



Turkish Journal of Anaesthesiology & Reanimation

Volume 54 • Issue 1 • February 2026

Attitudes of Anaesthesiology Specialists
and Residents Toward Hemodynamic
Monitoring: A National Survey Study

*Gamze Talih, Aslıhan Aykut, Burhan Dost, Emre Sertaç
Bingöl, Başak Akça, Muhammed Enes Aydın, Z. Aslı Demir,
Ümit Karadeniz, Ali Fuat Erdem*

Page 32

Current Trends in Anaesthesia Monitoring:
A Survey Study

*Muhammet Selman Söğüt, Yasemin Sincer, Ergün Mendeş,
Yavuz Gürkan*

Page 49



Turkish Journal of Anaesthesiology & Reanimation

EDITOR-IN-CHIEF

Zekeriyya Alanoğlu

Washington University in St Louis School of Medicine, St Louis, United States
zekeriyya_69@yahoo.com
ORCID ID: 0000-0003-4967-5829

Associate Editors

Alper Kılıçaslan

Necmettin Erbakan University Meram Medical Faculty, Selçuk University Meram Medical Faculty, Konya, Türkiye
dralperkilicaslan@gmail.com
ORCID ID: 0000-0002-2570-5854

Özlem Selvi Can

Ankara University Faculty of Medicine, Ankara, Türkiye
ozlemscan@gmail.com
ORCID ID: 0000-0002-1927-9238

Serkan Tulgar

Bahçeşehir University Faculty of Medicine, Göztepe Medical Park Hospital, İstanbul, Türkiye
serkantulgar.md@gmail.com
ORCID ID: 0000-0003-1996-7505

SECTION EDITORS

Airway Management

Kamil Tokar

Başkent University İstanbul Hospital, Clinic of Anaesthesiology and Reanimation, İstanbul, Türkiye
tokerkamil@yahoo.com
ORCID ID: 0000-0002-3168-0489

Aysun Ankay Yılbaş

Hacettepe University School of Medicine, Department of Anaesthesiology and Reanimation, Ankara, Türkiye
aysunankay@hotmail.com
ORCID ID: 0000-0001-6196-3191

Cardiovascular and Thoracic Anaesthesia

Ash Z. Demir

Health Science University, Ankara Bilkent City Hospital, Clinic of Anaesthesiology, Ankara, Türkiye
zaslidem@yahoo.com
ORCID ID: 0000-0003-3053-0443

Onat Bermede

Washington University in St. Louis, Department of Anaesthesiology, St. Louis, USA; Ankara University School of Medicine, Ankara, Türkiye
onatbermede@hotmail.com
ORCID ID: 0000-0002-8598-6264

Geriatric Anaesthesia

Ersin Köksal

Ondokuz Mayıs University School of Medicine, Department of Anaesthesiology and Reanimation, Samsun, Türkiye
ersin.köksal@omu.edu.tr
ORCID ID: 0000-0003-1780-151X

Musa Zengin

University of Health Sciences Türkiye, Ankara Etlik City Hospital, Clinic of Anaesthesiology and Reanimation, Ankara, Türkiye
musazengin@gmail.com
ORCID ID: 0000-0003-2249-6521

Intensive Care and Palliative Care

Seda Banu Akıncı

Hacettepe University School of Medicine, Department of Anaesthesiology and Reanimation, Ankara, Türkiye
sedabanu@hacettepe.edu.tr
ORCID ID: 0000-0002-8538-6955

Hatem Soliman Aboumarie

Harefield Hospital, School of Cardiovascular Medicine and Sciences at King's College London, United Kingdom
hatem.soliman@gmail.com
ORCID ID: 0000-0002-3254-6820

Neuroanaesthesia

Başak Ceyda Meço

Ankara University School of Medicine, Department of Anaesthesiology and Reanimation, Ankara, Türkiye
basakceyda@hotmail.com
ORCID ID: 0000-0003-2951-9634

Başak Akça

Hacettepe University School of Medicine, Department of Anaesthesiology and Reanimation, Ankara, Türkiye
drbasakakca@gmail.com
ORCID ID: 0000-0003-4069-2462



Turkish Journal of Anaesthesiology & Reanimation

Obstetric Anaesthesia

Tülay Şahin

Kocaeli University School of Medicine, Department of Anaesthesiology and Reanimation, Kocaeli, Türkiye
tulaydogac@gmail.com
ORCID ID: 0000-0002-3921-8037

Elif Bengi Şener

Ondokuz Mayıs University School of Medicine, Department of Anaesthesiology and Reanimation, Samsun, Türkiye
bengimd@gmail.com
ORCID ID: 0000-0001-9803-2323

Ayça Taş Tuna

Sakarya University School of Medicine, Department of Anaesthesiology and Reanimation, Sakarya, Türkiye
aycatas@yahoo.com
ORCID ID: 0000-0001-6764-2647

