

Volume 33 Issue 1 January 2024

Page 8

Complexities and
Outcomes of Pulmonary
Hypertension in Kidney
Transplant Patients: A
Comprehensive Review

Page 59

A New Equation in the Calculation of Osmolality Before and After Hemodialysis Session





Editor in Chief

Rümeyza Kazancıoğlu

n Vakif University School of Medicine, İstanbul, Türkiye Division of Nephrology, Bezmia

Editors

Ali Düzova

Division of Pediatric Nephrology, Hacettepe University, School of Medicine, Ankara, Türkiye

Ferruh Artunç

Division of Nephrology, Tuebingen University, Tuebingen, Germany

Meltem Gürsu

Division of Nephrology, Bezmialem Vakif University School of Medicine, İstanbul, Türkiye

Özkan Güngör

Division of Nephrology, Kahramanmaraş Sütçü İmam University School of Medicine, Kahramanmaraş, Türkiye

Savaş Öztürk

Division of Nephrology, İstanbul University School of Medicine, İstanbul, Türkiye

Sedat Üstündağ

Division of Nephrology, Trakya University School of Medicine, Edirne, Türkiye

Sena Ulu

Department of Nephrology, Bahçeşehir University Faculty of Medicine, Istanbul, Türkiye

Previous Editors in Chief Bülent Tokgöz

Division of Nephrology Erciyes University School of Medicine, Kayseri, Türkiye

Ekrem Erek

İstanbul University Cerrahpaşa School of Medicine, İstanbul, Türkiye

Emel Akoğlu

Marmara University School of Medicine, İstanbul, Türkiye

Cengiz Utaş

Erciyes University School of Medicine, Kayseri, Türkiye

Bülent Altun

Hacettepe University School of Medicine, Ankara,

Bioistatistics Editor Gökmen Zararsız

Division of Biostatistics and Informatics, Erciyes University School of Medicine, Kayseri, Türkiye

Editorial Board

Ali Abu-Alfa

Division of Nephroloy, American University of Beirut Faculty of Medicine, Beirut, Lebanon

Demet Eğlenoğlu Alaygut

Division of Nephrology, İzmir Health S University, Tepecik Training and Research Hospital, İzmir, Türkiye

Bülent Altun

Division of Nephrology, Hacettepe University School of Medicine, Ankara, Türkiye

Mustafa Arıcı

Division of Nephrology, Hacettepe University School of Medicine, Ankara, Türkiye

Turgay Arinsoy

Division of Nephrology, Gazi University School of Medicine, Ankara, Türkiye

Kenan Ateş

Division of Nephrology, Ankara University School of Medicine, Ankara, Türkiye

Jonas Axelsson

Division of Clinical Immunology, Karolinska University Hospital, Stockholm, Sweden

Peter Barany

Division of Clinical Science, Intervention and Technology, Stockholm Sweden

Vecihi Batuman

Division of Nephrology, Tulane Univeristy School of Medicine, Los Angeles, USA

Juan Jesus Carrero

Department of Medical Epidemiology and Biostatistics, Karolinska Institute, Solna, Sweden

Taner Çamsarı

Division of Nephrology, Dokuz Eylül University School of Medicine, İzmir, Türkiye

Ülver Derici

Division of Nephrology, Gazi University School of Medicine, Ankara, Türkiye

Soner Duman

Division of Nephrology, Ege University School of Medicine, İzmir, Türkiye

Tevfik Ecder

Division of Nephrology, Istanbul Bilim University School of Medicine, İstanbul, Türkiye

Ethics Editor

Berna Arda

Division of History of Medicine and Medical Ethics, Ankara University School of Medicine, Ankara, Türkiye

Fevzi Ersoy

Division of Nephrology, Akdeniz University School of Medicine, Antalya, Türkiye

Mohamed Hassanein

Division of Nephrology and Hypertension, University of Mississippi Medical Center, Jackson, MS, USA

Talat Alp İkizler

Division of Nephrology, Department of Medicine, Vanderbilt University Medical Center, Nashville, Tennessee, USA

Mehmet Kanbay

Division of Nephrology, Koç University School of Medicine, İstanbul, Türkiye

Norbert Lameire

Division of Nephrology, Ghent University School of Medicine and Health Sciences, Ghent, Belgium

Bengt Lindholm

Department of Clinical Sciences, Intervention and Technology (CLINTEC), Karolinska Institute,

Francesca Mallamaci

Division of Nephrology, Hypertension and Renal Transplantation, Ospedali Riuniti, Reggio Cal, Italy

Frcan Ok

Division of Nephrology, Ege University School of Medicine, İzmir, Türkiye

Alberto Ortiz

Division of Nephrology, University Autonoma of Madrid, Madrid, Spain

Nurhan Seyahi

Division of Nephrology, İstanbul University Cerrahpaşa School of Medicine, İstanbul, Türkiye

Kamil Serdengeçti

Emeritus Professor, Division of Nephrology, İstanbul University Cerrahpaşa School of Medicine, İstanbul, Türkiye

