



Year: June 2020

Volume: 7

Issue: 2

ISSN: 2147-9445  
E-ISSN: 2587-2478

# JPR

## The Journal of Pediatric Research



### Review

COVID-19 in Children  
Şahbudak Bal et al.

### Original Articles

Investigation of Physical Activity in Children with  
Down Syndrome  
El et al.

Ratio of Monocytes to Lymphocytes in Tuberculosis  
Demir et al.

Effect of Positioning in Premature Infants  
Güler and Çalışır.

ALP and GH Levels in AI Patients  
Özdaş et al.

The Health Complaints of School Children  
Çalışkan et al.

Urinary Tract Infections and *Morganella Morganii*  
Atmuş et al.

Second Dose Antivenom in Scorpion Stings: Is It Effective?  
El and Çelikkaya.

The Effect of Pinna Position on Tympanic Thermometry  
Orkun and Eser.

Hyponatremia in Children with ALL  
Karapınar et al.

Microarray Method in the Diagnosis of Pediatric Bloodstream Infections  
Avcu et al.

Neurodevelopmental Outcome of Hyperbilirubinemia  
Çolak et al.

Anxiety and Depression in Children with Urticaria  
Karaman et al.

Neonatal Pneumothorax  
Okumuş and Zubarioğlu.

### Case Report

Hyperinsulinemic Hypoglycemia and HNF4A  
Arslan et al.



# The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

## The Journal of Pediatric Research

### FOUNDER

#### Savaş Kansoy

Ege University, Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

#### Özgür Çoğulu

Ege University, Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

E-posta: ozgur.cogulu@ege.edu.tr

ORCID ID: orcid.org/0000-0002-9037-5599

### OWNER

Ege Children's Foundation

### EDITOR IN CHIEF

#### Savaş Kansoy

Ege University, Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

#### Özgür Çoğulu

Ege University Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

ozgur.cogulu@ege.edu.tr

ORCID ID: orcid.org/0000-0002-9037-5599

### STATISTICS EDITORS

#### Mehmet Orman

Ege University Faculty of Medicine,  
Department of Biostatistics and Medical  
Informatics, İzmir Turkey

#### Timur Köse

Ege University, Faculty of Medicine,  
Department of Biostatistics, İzmir, Turkey

### ENGLISH LANGUAGE EDITOR

#### Brian Sweeney

### MANAGING EDITOR

#### Özgür Çoğulu

Ege University Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

The Journal of Pediatric Research is the  
official publication of Ege University Faculty  
of Medicine, Department of Pediatrics and  
Ege Children's Foundation.

## EDITORIAL BOARD

### ASSOCIATE EDITORS

#### Özge Altun Köroğlu

Ege University, Faculty of Medicine, Department of  
Pediatrics, İzmir, Turkey  
ozgealtun@yahoo.com

ORCID ID: orcid.org/0000-0001-5998-0742

#### Feyza Koç

Ege University, Faculty of Medicine, Department of  
Pediatrics, İzmir, Turkey  
feyzaumaykoc@yahoo.com

ORCID ID: orcid.org/0000-0002-5891-8506

#### Sema Kalkan Uçar

Ege University, Faculty of Medicine, Department of  
Pediatrics, İzmir, Turkey

semakalkan@hotmail.com

ORCID ID: orcid.org/0000-0001-9574-7841

#### Samim Özen

Ege University, Faculty of Medicine, Department of  
Pediatrics, İzmir, Turkey

samimozen@gmail.com

ORCID ID: orcid.org/0000-0001-7037-2713

### EDITORS

#### Gülhadiye Akbaş

Balıkesir State Hospital, Clinic of Pediatrics Infectious Diseases,  
Balıkesir, Turkey

#### Serap Aksoylar

Ege University, Faculty of Medicine, Department of Pediatrics,  
İzmir, Turkey

#### Güzide Aksu

Ege University, Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

#### Gül Aktan

Ege University, Faculty of Medicine, Department of Pediatrics,  
İzmir, Turkey

#### Özge Altun Köroğlu

Ege University, Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

#### Aslı Aslan

Ege University Faculty of Medicine, Department of Pediatrics,  
İzmir, Turkey

#### Tahir Atik

Ege University, Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

#### Filiz Başak

University of Miami Miller School of Medicine, John P. Hussman  
Institute for Human Genomics, Miami, USA

#### Zümrüt Başbakkal

Ege University Faculty of Nursing, Department of Pediatric  
Nursing, İzmir, Turkey

