



Year: June 2024

Volume: 11

Issue: 2

E-ISSN: 2587-2478

The Journal of Pediatric Research



Original Articles

Advanced Thoracic Pediatric Robotic Surgery

Çelik et al.

Position of the Newborn During Transition

Yangın Ergon et al.

Significant Risk Factors for Children Obesity

Tunca Küçükali et al.

Olive Oil Supplement and Preterm Infants

Aytemiz et al.

Pediatric DKA: A Turkish PICU Retrospective

Aşık et al.

Phagocyte Functions of Cystic Fibrosis Patients

Duman Şenol et al.

Chest Wall Tumors

User et al.

Surgical Factors in Megameatus Intact Prepuce

Bağcı et al.

The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital



EDITORIAL BOARD

The Journal of Pediatric Research

FOUNDER

Savaş Kansoy
Özgür Çoğulu

Ege University, Faculty of Medicine,
Department of Pediatrics, İzmir, Turkey
E-mail: ozgur.cogulu@ege.edu.tr
ORCID ID: orcid.org/0000-0002-9037-5599

OWNER

Ege Children's Foundation

EDITOR-IN-CHIEF

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

RESPONSIBLE EDITOR

Gülhadiye Avcu

Volume: 11, Issue: 2, June 2024

EDITORS OF PEDIATRICS

Ebru Canda

Ege University Faculty of Medicine, Department
of Pediatric Metabolism, İzmir, Turkey
ebru.canda@gmail.com
orcid.org/0000-0002-9175-1998

Demet Terek

Ege University Faculty of Medicine, Department
of Child Health and Diseases, Division of
Neonatal Medicine, İzmir, Turkey
demet.terek@yahoo.com
orcid.org/0000-0002-0970-6582

EDITOR OF PEDIATRIC SURGERY

İbrahim Ulman

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

STATISTICS EDITORS

Mehmet Orman

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

Pembe Keskinoğlu

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

Timur Köse

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

Su Özgür

Ege University, Translational Pulmonary Research Center-
EgeSAM, Biostatistics, İzmir, Turkey

ENGLISH LANGUAGE EDITOR

Brian Sweeney

MANAGING EDITOR

Özgür Çoğulu

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

Gülhadiye Avcu

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

Aslı Aslan

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

Tahir Atik

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

Filiz Başak

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

Ebru Canda

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

Yeliz Çağan Appak

İzmir Katip Çelebi University, Faculty of Medicine, Department
of Pediatric Gastroenterology, Hepatology and Nutrition, İzmir,
Turkey

Suar Çakı Kılıç

University of Health Sciences Turkey, Ümraniye Training and
Research Hospital, Department of Pediatric Hematology and
Oncology, İstanbul, Turkey

Ahmet Çelik

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

Coşkun Çeltik

University of Health Sciences Turkey, Ümraniye Training and
Research Hospital, Department of Gastroenterology, Hepatology
and Nutrition, İstanbul, Turkey

Funda Çetin

Ege University Faculty of Medicine, Department of Pediatric
Gastroenterology, Hepatology and Nutrition, İzmir, Turkey

Dilşah Çoğulu

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

Tülay Demircan Şirinoğlu

University of Health Sciences Turkey, Tepecik Training and
Research Hospital, Clinic of Child Health and Diseases, Division of
Pediatric Cardiology, İzmir, Turkey

Urszula Demkow

Medical University of Warsaw, Poland

Demet Eğlenoğlu Alaygut

University of Health Sciences Turkey, Tepecik Training and
Research Hospital, Clinic of Pediatric Nephrology, İzmir, Turkey

Cem Elbi

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

Derya Erçal

Dokuz Eylül University Faculty of Medicine,
Department of Pediatric Genetics, İzmir, Turkey

Figen Gülen

Ege University Faculty of Medicine, Department of Pediatric
Pulmonology and Allergy, İzmir, Turkey

Sema Kalkan Uçar

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

İpek Kaplan Bulut

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

Miray Karakoyun

Ege University, Faculty of Medicine, Department of Pediatric
Gastroenterology, Hepatology and Nutrition, İzmir, Turkey

Saadet Mahmutoğlu

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

İlke Mungan

University of Health Sciences, Ümraniye Training and Research
Hospital, Department of Pediatric Newborn, İstanbul, Turkey

İlke Nalbantoğlu

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

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



Publisher Contact

Address: Molla Gürani Mah. Kaçamak Sk. No: 21/1
34093 İstanbul, Turkey
Phone: +90 (530) 177 30 97 / +90 (539) 307 32 03
E-mail: info@galenos.com.tr/yayin@galenos.com.tr
Web: www.galenos.com.tr
Publisher Certificate Number: 14521

Online Publication Date: June 2024

E-ISSN: 2587-2478

International scientific journal published quarterly.



