



# Turkish Journal of Anaesthesiology & Reanimation

Volume 52 • Issue 3 • June 2024

Perioperative Fluid Management in Paediatric Liver  
Transplantation: A Systematic Review

*Raihanita Zahra, Andi Ade Wijaya Ramlan, Christopher Kapuangan,  
Rahendra Rahendra, Komang Ayu Ferdiana, Arif Hari Martono Marsaban,  
Aries Perdana, Nathasha Brigitta Selene*

Page **83**

Effect of Bilateral Erector Spinae Plane Block on Postoperative  
Analgesia in Cesarean Section Under Spinal Anaesthesia:  
A Prospective Randomized Controlled Trial

*Bengi Şafak, Onat Bermede, Süheyla Karadağ Erkoç, Volkan Baytaş,  
Bulut Varlı, Asuman Uysalel*

Page **93**



# Turkish Journal of Anaesthesiology & Reanimation

## Chief Editor

**Zekeriyya Alanoğlu**

Washington University in St Louis School of Medicine, St Louis, United States

## Associate Editors

**Necati Gökmen**

Dokuz Eylül University School of Medicine, İzmir, Turkey

**Pakize Kırdemir**

Süleyman Demirel University School of Medicine, Isparta, Turkey

**Özge Köner**

Yeditepe University School of Medicine, İstanbul, Turkey

## Section Editors

### Airway Management

**Kamil Toker**

Bahçeşehir University School of Medicine, İstanbul, Turkey

### Cardiovascular and Thoracic Anaesthesia

**Aslı Demir**

University of Health Sciences, Ankara, Turkey

### Geriatric Anaesthesia

**Fatih Altıntaş**

İstanbul University, Cerrahpaşa School of Medicine, İstanbul, Turkey

### Intensive Care

**Beliz Bilgili**

Marmara University School of Medicine, İstanbul, Turkey

### Neuroanaesthesia

**Başak Ceyda Meço**

Ankara University School of Medicine, Ankara, Turkey

### Obstetric Anaesthesia

**Tülay Şahin**

Kocaeli University School of Medicine, İzmir, Turkey

### Orthopaedic Anaesthesia

**Nezih Sertöz**

Ege University School of Medicine, İzmir, Turkey

## Outpatient Anaesthesia

**Leyla İyilikçi**

Dokuz Eylül University School of Medicine, İzmir, Turkey

## Pain

**Meltem Uyar**

Ege University School of Medicine, İzmir, Turkey

## Paediatric Anaesthesia

**Serpil Ustalar Özgen**

Acıbadem University School of Medicine, İstanbul, Turkey

## Perioperative Care

**Oya Yalçın Çok**

Penn State College of Medicine Milton S. Hershey Medical Center  
Hershey, PA, USA

## Regional Anaesthesia

**Yavuz Gürkan**

Koç University School of Medicine, Kocaeli, Turkey

## Social Media Editor

**Ceyda Özhan Çaparlar**

University of Health Sciences, Ankara Etlik City Hospital, Ankara, Turkey



# Turkish Journal of Anaesthesiology & Reanimation

## Consultants in Biostatistics

### Naci Murat

Ondokuz Mayıs University Department of Industrial Engineering,  
Samsun, Turkey

### Ferruh Ayoğlu

Zonguldak Bülent Ecevit University Faculty of Medicine,  
Zonguldak, Turkey

### Pınar Günel

Sanko University School of Medicine, Gaziantep, Turkey

### Fatma Ezgi Can

Katip Çelebi University School of Medicine, İzmir, Turkey

### Gülser Çalışkan

University of Verona, Verona, Italy

## Editorial Board

### Jan Bakker

Division of Pulmonary, Allergy, and Critical Care, Columbia  
University College of Physicians and Surgeons; Department of  
Pulmonary and Critical Care, New York University, Bellevue  
Hospital, New York, USA; Department of Intensive Care Adults,  
Erasmus MC University Medical Center, Rotterdam, Netherlands

### Zeev Goldik

Department of Anaesthesia and Intensive Care, Post-Anaesthesia  
Care Unit, Lady Davis Carmel Medical Centre, Haifa, Israel

### Can İnce

Department of Intensive Care Adults, Erasmus MC University  
Medical Centre, Rotterdam, The Netherlands

### Jan Peter Jantzen

Department Anaesthesiology, Intensive Care and Pain Center, School  
of Medicine, Johannes Gutenberg University, Mainz, Germany