#### Ebru Canda

Ege University Faculty of Medicine, Department of Pediatrics, İzmir,  
Turkey

#### Funda Çetin

Ege University Faculty of Medicine, Department of Pediatrics,  
İzmir, Turkey

#### Dilşah Çoğulu

Ege University Faculty of Dentistry, Department of Pedodontics,  
İzmir, Turkey

#### Urszula Demkow

Medical University of Warsaw, Poland

#### Cem Elbi

Bayer HealthCare Pharmaceuticals, Department of  
Global Clinical Development, Oncology, New York, USA

#### Derya Erçal

Dokuz Eylül University Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

#### Özlem Giray Bozkaya

Dokuz Eylül University Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

#### Figen Gülen

Ege University, Faculty of Medicine, Department of Pediatrics,  
İzmir, Turkey

#### Sema Kalkan Uçar

Ege University, Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

#### Ahmet Keskinoglu

Ege University, Faculty of Medicine, Department of Pediatrics,  
İzmir, Turkey

#### Feyza Koç

Ege University, Faculty of Medicine, Department of Pediatrics,  
İzmir, Turkey

#### Güldane Koturoğlu

Ege University, Faculty of Medicine, Department of Pediatrics,  
İzmir, Turkey

#### Saadet Mahmutoglu

Toronto University Faculty of Medicine, Department of  
Paediatrics, Division of Clinical and Metabolic Genetics,  
Toronto, Canada

#### İlke Nalbantoğlu

Washington University, Department of  
Pathology and Immunology, Missouri, USA

#### Burcu Özbaran

Ege University Faculty of Medicine,  
Department of Child Psychiatry, İzmir, Turkey

#### Samim Özen

Ege University, Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

#### Candan Öztürk

Near East University Faculty of Nursing, Department of Pediatric  
Nursing, Near East Boulevard, Nicosia

#### Betül Sözeri

University of Health Sciences, Ümraniye Education and Research  
Hospital, İstanbul, Turkey

#### Zümrüt Şahbudak Bal

Ege University Faculty of Medicine, Department of Pediatrics,  
Division of Infectious Diseases, İzmir, Turkey

#### İbrahim Ulman

Ege University, Faculty of Medicine,  
Department of Pediatrics, İzmir, Turkey

#### Zülal Ülger

Ege University, Faculty of Medicine,  
Department of Pediatric Surgery, İzmir, Turkey

#### Sanem Yılmaz

Ege University Faculty of Medicine, Department of Pediatrics,  
Division of Pediatric Neurology, İzmir, Turkey

# The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital



## Scientific Advisory Board

### Gülhadiye Akbaş,

Balikesir State Hospital, Clinic of Pediatrics Infectious Diseases, Balikesir, Turkey

### Serap Aksoylar,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Güzide Aksu,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Gül Aktan,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Özge Altun Köroğlu,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Moshe Arditi,

Cedars-Sinai Medical Center, Clinic of Infectious Diseases, Los Angeles, USA

### Aslı Aslan,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Tahir Atik,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Güney Bademci,

University of Miami, Miami, USA

### Soyhan Bağcı,

Bonn University Faculty of Medicine, Department of Pediatrics, Bonn, Germany

### Filiz Başak,

University of Miami Miller School of Medicine, John P. Hussman Institute for Human Genomics, Miami, USA

### Zümrüt Başbakkal,

Ege University Faculty of Nursing, Department of Pediatric Nursing, İzmir, Turkey

### Guiseppe Buonocore,

Siena University Faculty of Medicine, Department of Pediatrics, Siena, Italy

### Ebru Canda

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Funda Çetin,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Dilşah Çoğulu,

Ege University Faculty of Dentistry, Department of Pedodontics, İzmir, Turkey

### Özgür Çoğulu,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Urszula Demkow,

Warsaw University Faculty of Medicine, Warsaw, Poland

### Cem Elbi,

Bayer Health Care Pharmaceuticals, Department of Global Clinical Development, Oncology, New York, USA

### Derya Erçal,

Dokuz Eylül University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Özlem Giray Bozkaya,

Dokuz Eylül University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Deniz Güngör,

Erasmus MC, Lysosomal and Metabolic Diseases, Rotterdam, Netherlands

### Figen Gülen,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Lena Hellström-Westas,

Uppsala University Faculty of Medicine, Department of Pediatrics, Uppsala, Sweden

### Eufemia Jacob,

UCLA School of Nursing, Los Angeles, USA

### Sema Kalkan Uçar,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Savaş Kansoy,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Ahmet Keskinöğlü,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Feyza Koç,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Güldane Koturoğlu,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Jos Latour,

Plymouth University School of Nursing and Midwifery, Faculty of Health and Human Sciences, Plymouth, United Kingdom