Mehmet Şükrü Sever

Department of Internal Medicine, Division of Nephrology, İstanbul Faculty of Medicine, Istanbul University, İstanbul, Türkiye

Lale Sever

Division of Pediatric Nephrology, Department of Pediatrics, İstanbul University-Cerrahpasa School of Medicine, İstanbul, Türkiye

Siren Sezer

Division of Nephrology, Atılım University School of Medicine, Ankara, Türkiye

Gültekin Süleymanlar

Division of Nephrology, Akdeniz University School of Medicine, Antalya, Türkiye

Peter Stenvinkel

Division of Renal Medicine, Karolinska Institutet, Solna Sweden

Vladimir Tesar

Department of Nephrology, 1st Faculty of Medicine and General University Hospital, Charles University, Prague, Czech Republic

Bülent Tokgöz

Division of Nephrology Erciyes University School of Medicine, Kayseri, Türkiye

Zeki Tonbul

Division of Nephrology, Necmettin Erbakan University School of Medicine, Konya, Türkiye

Hüsevin Töz

Division of Nephrology, Ege University School of Medicine, Ankara, Türkiye

Serhan Tuğlular

Division of Nephrology, Marmara University School of Medicine, İstanbul, Türkiye

Aydın Türkmen

Division of Nephrology, İstanbul University School of Medicine, İstanbul, Türkiye

Kültigin Türkmen

Division of Nephrology, Necmettin Erbakan University, Meram School of Medicine, Konya, Türkiye

Raymond Vanholder

Division of Nephrology, University Hospital Ghent, Ghent, Belgium

Abdulgaffar Vural

Emeritus Professor, Gülhane Military Academy School of Medicine, Ankara, Türkiye

Alaattin Yıldız

Division of Nephrology, İstanbul University School of Medicine, İstanbul, Türkiye

Carmine Zoccali

Nephrology, Dialysis and Transplantation Unit, Ospedali Riuniti, Reggio Calabria, Italy



Founder İbrahim KARA

General Manager Ali ŞAHİN

Finance Coordinator Sinem FEHİME İLHAN

Journal Managers Deniz KAYA Irmak BERBEROĞLU Arzu ARI

Publications Coordinators

Alara ERGİN İrem ÖZMEN Derya AZER Beril TEKAY Nisanur ATICI Seref Mert GÜCÜN Simge AKKAŞ

Web Specialists Erdem ERCİVAN Doğan ORUÇ

Project Assistant Batuhan KARA

Editor in Chief: Rümeyza Kazancıoğlu Address: Division of Nephrology, Bezmialem Vakif University School of Medicine, İstanbul, Türkiye E-mail: info@turkjnephrol.org

Publishing Services: AVES Address: Büyükdere Cad. 199/6, 34394, Şişli, İstanbul, Türkiye Phone: +90 212 217 17 00 E-mail: info@avesyayincilik.com Web page: avesyayincilik.com



About the Turkish Journal of Nephrology

Turkish Journal of Nephrology is a peer reviewed, open access, online-only journal published by the Turkish Society of Nephrology.

Turkish Journal of Nephrology is a quarterly journal that is published in English in January, April, July, and October.

Journal History

As of January 2019, the journal has changed its title to Turkish Journal of Nephrology.

Current Title (2019-)

Turkish Journal of Nephrology EISSN: 2667-4440

Previous Title (1995-2018)

Turkish Nephrology, Dialysis and Transplantation Journal

ISSN: 1300-7718

Abstracting and Indexing

Turkish Journal of Nephrology is covered in the following abstracting and indexing databases; Web of Science-Emerging Sources Citation Index, Scopus, DOAJ, EBSCO, Gale, CNKI, TUBITAK ULAKBIM TR Index.

All content published in the journal is permanently archived in Portico.

Aims, Scope, and Audience

Turkish Journal of Nephrology aims to publish studies of the highest scientific and clinical value, and encourages the submission of high-quality research that advances the understanding and treatment on the fields of nephrology, dialysis and transplantation.

Turkish Journal of Nephrology covers a wide range of topics related to etiology, pathogenesis and treatment of kidney diseases, hypertension, acid-base and electrolyte disorders, dialysis therapies, kidney transplantation. In addition, studies focusing on socioeconomic aspects of kidney diseases and their treatments are also of interest to the journal.

Turkish Journal of Nephrology publishes original articles, reviews, letters to the editor, editorial comments, opinion articles, and images in nephrology that are prepared in accordance with the ethical guidelines.

Turkish Journal of Nephrology also contributes to the literature by publishing summaries from the Annual Registry Report of the Turkish Society of Nephrology. The society has been collecting data on end-stage kidney disease since 1990 that has turned into the most comprehensive regional archive. Turkish Journal of Nephrology aims to share this regional data with the international community.

The target audience of the journal includes specialists and professionals working and interested in all disciplines of nephrology and kidney care.

Open Access Policy

Turkish Journal of Nephrology is an open access publication.