### Zsolt Molnar

Department of Anaesthesia and Intensive Therapy, Szeged  
University, Szeged, Hungary

### Rolf Rossaint

Department of Anaesthesiology, Medical Faculty of University,  
Aachen, Germany

### Philippe Scherpereel

Department of Anaesthesiology and Reanimation, Lille Region  
University Hospital, Lille, France

### Alparslan Turan

Department of Outcomes Research, Anesthesiology Institute  
Cleveland Clinic, Ohio, USA

### Ashish K. Khanna

Department of Anesthesiology, Section on Critical Care Medicine,  
Wake Forest School of Medicine, Wake Forest Baptist Health,  
Winston-Salem, North Carolina, USA

### Juan P. Cata

Department of Anesthesiology and Perioperative Medicine, MD  
Anderson Cancer Center, Houston, Texas, USA

### Kurt Ruetzler

Department of Outcomes and General Anesthesiology, Cleveland,  
Ohio, USA



#### Publisher Contact

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

34093 İstanbul, Turkey

Phone: +90 (530) 177 30 97

E-mail: info@galenos.com.tr/yayin@galenos.com.tr

Web: www.galenos.com.tr Publisher Certificate Number: 14521

Publishing Date: June 2024

E-ISSN: 2667-6370

International scientific journal published bimonthly.



# Turkish Journal of Anaesthesiology & Reanimation

Please refer to the journal's webpage (<https://turkjanaesthesiolreanim.org/>) for “Ethical Policy”, “Instructions to Authors” and “Instructions to Reviewers”.

The editorial and publication process of the Turkish Journal of Anaesthesiology and Reanimation 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. Turkish Journal of Anaesthesiology and Reanimation is indexed in **PubMed Central, Web of Science - Emerging Sources Citation Index, Scopus, DOAJ, TUBITAK ULAKBIM TR Index, China National Knowledge Infrastructure (CNKI), EMBASE, EmCare, CINAHL, ProQuest** and **Gale**.

The journal is published online.

**Owner:** Ali Fuat Erdem on behalf of the Turkish Anesthesiology and Reanimation Association

**Responsible Manager:** Zekeriyya Alanoğlu



## Contents

### Review Article

#### Paediatric Anaesthesia

- Perioperative Fluid Management in Paediatric Liver Transplantation: A Systematic Review ..... 83  
*Raihanita Záhra, Andi Ade Wijaya Ramlan, Christopher Kapuangan, Rahendra Rahendra, Komang Ayu Ferdiana, Arif Hari Martono Marsaban, Aries Perdana, Nathasha Brigitta Selene*

### Original Articles

#### Obstetric Anaesthesia

- Effect of Bilateral Erector Spinae Plane Block on Postoperative Analgesia in Cesarean Section Under Spinal Anaesthesia: A Prospective Randomized Controlled Trial ..... 93  
*Bengi Şafak, Onat Bermede, Süheyla Karadağ Erkoç, Volkan Baytaş, Bulut Varlı, Asuman Uysalel*

#### Paediatric Anaesthesia

- The Ventilatory Changes of Pediatric Peroral Endoscopic Myotomy Patients ..... 101  
*Mete Manici, Agah Rauf İşgüzar, Umut Deniz Adanur, Yavuz Gürkan, Muhammed Selman Söğüt, Fatih Aslan, Çiğdem Arkan*

#### Perioperative Care

- How to Prevent Ventilator-Induced Lung Injury in Intraoperative Mechanical Ventilation? A Randomized Prospective Study ..... 107  
*Mesut Türk, Furkan Tontu, Sinan Aşar, Nalan Saygı Emir, Gülsüm Oya Hergünel*

#### Cardiovascular and Thoracic Anaesthesia

- Comparison of Propofol and Sevoflurane Anaesthesia in Terms of Postoperative Nausea-Vomiting Complication in Cardiac Surgery Patients Undergoing Enhanced Recovery After Surgery Protocol: A Prospective Randomized Study ..... 113  
*Ashhan Aykut, Nevriye Salman, Zeliha Aşh Demir, Ayşegül Özgök, Serdar Günaydın*

### Case Report

#### Airway Management

- Alternative Hybrid Technique of Intubation Using C-MAC and Yankauer Suction Catheter: Case of A Floppy Supraglottic Mass... 122  
*Renjith Viswanath, Sryma PB, Krishnendu S*