### Saadet Mahmutoğlu,

Toronto University Faculty of Medicine, Department of Paediatrics, Division of Clinical and Metabolic Genetics, Toronto, Canada

### Levent Midyat,

Boston Children's Hospital, Boston, USA

### Neena Modi,

Imperial College Faculty of Medicine, Department of Pediatrics, Londra, UK

### Guido Moro,

President of Italian Milk Bank Association, Milano, Italy

### İlke Nalbantoğlu,

Washington University, Department of Pathology and Immunology, Missouri, USA

### Nazmi Narin,

Erciyes University Faculty of Medicine, Department of Pediatrics, Kayseri, Turkey

### Burcu Özbaran,

Ege University Faculty of Medicine, Department of Child Psychiatry, İzmir, Turkey

### Samim Özen,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Candan Öztürk,

Near East University Faculty of Nursing, Department of Pediatric Nursing, Near East Boulevard, Nicosia TRNC Mersin 10 – Turkey

### Katalin Papp,

Debrecen University, Debrecen, Hungary

### Betül Sözeri,

University of Health Sciences, Ümraniye Education and Research Hospital, Clinic of Pediatrics Rheumatology, İstanbul, Turkey

### Zümrüt Şahbudak Bal,

Ege University Faculty of Medicine, Department of Pediatrics. Division of Infectious Diseases, İzmir, Turkey

### İbrahim Ulman,

Ege University Faculty of Medicine, Department of Pediatric Surgery, İzmir, Turkey

### Zühal Ülger,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

### Saskia Wortmann,

Children's Hospital, Salzburg, Austria

### Sanem Yılmaz,

Ege University Faculty of Medicine, Department of Pediatrics, Division of Pediatric Neurology, İzmir, Turkey



### Publisher Contact

Address: Molla Gürani Mah. Kaçamak Sk. No: 21/1

34093 İstanbul, Turkey

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: Üniform Basım San. ve Turizm Ltd. Şti.

Matbaacılar Sanayi Sitesi 1. Cad. No: 114 34204 Bağcılar, İstanbul, Turkey

Phone: +90 (212) 429 10 00 | Certificate Number: 42419

Printing Date: May 2020

ISSN: 2147-9445 E-ISSN: 2587-2478

International scientific journal published quarterly.



# The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

## About Journal

The Journal of Pediatric Research is the official publication of Ege University Faculty of Medicine, Department of Pediatrics and Ege Children's Foundation. It is a peer-reviewed journal published quarterly in March, June, September and December in English language.

The Journal of Pediatric Research is a peer-reviewed, open access journal, which publishes original research articles, invited review articles, clinical reports and case reports in all areas of pediatric research.

The journal publishes original research and review articles, which summarize recent developments about a particular subject based on standards of excellence and expert review and case reports. Target audience includes specialists in general pediatrics and pediatric subspecialties (Emergency Medicine, Allergy and Immunology, Endocrinology, Gastroenterology, Hepatology and Nutrition, Genetics, Cardiology, Hematology-Oncology, Infectious Diseases, Metabolism, Nephrology, Neurology, Rheumatology, Pulmonology, Social Pediatrics, Newborn, Critical Care Medicine, Ethics and Health Service Research), as well as relevant specialties such as Pediatric Surgery, Child and Adolescent Psychiatry, Pedodontics, Pediatric Nursing and Family Physicians. The web page of The Journal of Pediatric Research is <http://www.jpredres.org/>.

The journal's editorial policies are based on "ICMJE Recommendations" (2016, <http://www.icmje.org/>) rules.

Statistics Editor evaluates research articles and systematic reviews/meta-analyses for appropriateness of data presentation and correctness of statistical analyses.

All submitted manuscripts are peer reviewed which take on average 6 weeks. Following acceptance of the submission, all authors are required to see and approve the final version of the manuscript and be willing to take responsibility for the entire manuscript. It is strictly expected that submitted manuscripts have not been published elsewhere or even being submitted by another publication. Studies performed on human require ethics committee certificate including approval number. For the manuscripts involving cases, a written informed consent should be obtained from the parents or the responsible persons.

The Journal of Pediatric Research is indexed in **Web of Science-Emerging Sources Citation Index (ESCI), Directory of Open Access Journals (DOAJ), EBSCO, British Library, CINAHL Complete Database, ProQuest, Gale/Cengage Learning, Index Copernicus, Tübitak/Ulakbim TR Index, TurkMedline, J-GATE, IdealOnline, ROOT INDEXING, Hinari, GOALI, ARDI, OARE, AGORA, EuroPub and Türkiye Citation Index.**

### 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 rules of Budapest Open Access Initiative (BOAI) <http://www.budapestopenaccessinitiative.org/>. By "open access" to [peer-reviewed 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.