Orthopaedic Anaesthesia

Nezih Sertöz

Ege University School of Medicine, Department of Anaesthesiology and Reanimation, İzmir, Türkiye
nezihsertoz@gmail.com
ORCID ID: 0000-0001-7331-7090

Emine Aysu Şalvız

Washington University in St. Louis, Department of Anaesthesiology, St. Louis, USA
aysusalviz@gmail.com
ORCID ID: 0000-0002-8170-6827

Outpatient Anaesthesia

Yücel Karaman

Health Sciences University, İzmir Faculty of Medicine, Department of Anaesthesiology and Reanimation, İzmir, Türkiye
dr_ykaraman@hotmail.com
ORCID ID: 0000-0002-4689-712X

Özlem Öz Gergin

Erciyes University School of Medicine, Department of Anaesthesiology and Reanimation, Kayseri, Türkiye
ozlemozgergin@gmail.com
ORCID ID: 0000-0002-1720-0194

Paediatric Anaesthesia

Ayşe Çiğdem Tütüncü

İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, Department of Anaesthesiology and Reanimation, İstanbul, Türkiye
actutuncu@gmail.com
ORCID ID: 0000-0003-2608-4778

Filiz Üzümcügil

Hacettepe University School of Medicine, Department of Anaesthesiology and Reanimation, Ankara, Türkiye
filizuzumcugil@hotmail.com
ORCID ID: 0000-0001-9161-3248

Perioperative Care

Alessandro De Cassai

University of Padua, Department of Medicine DIMED, Padua, Italy
alessandro.decassai@unipd.it
ORCID ID: 0000-0002-9773-1832

Onur Selvi

Department of Anaesthesia, St George's University Hospitals NHS Foundation Trust, London, UK
prostel@yahoo.com
ORCID ID: 0000-0003-4503-9462

Regional Anaesthesia

Yavuz Gürkan

İstanbul Koş University Hospital, Department of Anaesthesiology and Reanimation, İstanbul, Türkiye
yavuzgurkanmd@gmail.com
ORCID ID: 0000-0002-2307-6943

Ali Ahıskaloğlu

Atatürk University School of Medicine, Department of Anaesthesiology and Reanimation, Erzurum, Türkiye
aliahiskalioglu@hotmail.com
ORCID ID: 0000-0002-8467-8171

Pain

Ruhiye Reisli

Necmettin Erbakan University School of Medicine, Department of Anaesthesiology and Reanimation, Clinic of Algology, Konya, Türkiye
ruhiyereisli@gmail.com
ORCID ID: 0000-0002-1616-5497

Suna Akın Takmaz

University of Health Sciences Türkiye, Ankara Training and Research Hospital, Clinic of Algology, Ankara, Türkiye
satakamaz@gmail.com
ORCID ID: 0000-0002-0805-0550

Translational Research

Şule Özbilgin

Dokuz Eylül University Hospital, Department of Anaesthesiology and Intensive Care, İzmir, Türkiye
ozbilginsule@gmail.com
ORCID ID: 0000-0002-2940-8988

Fatma Kavak Akelma

Ankara Yıldırım Beyazıt University Faculty of Medicine, Department of Anaesthesiology and Reanimation, Ankara, Türkiye
fatmakavak@yahoo.com
ORCID ID: 0000-0003-3647-7516



Turkish Journal of Anaesthesiology & Reanimation

Social Media Editor

Ceyda Özhan Çaparlar^{ORCID}

University of Health Sciences Türkiye, Ankara Etlik City Hospital,
Ankara, Türkiye
mdceydacaparlar@yahoo.com
ORCID ID: 0000-0001-5306-1956

Burhan Dost^{ORCID}

Ondokuz Mayıs University School of Medicine, Department of
Anaesthesiology and Reanimation, Samsun, Türkiye
burhandost@hotmail.com
ORCID ID: 0000-0002-4562-1172

Consultants in Biostatistics

Naci Murat^{ORCID}

Ondokuz Mayıs University Department of Industrial Engineering,
Samsun, Türkiye
nacimurat@omu.edu.tr
ORCID ID: 0000-0003-2655-2367

Ferruh Ayoğlu^{ORCID}

Zonguldak Bulent Ecevit University Faculty of Medicine, Zonguldak,
Türkiye
fayoglu@yahoo.com
ORCID ID: 0000-0003-3266-1519

Pınar Günel^{ORCID}

Sanko University School of Medicine, Gaziantep, Türkiye
gunelpinar@yahoo.com
ORCID ID: 0000-0003-3768-2351

Fatma Ezgi Can^{ORCID}

Katip Çelebi University School of Medicine, İzmir, Türkiye
fatmaezgican@gmail.com
ORCID ID: 0000-0002-1953-7735

Gülser Çalışkan^{ORCID}

Department of Medical Epidemiology and Biostatistics, Karolinska
Institutet, Solna, Sweden
gulser.caliskan@ki.se
ORCID ID: 0000-0003-2370-349X