The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

EDITORIAL BOARD

Nejat Narlı

Çukurova University Faculty of Medicine, Department of Pediatric Newborn, Adana, Turkey

Burcu Özbaran

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

Samim Özen

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

Candan Öztürk

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

Betül Sözeri

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

Zümrüt Şahbudak Bal

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

Sevgin Taner

University of Health Sciences Turkey, Adana City Training and Research Hospital, Clinic of
Pediatric Nephrology, Adana, Turkey

Sema Tanrıverdi

Manisa Celal Bayar University Faculty of Medicine, Department of Neonatology, Manisa, Turkey

Ali Tekin

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

Ayşe Merve Usta

İstanbul Hamidiye Şişli Etfal Training and Research Hospital, Clinic of Pediatric
Gastroenterology Hepatology and Nutrition, İstanbul, Turkey

Zülal Ülger

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

Alican Vuran

University of Health Sciences Turkey, Ümraniye Training and Research Hospital, Department of
Cardiovascular Surgery, İstanbul, 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 Avcu,

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

Moshe Arditi,

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

Aslı Aslan,

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

Tahir Atik,

Ege University Faculty of Medicine, Department of Pediatric Genetics, 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

Giuseppe Buonocore,

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

Ebru Canda,

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

Yeliz Çağan Appak,

İzmir Katip Çelebi University, Faculty of Medicine, Department of Pediatric Gastroenterology, Hepatology and Nutrition, İzmir, Turkey

Suar Çakı Kılıç,

University of Health Sciences Turkey, Ümraniye Training and Research Hospital, Department of Pediatric Hematology and Oncology, İstanbul, Turkey

Coşkun Çeltik,

University of Health Sciences Turkey, Ümraniye Training and Research Hospital, Department of Gastroenterology, Hepatology and Nutrition, İstanbul, 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

Tülay Demircan Şirinoğlu,

University of Health Sciences Turkey, Tepecik Training and Research Hospital, Clinic of Child Health and Diseases, Division of Pediatric Cardiology, İzmir, Turkey

Urszula Demkow,

Warsaw University Faculty of Medicine, Warsaw, Poland

Demet Eğlenoğlu Alaygut,

University of Health Sciences Turkey, Tepecik Training and Research Hospital, Clinic of Pediatric Nephrology, İzmir, Turkey

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 Pediatric Genetics, İzmir, Turkey

Deniz Güngör,

Erasmus MC, Lysosomal and Metabolic Diseases, Rotterdam, Netherlands

Figen Gülen,

Ege University Faculty of Medicine, Department of Pediatric Pulmonology and Allergy, 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 Pediatric Metabolism, İzmir, Turkey

Savaş Kansoy,

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

İpek Kaplan Bulut,

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

Miray Karakoyun,

Ege University, Faculty of Medicine, Department of Pediatric Gastroenterology, Hepatology and Nutrition, 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

Neena Modi,

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

Guido Moro,

President of Italian Milk Bank Association, Milano, Italy

İlke Mungan,

University of Health Sciences, Ümraniye Training and Research Hospital, Department of Pediatric Newborn, İstanbul, Turkey

İlke Nalbantoğlu,

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

Nejat Narlı,

Çukurova University Faculty of Medicine, Department of Pediatric Newborn, Adana, Turkey

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 Pediatric Endocrinology, 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 Turkey, Ümraniye Training and Research Hospital, Department of Pediatric Rheumatology, İstanbul, Turkey

Zümrüt Şahbudak Bal,

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

Sevgin Taner,

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

İbrahim Ulman,

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

Ayşe Merve Usta,

İstanbul Hamidiye Şişli Etfal Training and Research Hospital, Clinic of Pediatric Gastroenterology Hepatology and Nutrition, İstanbul, Turkey

Zülal Ülger,

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

Alican Vuran,

University of Health Sciences Turkey, Ümraniye Training and Research Hospital, Department of Cardiovascular Surgery, İstanbul, Turkey

Saskia Wortmann,

Children's Hospital, Salzburg, Austria

Sanem Yılmaz,

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



JPR

The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

Please refer to the journal's webpage (<https://jpedres.org/>) for "Aims and Scope", "Instructions to Authors" and "Ethical Policy".

The editorial and publication processes of the Journal of Pediatric Research are shaped in accordance with the guidelines of ICMJE, WAME, CSE, COPE, EASE, and NISO. The journal is in conformity with the Principles of Transparency and Best Practice in Scholarly Publishing.