### Address for Correspondence

Özgür Çoğulu

Ege University Faculty of Medicine, Department of Pediatrics, Bornova, 35100 İzmir, Turkey

Phone: +90 232 390 10 05 - 390 10 31

Fax: +90 232 390 13 57

E-mail: [ozgur.cogulu@ege.edu.tr](mailto:ozgur.cogulu@ege.edu.tr)

### Permissions

Requests for permission to reproduce published material should be sent to the editorial office.

Editor: Özgür Çoğulu

Ege University Faculty of Medicine, Department of Pediatrics, Bornova, 35100 İzmir, Turkey

Phone: +90 232 390 10 05 - 390 10 31

Fax: +90 232 390 13 57

### Publishing House

Galenos Yayınevi Tic. Ltd. Şti.

Molla Gürani Mah. Kaçamak Sok. No: 21/1

34093, İstanbul, Turkey

Phone: +90 212 621 99 25

Fax: +90 212 621 99 27

E-mail: [info@galenos.com.tr](mailto:info@galenos.com.tr)

### Introductions to Authors

Introductions for authors are published in the journal and on the web page [www.jpredres.org](http://www.jpredres.org)

### Material Disclaimer

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

### Subscription Information

Subscription for The Journal of Pediatric Research please contact Galenos Yayınevi (Publishing House).

Subscribers who have not reached the hard copy of the journal within the period should apply to Galenos Publishing House. All issues of the journal with the full texts can be accessed from the journal's address [www.jpredres.org](http://www.jpredres.org).

### Cover Photo

Authors are encouraged to send thought-provoking photos which particularly focuses on child theme to be published on the cover page of The Journal of Pediatric Research. Appropriate photos will be published. Photos must send to [ozgur.cogulu@ege.edu.tr](mailto:ozgur.cogulu@ege.edu.tr).

The journal is printed on acid-free paper.



# JPR

The  
Journal of Pediatric Research

Official Journal of Ege University Children's Hospital



## Instructions to Authors

The Journal of Pediatric Research is an official peer-reviewed publication of Ege University Faculty of Medicine, Department of Pediatrics and Ege Children's Foundation. This publication organ is responsible for the issue of unique clinical and laboratory research papers, case reports, reviews directly or indirectly related to children's health and diseases. The publication language of the journal is English.

The Journal of Pediatric Research does not charge any article submission or processing charges.

The abbreviation of The Journal of Pediatric Research is JPR, however, it should be denoted as J Pediatr Res when referenced. In the international index and database, the name of the journal has been registered as The Journal of Pediatric Research and abbreviated as J Pediatr Res.

A manuscript will be considered only with the understanding that it is an original contribution that has not been published elsewhere. All manuscripts submitted to the journal for publication are peer-reviewed. Authors shall be informed within a period of 6 weeks about the process. Upon review, those manuscripts, which are accepted, shall be published in the journal and issued on the <http://www.jpredres.org> official internet address.

The scientific and ethical liability of the manuscripts belongs to the authors and the copyright of the manuscripts belongs to the JPR. Authors are responsible for the contents of the manuscript and accuracy of the references. All manuscripts submitted for publication must be accompanied by the Copyright Transfer Form [copyright transfer]. Once this form, signed by all the authors, has been submitted, it is understood that neither the manuscript nor the data it contains have been submitted elsewhere or previously published and authors declare the statement of scientific contributions and responsibilities of all authors.

All manuscripts submitted to the The Journal of Pediatric Research are screened for plagiarism using the 'iThenticate' software. Results indicating plagiarism may result in manuscripts being returned or rejected.

Experimental, clinical and drug studies requiring approval by an ethics committee must be submitted to The Journal of Pediatric Research with an ethics committee approval report confirming that the study was conducted in accordance with international agreements and the Declaration of Helsinki (revised 2013) (<http://www.wma.net/en/30publications/10policies/b3/>). The approval of the ethics committee and the fact that informed consent was given by the patients should be indicated in the Materials and Methods section. In experimental animal studies, the authors should indicate that the procedures followed were in accordance with animal rights as per the Guide for the Care and Use of Laboratory Animals (<http://oacu.od.nih.gov/regs/guide/guide.pdf>) and they should obtain animal ethics committee approval.

Authors must provide disclosure/acknowledgment of financial or material support, if any was received, for the current study.

If the article includes any direct or indirect commercial links or if any institution provided material support to the study, authors must state in the cover letter that they have no relationship with the commercial product, drug, pharmaceutical company, etc. concerned; or specify the type of relationship (consultant, other agreements), if any.