EDITORIAL BOARD

Jan Bakker^{ORCID}

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^{ORCID}

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

Can İnce^{ORCID}

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

Jan Peter Jantzen^{ORCID}

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

Zsolt Molnar^{ORCID}

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

Rolf Rossaint^{ORCID}

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

Philippe Scherpereel^{ORCID}

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

Alparslan Turan^{ORCID}

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

Ashish K. Khanna^{ORCID}

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^{ORCID}

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

Kurt Ruetzler^{ORCID}

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



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/yayin@galenos.com.tr
Web: www.galenos.com.tr
Publisher Certificate Number: 14521

Publishing Date: February 2026

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: Prof. Jülide Ergil on behalf of the Turkish Anesthesiology and Reanimation Association

Responsible Manager: Zekeriyya Alanoğlu



Contents

Editorial

Editorial Comment

- Make the Invisible Visible: Abandoning Comfortable Blindness in Anaesthesia 1
Özlem Selvi Can, Alper Kılıçaslan, Serkan Tulgar, Zekeriyya Alanoğlu

Review Articles

Neuroanaesthesia

- Fluid-therapy for Brain Surgery: A Narrative Review 3
Maria Paola Lauretta, Luca Marino, Başak Akça, Boaz G. Samolsky Dekel, Federico Bilotta

Intensive Care

- Base Excess and Beyond: Evolving Concepts in Acid-base Analysis 9
Özge Köner, Tuğhan Utku, Kubilay Demirağ, Levent Döşemeci

Original Articles

Airway Management

- Comparative Evaluation of Videolaryngoscopy and Direct Laryngoscopy Performed in Paediatric Patients Undergoing Elective Surgery 15
Tuncer Yavuz, Lütfiye Pirbudak, Elzem Şen, Ayşe Mızrak

Neuroanaesthesia

- Craniotomy in Semi-sitting Position: A 4-year Single Institution Experience 23
Arunabha Karmakar, Muhammad Jaffar Khan, Ayten Saraçoğlu, Merve Ergenç, Mogahed Ismail Hassan Hussein, Mohammed Janish, Kemal Tolga Saraçoğlu, Kishore Kumar Gangineni, Pawel Ratajczyk, Neeraj Kumar

Perioperative Care

- Attitudes of Anaesthesiology Specialists and Residents Toward Hemodynamic Monitoring: A National Survey Study 32
Gamze Talih, Aslıhan Aykut, Burhan Dost, Emre Sertaç Bingöl, Başak Akça, Muhammed Enes Aydın, Z. Aslı Demir, Ümit Karadeniz, Ali Fuat Erdem

Geriatric Anaesthesia

- Comparison of the Effects of Target-Controlled Versus Conventional Infusion Sedation on Recovery in Geriatric Patients Undergoing Diagnostic Cystoscopy 40
Nesibe Sena Bayburt, Fatma Nur Duruk Erkent, Ayşegül Güven, Neslihan Alkış



Contents

Perioperative Care

- Current Trends in Anaesthesia Monitoring: A Survey Study 49
Muhammet Selman Söğüt, Yasemin Sincer, Ergün Mendeş, Yavuz Gürkan

Regional Anaesthesia

- Ultrasound-guided Deep Iliacus Plane Block (DIPB): Cadaveric Evaluation and Pilot Retrospective Evaluation of Another Novel Fascial Plane Block for Hip Analgesia..... 55
Serkan Tülğar, Bahadır Çiftçi, Bediha Köyuncu, Ali Ahıskahoğlu, Selçuk Alver, Bora Bilal, Bayram Ufuk Sakul, Ebru Otu, Madan Narayanan, Hacı Ahmet Alıcı

Perioperative Care

- A Retrospective Cohort Study on The Impact of the Enhanced Recovery After Surgery with Safe Brain Initiative on Total Knee Arthroplasty Outcomes in Türkiye 62
Berna Çalışkan, Şahan Dağlar, Mine Gürsaç Çelik, Başak Ceyda Meço, Finn M. Radtke

Case Reports

Cardiovascular and Thoracic Anaesthesia

- Anaesthetic Management and Multidisciplinary Approach in a Case of Aortic Foreign Body Impalement Following Thoracolumbar Instrumentation..... 71
Burhan Dost, Esra Turunç, Belkıs Eroğlu Çelik, Yunus Emre Durmuş, Mustafa Kemal Demirağ

Obstetric Anaesthesia

- Perioperative Diagnosis of Acute Pulmonary Embolism Following Laparoscopic Hysterectomy Under General Anaesthesia: A Rare Case Report 75
Thang Phan, Lanh Tran Thi Thu, Trong Binh Le, Braydon Bak, Minh Nguyen Van

Letter to the Editor

- Triple Nerve Analgesia Block for Facial Dog-bite Laceration in a Child 81
Bheemas B. Atlapure, Mahammad Azeez Aspari, Dalim Kumar Baidya, Habib M. Rezaul Karim