Ankara University Faculty of Medicine, Ankara, Turkey

Olca Evliyaoğlu 

Department of Pediatric Endocrinology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Bülent Kara 

Department of Pediatric Neurology, Kocaeli University Faculty of Medicine, Kocaeli, Turkey

Ertuğrul Kıyıkım 

Department of Pediatric Nutrition and Metabolism, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Kenan Barut 

Department of Pediatric Rheumatology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Ömer Faruk Beşer 

Department of Pediatric Gastroenterology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey


Soner Sertan Kara 

Adnan Menderes University Faculty of Medicine, Aydın, Turkey

Editorial Assistant

Amra Adroviç 

Department of Pediatric Rheumatology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Sezgin Şahin 

Department of Pediatric Rheumatology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Süheyla Ocak 

Department of Pediatric Hematology and Oncology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Tanyel Zubarioğlu 

Department of Pediatric Nutrition and Metabolism, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Social Media Editors

Seha Saygılı 

Department of Pediatric Nephrology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Mehmet Yıldız 

Department of Pediatric Rheumatology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Statistical Editors

Ethem Erginöz 

Department of Public Health, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Statistical Editors Assistant

Hazal Cansu Acar 


Department of Public Health, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Büşra Kara 


Department of Public Health, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Esin Siddıkoğlu 

Department of Public Health, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Sümeyye Nur Aydın 

Department of Public Health, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Kevser Sak 

Department of Public Health, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Abdulkemim Uygur 

Department of Public Health, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Editorial Board

Cezmi A. Akdiş

University of Zurich, Swiss Institute of Allergy and Asthma Research, Davos, Switzerland

Moshe Arditi

Cedars-Sinai Medical Center, Los Angeles, USA

Zehra Aycan

Yıldırım Beyazıt University Faculty of Medicine, Ankara, Turkey

Deniz Aygün

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Aysun Karabay Bayazıt

Çukurova University Faculty of Medicine, Adana, Turkey

Perran Boran

Marmara University Faculty of Medicine, İstanbul, Turkey

Cengiz Candan

İstanbul Medeniyet University Göztepe Training and Research Hospital, İstanbul, Turkey

Salim Çalışkan

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Ergin Çiftçi

Ankara University Faculty of Medicine, Ankara, Turkey

Onur Çil

University of California, San Francisco, USA

Founder

İbrahim Kara

General Manager

Ali Şahin

Finance Coordinator

Elif Yıldız Celik

Journal Managers

İrem Soysal

Bahar Albayrak

Deniz Kaya

İrmak Berberoğlu

Publications Coordinators

Gökhan Cimen

Arzu Arı

Alara Ergin

Hira Gizem Fidan

İrem Özmen

Project Coordinators

Doğan Oruc

Sinem Fehime Koz

Contact

Address: Büyükdere Cad.,

105/9 34394 Mecidiyeköy,

Şişli, İstanbul, Turkey

Phone: +90 212 217 17 00

E-mail: info@avesyayincilik.com

Reyhan Dedeoğlu

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Demet Demirkol

İstanbul University İstanbul Faculty of Medicine, İstanbul, Turkey

Orhan Derman

Hacettepe University Faculty of Medicine, Ankara, Turkey

Yaşar Doğan

Fırat University Faculty of Medicine, Elazığ, Turkey

Gizem Durcan

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Jochen H. Ehrich

Hannover Medical School Children's Hospital, Hannover, Germany

Tuğba Erener Ercan

Maltepe University Faculty of Medicine, İstanbul, Turkey

Can Fıçıcıoğlu

Harvard Medical School and Children's Hospital Boston, Boston, USA

Andreas Gerber-Grote

Zurich University of Applied Sciences, School of HealthProfessions, Winterthur, Switzerland

Ida Giardino

Foggia University, Department of Clinical and Experimental Medicine, Medical Laboratory, Research Center, Foggia, Italy

Emel Gür

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Olivier Goulet

Hôpital Necker-Enfants Malades, Paris, France

Şükrü Hatun

Koç University Faculty of Medicine, İstanbul, Turkey

Hilary Hoey

The University of Dublin Trinity College, Dublin, Ireland

Rejin Kebudi

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Ayşe Ayzıt Kılıç

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Berthold Koletzko

Münih Ludwig-Maximilians University, Dr. Von Hauner Children's Hospital, Munich, Germany

Korgun Koral

The University of Texas Southwestern Medical School, USA

Massimo Pettoello-Mantovani

University of Foggia, Pediatric Research Center, Foggia, Italy

Tudor Lucian Pop

University of Medicine and Pharmacy Iuliu Hatieganu Cluj-Napoca

Levent Midyat

Boston Children's Hospital Boston, MA, USA

Manuel Moya

Pediatric Department at the University Miguel Hernandez in Alicante, Spain

Leyla Seymurovna Namazova-Baranova

Federal State Budgetary Institution, Scientific Centre of Children's Health, Moscow, Russia