Authors must provide a statement on the absence of conflicts of interest among the authors and provide authorship contributions.

The Journal of Pediatric Research is an independent international journal based on double-blind peer-review principles. The manuscript is assigned to the Editor-in-Chief, who reviews the manuscript and makes an initial decision based on manuscript quality and editorial priorities. Manuscripts that pass initial evaluation are sent for external peer review, and the Editor-in-Chief assigns an Associate Editor. The Associate Editor sends the manuscript to

reviewers (internal and/or external reviewers). The reviewers must review the manuscript within 21 days. The Associate Editor recommends a decision based on the reviewers' recommendations and returns the manuscript to the Editor-in-Chief. The Editor-in-Chief makes a final decision based on editorial priorities, manuscript quality, and reviewer recommendations. If there are any conflicting recommendations from reviewers, the Editor-in-Chief can assign a new reviewer.

The scientific board guiding the selection of the papers to be published in the Journal consists of elected experts of the Journal and if necessary, selected from national and international authorities. The Editor-in-Chief, Associate Editors, biostatistics expert and English language consultant may make minor corrections to accepted manuscripts that do not change the main text of the paper.

In case of any suspicion or claim regarding scientific shortcomings or ethical infringement, the Journal reserves the right to submit the manuscript to the supporting institutions or other authorities for investigation. The Journal accepts the responsibility of initiating action but does not undertake any responsibility for an actual investigation or any power of decision.

The Editorial Policies and General Guidelines for manuscript preparation specified below are based on "Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (ICMJE Recommendations)" by the International Committee of Medical Journal Editors (2016, archived at <http://www.icmje.org/>).

Preparation of research articles, systematic reviews and meta-analyses must comply with study design guidelines:

CONSORT statement for randomized controlled trials (Moher D, Schultz KF, Altman D, for the CONSORT Group. The CONSORT statement revised recommendations for improving the quality of reports of parallel group randomized trials. *JAMA* 2001; 285:1987-91) (<http://www.consort-statement.org/>);

PRISMA statement of preferred reporting items for systematic reviews and meta-analyses (Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group. Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. *PLoS Med* 2009; 6(7): e1000097.) (<http://www.prisma-statement.org/>);

STARD checklist for the reporting of studies of diagnostic accuracy (Bossuyt PM, Reitsma JB, Bruns DE, Gatsonis CA, Glasziou PP, Irwig LM, et al., for the STARD Group. Towards complete and accurate reporting of studies of diagnostic accuracy: the STARD initiative. *Ann Intern Med* 2003;138:40-4.) (<http://www.stard-statement.org/>);

STROBE statement, a checklist of items that should be included in reports of observational studies (<http://www.strobe-statement.org/>);

MOOSE guidelines for meta-analysis and systemic reviews of observational studies (Stroup DF, Berlin JA, Morton SC, et al. Meta-analysis of observational studies in epidemiology: a proposal for reporting Meta-analysis of observational Studies in Epidemiology (MOOSE) group. *JAMA* 2000; 283: 2008-12).

### GENERAL GUIDELINES

Manuscripts can only be submitted electronically through the Journal Agent website (<https://www.journalagent.com/jpr/>) after creating an account. This system allows online submission and review.

Author should suggest three reviewers while submitting an original article through online article system.

The manuscripts are archived according to Web of Science-Emerging Sources Citation Index (ESCI), Directory of Open Access Journals (DOAJ), EBSCO, British



# The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

## Instructions to Authors

Library, CINAHL Complete Database, ProQuest, Gale/Cengage Learning, Index Copernicus, Tübitak/Ulakbim TR Index, TurkMedline, J-GATE, IdealOnline, ROOT INDEXING, Hinari, GOALI, ARDI, OARE, AGORA, EuroPub and Türkiye Citation Index.

The ORCID (Open Researcher and Contributor ID) number of the correspondence author should be provided while sending the manuscript. A free registration can be created at <http://orcid.org>.

**Format:** Unique research papers cover clinical research, observational studies, novel techniques, and experimental and laboratory studies. Unique research papers shall consist of a heading, abstract, keywords related to the main topic of the paper, introduction, materials and methods, results, discussion, acknowledgements, bibliography, tables and figures. Manuscripts should be prepared using 12 pt "Times New Roman" and 1.5 line spacing. The text shall not exceed 2500 words. Case reports must contain rare cases or those that are unique in diagnosis and treatment, those which contribute to current knowledge and provide educational information, along with the introduction, case reporting and discussion sections. The whole text must not exceed 1500 words. Reviews are texts in which a current subject is examined independently, with reference to scientific literature. The whole text must not exceed 18 A4 paper sheets. Letters to the Editor must be manuscripts, which do not exceed 1000 words, with reference to scientific literature, and those written in response to issued literature or those, which include development in the field of pediatrics. These manuscripts do not contain an abstract. The number of references is limited to 5.