The Journal of Pediatric Research is indexed in **Emerging Sources Citation Index (ESCI)**, **Embase**, **Directory of Open Access Journals (DOAJ)**, **EBSCO**, **CINAHL Complete Database**, **ProQuest**, **CABI**, **Gale/Cengage Learning**, **Ulakbim TR Dizin**, **TurkMedline**, **J-GATE**, **IdealOnline**, **Hinari**, **GOALI**, **ARDI**, **OARE**, **AGORA** and **Türkiye Citation Index**.

The journal is published online.

Owner: Ege University and Ege Children's Foundation

Responsible Manager: Özgür ÇOĞULU

Contents

Original Articles

- 75 ▶** *Examining the Potential of Advanced Robotic-Assisted Thoracic Surgery in Pediatric Cases*
Ülgen Çeltik, Cengiz Şahutoğlu, Zafer Dökümcü, Coşkun Özcan, Ata Erdener; İzmir, Turkey
- 80 ▶** *Position Effect on Cerebral Oxygenation in Neonates During Transition after Birth*
Ezgi Yangın Ergon, Rüya Çolak, Demet Terek, Özge Altun Köroğlu, Şebnem Çalkavur, Mehmet Yalaz, Nilgün Kültürsay; İzmir, Turkey
- 88 ▶** *Identification of Significant Risk Factors for Obesity Among Children Aged Five to Nine Years: A Cross-Sectional Analysis*
Elif Tuğçe Tunca Küçükali, Osman Tolga İnce, Adem Aydın, Türkan Günay; İzmir, Turkey
- 95 ▶** *Effects of Enteral Olive Oil Supplement on Weight Gain, Length of Hospital Stay, and the Development of Some Complications in Preterm Infants: A Randomized Controlled Trial*
Selin Aytemiz, Murat Sarı, Sadık Yurttutan, Yasemin Çıkar, Sümeysa Topal, Sinem Yalnızoğlu Çaka, Yusuf Özbey, Merve Nur Yenmiş İnan; Kahramanmaraş, Kocaeli, Hatay, Turkey
- 103 ▶** *Pediatric Diabetic Ketoacidosis: A Retrospective Study on Triggering Factors and Complications in a Turkish Intensive Care Unit*
Ayşe Aşık, Meltem Ermaydan, Ayşe Şevval Demir, Muhterem Duyu; İstanbul, Turkey
- 110 ▶** *Investigation of Phagocyte Functions in Pseudomonas-Colonized Cystic Fibrosis Patients*
Handan Duman Şenol, Meral Barlık, Ezgi Topyıldız, Figen Gülen, Güzide Aksu, Necil Kütükçüler, Esen Demir, Neslihan Edeer Karaca; İzmir, Turkey
- 118 ▶** *Management of Ewing Family of Tumors Arising from Chest Wall in Children*
İdil Rana User, Burak Ardıçlı, Arbay Özden Çiftçi, İbrahim Karnak, Berna Oğuz, Mithat Haliloğlu, Tezer Kutluk, Ferah Yıldız, Diclehan Orhan, Filiz Üzümcügil, Saniye Ekinci; Ankara, Turkey
- 123 ▶** *Evaluation of Factors Affecting Surgical Success in Megameatus Intact Prepuce Cases*
Uygar Bağcı, Ali Tekin, Sibel Tiryaki, İbrahim Ulman; İzmir, Turkey



The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

Editorial

Dear Readers of The Journal of Pediatric Research,

We are delighted to present to you the second issue of 2024. Within this edition, you will find a collection of eight original articles, each offering valuable insights. Topics explored in this edition include, “Position of the Newborn During Transition”, “Significant Risk Factors for Children Obesity”, “Pediatric Ketoacidosis : A Turkish PICU”, “Olive Oil Supplement and Preterm Infants”, “Phagocyte Functions of Cystic Fibrosis Patients”, as well as three topics from pediatric surgery: “Chest Wall Tumors”, “Advanced Thoracic Pediatric Robotic Surgery”, and “Surgical Factors in Megameatus Intact Prepuce”.

We would like to highlight that The Journal of Pediatric Research is indexed in Emerging Sources Citation Index (ESCI), Embase, Directory of Open Access Journals (DOAJ), EBSCO, CINAHL Complete Database, ProQuest, CABI, Gale/Cengage Learning, Ulakbim TR Dizin, TurkMedline, J-GATE IdealOnline, Hinari, GOALI, ARDI, OARE, AGORA and Türkiye Citation Index.

We express our gratitude to the authors, referees, editorial team, and Galenos Publishing House for their valuable support in assembling this edition. We eagerly anticipate your continued contributions to our forthcoming publications.

Sincerely,
Assoc. Prof. Dr. Gulhadiye Avcu