Fatih Özalpın

Hacettepe University Faculty of Medicine, Ankara, Turkey

Ahmet Oğuzhan Özen

Marmara University Faculty of Medicine, İstanbul, Turkey

Seza Özen

Hacettepe University Faculty of Medicine, Ankara, Turkey

Funda Öztunç

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Luis Rajmil

Pediatrician and Epidemiology and Public Health Specialist, Barcelona, Spain

Nima Rezaei

Tehran University of Medical Sciences, Tehran, Iran

Nigar Sadiyeva

Azerbaijan Medical University, Azerbaijan

Şenay Savaş Erdeve

Dr. Sami Ulus Obstetrics and Gynecology and Pediatrics Training and Research Hospital, Ankara, Turkey

Eylem Ulaş Saz

Ege University Faculty of Medicine, İzmir, Turkey

Lale Sever

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Eli Somekh

Tel-Aviv University, Sackler Faculty of Medicine, Tel-Aviv, Israel; Wolfson Medical Center, Holon, Israel

Velat Şen

Dicle University Faculty of Medicine, Diyarbakır, Turkey

Ela Tarakçı

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

Orhan Uzun

Cardiff University, Cardiff, United Kingdom

Emin Ünüvar

Okan University Hospital, İstanbul, Turkey

Francesco Zulian

University of Padua, Padua, Italy

Osman Bülent Zülfikar

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

AIMS AND SCOPE

Turkish Archives of Pediatrics (Turk Arch Pediatr) is a 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 Pediatrics Association, and it is published bimonthly in January, March, May, July, September, and November. The publication language of the journal is English.

Turkish Archives of Pediatrics aims to contribute to international literature by publishing high-quality research papers and letters to the editor in the field of pediatrics. Review articles can only be prepared by academics upon invitation. The journal's target audience includes academics and expert physicians working in pediatrics and other relevant specialists.

Turkish Archives of Pediatrics is currently indexed in Web of Science- Emerging Sources Citation Index, PubMed, Scopus, Embase, EBSCO, Gale, CINAHL, 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).

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.turkarchpediatr.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 Pediatric Association. 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 Pediatric Association, editors, editorial board, and/or publisher; the editors, editorial board, and publisher disclaim any responsibility or liability for such materials.

Turkish Archives of Pediatrics is an open access publication, and the journal's publication model is based on Budapest Open Access Initiative (BOAI) declaration. All published content is available online, free of charge at www.turkarchpediatr.org. Authors retain the copyright of their published work in the Turkish Archives of Pediatrics. The journal's content is licensed under a Creative Commons Attribution-NonCommercial (CC BY-NC) 4.0 International License which permits third parties to share and adapt the content by giving the appropriate credit to the original work for noncommercial purposes.

You can find the current version of the Instructions to Authors at <https://turkarchpediatr.org/EN>.

Editor in Chief: Özgür Kasapçopur

Address: Department of Pediatric Rheumatology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Phone: +90 212 632 86 33

Fax: +90 212 632 86 33

E-mail: info@turkarchpediatr.com

Publisher: AVES

Address: Büyükdere Cad. 105/9 34394 Mecidiyeköy, Şişli, İstanbul, Turkey

Phone: +90 212 217 17 00

E-mail: info@avesyayincilik.com

Web page: www.avesyayincilik.com

CONTENTS

Editorial

- 239 Being a Young Physician During COVID-19 Pandemic
Berrak Öztosun

Review

- 241 Circulating Cell-Free Tumor Deoxyribonucleic Acid Analysis as a Tool for the Diagnosis and Monitoring of Pediatric Solid Tumors
Luca Zaninović, Marko Bašković, Ana Katušić Bojanac, Davor Ježek