**Abbreviations:** Abbreviations should be defined at first mention and used consistently thereafter. Internationally accepted abbreviations should be used; refer to scientific writing guides as necessary.

**Cover letter:** The cover letter should include statements about manuscript type, single-journal submission affirmation, conflict of interest statement, sources of outside funding, equipment (if applicable), approval of language for articles in English and approval of statistical analysis for original research articles.

### REFERENCES

Authors are solely responsible for the accuracy of all references.

**In-text citations:** References shall be listed as the below formats on a separate page according to their sequence within the text and referred to within the text in parentheses.

Presentations presented in congresses, unpublished manuscripts, theses, Internet addresses, and personal interviews or experiences should not be indicated as references. If such references are used, they should be indicated in parentheses at the end of the relevant sentence in the text, without reference number and written in full, in order to clarify their nature.

**References section:** All author names shall be stated within all references. References shall be listed as the below formats on a separate page according to their sequence within the text and referred to within the text in parentheses. However, in studies where author numbers exceed 6, names of the first 3 authors shall be stated; "et al." additions shall be made to the list of authors in English references, respectively. The titles of journals should be abbreviated according to the style used in the Index Medicus.

### Reference Format

**Journal:** Last name(s) of the author(s) and initials, article title, publication title and its original abbreviation, publication date, volume, the inclusive page numbers.

**Example:** Koenig JQ. Air pollution and asthma. *J Allergy Clin Immunol* 1999; 104:717-22.

**Book:** Last name(s) of the author(s) and initials, book title, edition, place of publication, date of publication and inclusive page numbers of the extract cited.

**Example:** Fletcher CDM, Unni KK, Mertens F. Genetics of Tumours of Soft Tissue and Bone. Lyon, France, IARC Press, 2002. p. 225-419.

**Book Chapter:** Last name(s) of the author(s) and initials, chapter title, book editors, book title, edition, place of publication, date of publication and inclusive page numbers of the cited piece.

**Example:** Whitsett JA, Pryhuber GS, Rice WR. Acute respiratory disorders. In: Avery GB, Mac-Donald MG (eds). Neonatology: Pathophysiology and Management of the Newborn, 5th ed. Philadelphia, Lippincott Williams & Wilkins, 1999;505-15.

### TABLES, GRAPHICS, FIGURES, AND IMAGES

All visual materials together with their legends should be located on separate pages that follow the main text. Original documents such as films, ECG records must not be delivered. All cost related to colored printouts shall be covered by the authors' own expenses.

**Images:** Images (pictures) should be numbered and include a brief title. Permission to reproduce pictures that were published elsewhere must be included. All pictures should be of the highest quality possible, in JPEG format, and at a minimum resolution of 300 dpi.

**Tables, Graphics, Figures:** All tables, graphics or figures should be enumerated according to their sequence within the text and a brief descriptive caption should be written. Tables shall be numbered by Roman numerals (I, II) according to their sequence, and shall include a heading. Figures shall be numbered by Arabic numerals (1,2) according to their sequence. Any abbreviations used should be defined in the accompanying legend. Tables in particular should be explanatory and facilitate readers' understanding of the manuscript, and should not repeat data presented in the main text. A maximum of 2 figures or photographs shall be added to case reports.

### BIOSTATISTICS

To ensure controllability of the research findings, the study design, study sample, and the methodological approaches and applications should be explained and their sources should be presented.

The "p" value defined as the limit of significance along with appropriate indicators of measurement error and uncertainty (confidence interval, etc.) should be specified. Statistical terms, abbreviations and symbols used in the article should be described and the software used should be defined. Statistical terminology (random, significant, correlation, etc.) should not be used in non-statistical contexts.

All results of data and analysis should be presented in the Results section as tables, figures and graphics; biostatistical methods used and application details should be presented in the Materials and Methods section or under a separate title.

### MANUSCRIPT TYPES

#### Original Articles

Unique research papers cover clinical research, observational studies, novel techniques, and experimental and laboratory studies. Unique research papers shall consist of a heading, abstract, keywords related to the main topic of the paper, introduction, materials and methods, results, discussion, acknowledgements, bibliography, tables and figures. The text shall not exceed 2500 words. Case reports must contain rare cases or those that are unique in diagnosis and treatment, those which contribute to current knowledge and provide educational information, along with the introduction, case reporting and

## Instructions to Authors

discussion sections. The whole text must not exceed 1500 words. Reviews are texts in which a current subject is examined independently, with reference to scientific literature. The whole text must not exceed 18 A4 paper sheets. Letters to the Editor must be manuscripts, which do not exceed 1000 words, with reference to scientific literature, and those written in response to issued literature or those, which include development in the field of pediatrics. These manuscripts do not contain an abstract. The number of references is limited to 5.

**Title Page:** This page should include the title of the manuscript, short title, name(s) of the authors and author information. The following descriptions should be stated in the given order:

1. Title of the manuscript (English), as concise and explanatory as possible, including no abbreviations, up to 135 characters
2. Short title (English), up to 60 characters
3. Name(s) and surname(s) of the author(s) (without abbreviations and academic titles) and affiliations
4. Name, address, e-mail, phone and fax number of the corresponding author
5. The place and date of scientific meeting in which the manuscript was presented and its abstract published in the abstract book, if applicable

**Abstract:** A summary of the manuscript should be written in English. References should not be cited in the abstract. Use of abbreviations should be avoided as much as possible; if any abbreviations are used, they must be taken into consideration independently of the abbreviations used in the text.

For original articles, the structured abstract should include the following sub-headings:

**Aim:** The aim of the study should be clearly stated.

**Materials and Methods:** The study and standard criteria used should be defined; it should also be indicated whether the study is randomized or not, whether it is retrospective or prospective, and the statistical methods applied should be indicated, if applicable.

**Results:** The detailed results of the study should be given and the statistical significance level should be indicated.

**Conclusion:** Should summarize the results of the study, the clinical applicability of the results should be defined, and the favorable and unfavorable aspects should be declared.

**Keywords:** A list of minimum 3, but no more than 5 key words must follow the abstract. Key words should be consistent with "Medical Subject Headings (MESH)" ([www.nlm.nih.gov/mesh/MBrowser.html](http://www.nlm.nih.gov/mesh/MBrowser.html)).

**Original research articles should have the following sections:**

**Introduction:** Should consist of a brief explanation of the topic and indicate the objective of the study, supported by information from the literature.

**Materials and Methods:** The study plan should be clearly described, indicating whether the study is randomized or not, whether it is retrospective or prospective, the number of trials, the characteristics, and the statistical methods used.

**Results:** The results of the study should be stated, with tables/figures given in numerical order; the results should be evaluated according to the statistical analysis methods applied. See General Guidelines for details about the preparation of visual material.

**Discussion:** The study results should be discussed in terms of their favorable and unfavorable aspects and they should be compared with the literature. The conclusion of the study should be highlighted.

**Study Limitations:** Limitations of the study should be discussed. In addition, an evaluation of the implications of the obtained findings/results for future research should be outlined.

**Conclusion:** The conclusion of the study should be highlighted.

**Acknowledgements:** Any technical or financial support or editorial contributions (statistical analysis, English evaluation) towards the study should appear at the end of the article.

**References:** Authors are responsible for the accuracy of the references. See General Guidelines for details about the usage and formatting required.

### Case Reports

Case reports should present cases which are rarely seen, feature novelty in diagnosis and treatment, and contribute to our current knowledge. The first page should include the title in English, an unstructured summary not exceeding 50 words, and key words. The main text should consist of introduction, case report, discussion and references. The entire text should not exceed 1500 words (A4, formatted as specified above). A maximum of 10 references shall be used in case reports.

### Review Articles

Review articles can address any aspect of clinical or laboratory pediatrics. Review articles must provide critical analyses of contemporary evidence and provide directions for future research. **The journal only accepts and publishes invited reviews.** Before sending a review, discussion with the editor is recommended.

Reviews articles analyze topics in depth, independently and objectively. The first chapter should include the title in English, an unstructured summary and key words. Source of all citations should be indicated. The entire text should not exceed 18 pages (A4, formatted as specified above)

### Letters to the Editor

Letters to the Editor should be short commentaries related to current developments in pediatrics and their scientific and social aspects, or may be submitted to ask questions or offer further contributions in response to work that has been published in the Journal. Letters do not include a title or an abstract; they should not exceed 1.000 words and can have up to 5 references.

### COMMERCIALIZATION

Commercialization issues shall be discussed with the editor. It is possible to include an advertisement on the outer and inner pages of the journal.

### COPYRIGHT

All copyright of the journal belongs to the related institutions.

The Journal of Pediatric Research is the publication organ of Ege University Faculty of Medicine Department of Pediatrics, supported by Ege Children's Foundation (EÇV).