Original Articles

- 250 Association Between Vitamin D Levels and COVID-19 Infection in Children: A Case-Control Study
Harun Bayrak, Didem Öztürk, Ahmet Bolat, Bülent Unay
- 256 The Factors Affecting the Postnatal Bonding of Mothers Whose Babies were Admitted to the Neonatal Intensive Care Unit During the COVID-19 Pandemic
Sinem Gülcan Kersin, Ahmet Topuzoğlu, Hülya Selva Bilgen, Eren Özek
- 262 COVID-19 and Vaccination Status in Lysosomal Storage Diseases: A Single-Center Experience
Merve Yıldız Çelik, Ebru Canda, Havva Yazıcı, Fehime Erdem, Pinar Yazıcı Özkaya, Zümrüt Bal Sahbudak, Sema Kalkan Uçar, Mahmut Çoker
- 268 Childhood Poisoning During the COVID-19 Pandemic
Hakan Salman, Zeliha Salman, Mustafa Akçam
- 274 The Effects of Exercise Training on Physical Activity Level, Daily Living Activities, and Participation in Children with Hemophilia
Canan Atay, Ela Tarakcı, Ipek Yeldan, Bülent Zulfikar
- 282 How to Decide Oxygen Therapy in Childhood Carbon Monoxide Poisoning?
Metin Uysalol, Sühelya Gümüş, Raif Yıldız
- 289 Neonatal Resuscitation Practices in Turkey: A Survey of the Turkish Neonatal Society and the Union of European Neonatal and Perinatal Societies
Emel Okulu, Esin Koç, Ömer Erdeve, Arzu Akdağ, Selma Aktaş, Özge Aydemir, Canan Aygün, Bilge Tanyeri Bayraktar, Burcu Cebeci, Hasan Tolga Çelik, Kıymet Çelik, Defne Engür, Sabahattin Ertuğrul, Nurdan Dinlen Fettah, Nazlı Dilay Gültekin, Zatiğül Şafak Taviloğlu Güçyetmez, Pelin Gülen, İbrahim Murat Hırfanoğlu, Zeynep Ince, Şebnem Kader, Dilek Kahvecioğlu, Mehmet Kenan Kanburoğlu, Belma Saygılı Karagöl, İlknur Kılıç, Özge Alfun Koroğlu, Nuriye Aslı Melekoğlu, Fatma Narter, Özgür Olukman, Hakan Öngün, Fahri Ovalı, Esra Arun Özer, Elif Özyazıcı Özkan, Dilek Yavuzcan Öztürk, Ebru Özudoğlu, Dilek Sarıcı, Mehmet Satar, Şahin Takçı, Sema Tanrıverdi, Erdal Taşkın, Cüneyt Tayman, Kadir Şerafettin Tekgündüz, Gaffari Tunç, Münevver Kaynak Türkmen, Funda Tüzün, Sinan Uslu, Sezin Unal, Zeynep Alp Ünkar, Akan Yaman, Beril Yaşa, Şükran Yıldırım, Aslan Yılmaz, Fatma Hilal Yılmaz, Ebru Yücesoy
- 298 The Protective Effects of Pyridoxine on Linezolid-Induced Hematological Toxicity, Hepatotoxicity, and Oxidative Stress in Rats
Yasemin Kendir-Demirkol, Laura A. Jenny, Aykut Demirkol, Metahan Özen, Ali Ayata, Duran Canatan
- 302 Evaluation of Patients with Acute Respiratory Distress Syndrome Followed on Mechanical Ventilator in a Tertiary Pediatric Intensive Care and the Factors That May Be Associated with Death in These Patients
Mehmet Geyik, Çapan Konca, Mehmet Tekin
- 308 Long-Term Endocrinologic Follow-Up of Children with Brain Tumors and Comparison of Growth Hormone Therapy Outcomes: A Single-Center Experience
Zehra Yavaş Abalı, Ayşe Pinar Öztürk, Firdevs Baş, Şükran Poyrazoğlu, Neşe Akcan, Rejin Kebudi, Ayça İribaş Çelik, Rüveyde Bundak, Feyza Darendeliler
- 314 Clinical Characteristics and Treatment Outcomes of Children with Primary Osteoporosis
Sirmen Kızılcan Çetin, Zeynep Şıklar, Zehra Aycan, Elif Özsu, Ayşegül Çeran, Gizem Şenyazar, Seda Erişen Karaca, Merih Berberoğlu
- 322 The Effectiveness of Thyroid Elastography in Evaluating Thyroiditis in Children with Type 1 Diabetes
Serkan Bilge Koca, Turgut Seber
- 328 Predictive Value of Complete Blood Count, Venous Blood Gas Measurements, and Glucose/Potassium Ratio for Delayed Neuropsychiatric Syndrome in Children with Acute Carbon Monoxide Poisoning Due to Coal-Burning Stove
Gülşen Yalçın, Hüseyin Tunca, Bahattin Sayınbatur, Murat Anıl

Diagnostic Challenge

- 336 Eosinophilia and Increased Immunoglobulin E: Is It Really a Primary Immunodeficiency? A Diagnostic Challenge
Gökcan Öztürk, Tutku Parlar, Şule Haskoloğlu, Kübra Baskın, Nazlı Deveci, Ergin Çiftçi, Figen Doğu, Aydan İkinçioğulları

Imaging of Pediatrics

- 339 Management of Labial Adhesion in a Low-Income Country
Yosra Kerkeni, Fatma Thamri, Riadh Jouini

Scientific Letters

- 341 Evaluation of Lymphocyte Subgroups in Children with Glucose-6-Phosphate Dehydrogenase Deficiency
Mehmet Fatih Orhan, Olena Erkun, Öner Özdemir, Mustafa Büyükcavcı
- 344 The Clinical Course of Coronavirus Disease 2019 Under 2 Years of Age
Gülşüm İclal Bayhan, Gülşah Efeoğlu, Aysun Yahşi, Saliha Kanık Yüksek, Belgin Gülhan, Tuğba Erat, Seval Özen, Aslınur Özkaya Parlakay

- 347 Myeloid Sarcoma Presenting as Brain Tumor in Pediatric Acute Myeloid Leukemia Case
Hüseyin Avni Solgun, Sibel Tekgündüz, Özlem Terzi, Cengiz Bayram, Ali Ayçiçek
- 351 Bacille Calmette–Guerin Scar Reactivation: A Sign to Suggest Kawasaki Disease
Avinash Sharma, Neha Rehalia
- 353 Public Health Emergencies and Disaster Risk Management: A Rural Experience Following the Earthquake
Hüseyin Anıl Korkmaz
- 355 Erratum