### CORRESPONDENCE

Prof. Dr. Özgür Çoğulu

The Journal of Pediatric Research

Ege University Faculty of Medicine, Department of Pediatrics, Bornova, 35100 Izmir, Turkey

Phone: +90 232 390 10 05 - 390 10 31

Fax: +90 232 390 13 57

E-mail: [ozgur.cogulu@ege.edu.tr](mailto:ozgur.cogulu@ege.edu.tr)



# The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

## Contents

### Review

- 88 ▶** Clinical Features of COVID-19 in Children  
*Zümrüt Şahbudak Bal, Ferda Özkinay, Zafer Kurugöl; İzmir, Turkey*

### Original Articles

- 92 ▶** Investigation of the Relationship between Physical Activity and Body Mass Index in Children with Down Syndrome  
*Çiğdem El, Esra Doğru Hüzmeli, Özden Gökçek; Hatay, Turkey*
- 97 ▶** Ratio of Monocytes to Lymphocytes in Peripheral Blood in Children Diagnosed with Active Tuberculosis  
*Ayça Demir, Mine Düzgöl, Nuri Bayram, Ahu Kara, Hurşit Apa, İlker Devrim; İzmir, Turkey*
- 102 ▶** The Effect of Positioning on Adaptation to Spontaneous Breathing in Premature Infants After Weaning from Mechanical Ventilation: A Randomized Controlled Trial  
*Funda Güler, Hüsnüye Çalışır; Aydın, Turkey*
- 110 ▶** Serum Bone Alkaline Phosphatase and Growth Hormone Levels May Help as a Diagnostic Criteria for Children with Amelogenesis Imperfecta  
*Didem Öner Özdaş, Sevgi Zorlu, Gamze Aren; İstanbul, Turkey*
- 114 ▶** The Health Complaints of School Age Children in Turkey  
*Cüneyt Çalışkan, Hatice Topsakal, Orhan Koray Arberk, Burcu Küçük Biçer, Hande Konşuk Ünlü, Hilal Özçebe; Çanakkale, Eskişehir, Ankara, Turkey*
- 121 ▶** Community-acquired Pediatric Urinary Tract Infections Caused by *Morganella Morganii*  
*Bahriye Atmış, Soner Sertan Kara, Mehtap Hülya Aslan; Erzurum, Turkey*
- 126 ▶** Administration of a Second Dose Antivenom in the Early Period: Is It Effective in Scorpion Stings?  
*Çiğdem El, Mehmet Emin Çelikkaya; Hatay, Turkey*
- 132 ▶** The Effect of Pinna Position on Body Temperature Measurements Made with a Tympanic Membrane Thermometer in Pediatric Patients  
*Nilay Orkun, İsmet Eşer; İzmir, Turkey*
- 139 ▶** Hyponatremia in Children with Acute Lymphoblastic Leukemia  
*Deniz Yılmaz Karapınar, Akkız Şahin, Selime Özen, Pınar Yazıcı Özkaya, Zühal Önder Siviş, Ayşe Burcu Akıncı, Nihal Özdemir Karadaş, Bülent Karapınar; İzmir, Turkey*
- 146 ▶** Rapid Detection of Specific Gram-negative Microorganisms Causing Bloodstream Infections in Children with the Microarray Method  
*Gülhadiye Avcu, Mehmet Soylu, Şöhret Aydemir, Deniz Yılmaz Karapınar, Zümrüt Şahbudak Bal, Serap Aksoylar, Bülent Karapınar, Funda Özgenç, Fadıl Vardar; İzmir, Turkey*
- 152 ▶** The Neurodevelopmental Outcome of Severe Neonatal Hemolytic and Nonhemolytic Hyperbilirubinemia  
*Rüya Çolak, Şebnem Çalkavur, Ezgi Yangın Ergon, Kıymet Çelik, Senem Alkan Özdemir, Özgür Olukman, Zeynep Üstünyurt; İzmir, Van, Diyarbakır, Ankara, Turkey*
- 158 ▶** The Relationship of Chronic Spontaneous Urticaria with Anxiety and Depression in Children  
*Sait Karaman, Eyaz Karay, Şeyhan Kutluğ, Bilge Türedi; Diyarbakır, Batman, Turkey*
- 163 ▶** Neonatal Pneumothorax - 10 Years of Experience From a Single Center  
*Mustafa Okumuş, Adil Umut Zubarioğlu; İstanbul, Turkey*

### Case Reports

- 168 ▶** A Case of Late-onset Hyperinsulinemic Hypoglycemia: HNF4A Mutation  
*Gülçin Arslan, Sezer Acar, Taha Reşid Özdemir, Özlem Nalbantoğlu, Özgür Kırbıyık, Özge Köprülü, Beyhan Özkaya, Behzat Özkan; İzmir, Turkey*