Starting on January 2019, all content published in the journal is licensed under the Creative Commons Attribution (CC BY) 4.0 International License which allows third parties to use the content for non-commercial purposes as long as they give credit to the original work. This license allows for the content to be shared and adapted for non-commercial purposes, promoting the dissemination and use of the research published in the journal.

The content published before January 2019 was licensed under a traditional copyright, but the archive is still available for free access.

All published content is available online, free of charge at https://turkjnephrol.org/EN.

Copyright Policy

A Copyright Agreement and Acknowledgement of Authorship form should be submitted with all manuscripts. By signing this form, authors agree that the article, if accepted for publication by the Turkish Journal of Nephrology, will be licensed under a Creative Commons Attribution (CC BY) 4.0 International License which allows third parties to read, copy and redistribute the material in any format and adapt the material for any purpose immediately upon publication by giving the appropriate credit to the original work.

Publication Fee Policy

Turkish Journal of Nephrology is funded by the Turkish Society of Nephrology. Authors are not required to pay any fees during the evaluation and publication process.

You can find the current version of the Instructions to Authors at https://turkjnephrol.org/en/instructions-to-authors-1013



Contents

Editorial	1
Acknowledgement of Reviewers	2
Review Articles	
On "Self-Citation" in Academic Publications Hanife Neris Yüksel Sezer Cihaner Keser, Taner Çamsarı	4
Complexities and Outcomes of Pulmonary Hypertension in Kidney Transplant Patients: A Comprehensive Review Krista L. Lentine , Deborah J. Levine , James R. Runo , Yasar Caliskan , Salvatore P. Costa , Ngan N. Lam , David A. Axelrod , Kenneth J. Woodside	8
Pleuroperitoneal Leakage – Is This the End of Peritoneal Dialysis? Ferruh Artunç	27
Original Articles	
Clinical Skills Training: Do Medical Students Have Enough Knowledge of Accurate Blood Pressure Measurement When They Graduate Ceren Canturk , Ercan Turkmen , Melda Dilek , Hayriye Sayarlioglu , Nurol Arik	33
A Survey-Based Study on Attitudes of The Clinicians Toward Contrast-Induced Nephropathy: Which Drugs to Discontinue? Nuri Barış Hasbal, Sidar Copur, Dimitrie Siriopol, İbrahim Batuhan Peltek, Ali Mutlu, Bahar Tekin Çetin, Mehmet Kanbay	40
Predicting Chronic Kidney Disease Progression from Cardiac Fibrosis: An Interplay Between Two Major Organ Systems Sidar Copur, Haydar Can Dokuyan, Terman Gumus, Ecem Kalemoglu, Nuri Baris Hasbal, Mehmet Kanbay	47
Serum Parathyroid Hormone Levels and All-Cause Mortality Risk in Hemodialysis Patients in the Black Sea Region of Türkiye Emre Erdem , Süleyman Tevfik Ecder	53
A New Equation in the Calculation of Osmolality Before and After Hemodialysis Session Muhammed Seyithanoglu , Yaşarcan Baykişi , Orçun Altunören	59
A Pragmatic Approach to Derogate Dialysate-Induced Body Composition Bias in Peritoneal Dialysis Patients: Insight from a Single-Center Study* Shi-Wah Lee , Zulfitri Azuan Mat Daud , Jun-Hao Lim , Cordelia-Kheng-May Lim , Imliya Ibrahim , Yoke-Mun Chan , Nor Fadhlina Zakaria	68
Protective Roles of <i>Grewia asiatica, Basella alba, Solanum nigrum</i> , and <i>Ficus carica</i> Fruit Extracts in Carbon Tetrachloride-Induced Kidney Toxicity in a Mice Model Syeda Nadia Ahmad, Khawaja Raees Ahmad, Syeda Ayesha Ahmed, Saira Siddique, Sadia Suleman, Asma Younis	76
Frailty and Dependency in Kidney Transplant Candidates Aynura Rustamzade , Dilek Barutcu Atas , Canan Şanal Toprak , Asli Tufan , Arzu Velioglu , Serhan Tuglular	83
The Effect of Preformed Anti-Human Leukocyte Antigens Antibodies on Graft and Patient Outcomes in Kidney Transplantation* Mert Karaoğlan, Gizem Kumru, Rezzan Eren Sadioğlu, Merve Aktar, Şayeste Akkan Eren, Saba Kiremitçi, Sim Kutlay, Şehsuvar Ertürk, Kenan Keven, Şule Şengül	91
Do Xenogeneic Anti-HLA-A3 Antibody Cause Antibody-Mediated Rejection in Kidney Transplant? Sebahat Usta Akgül, Sonay Temurhan, Çiğdem Kekik Çınar, Hayriye Şentürk Çiftçi, Adem Bayraktar, Erol Demir, Ali Rıza Uçar, Hüseyin Bakkaloğlu, Aydın Türkmen, Fatma Savran Oğuz	102





Editorial Comment

Is Blood Pressure Measurement Performed During the Examination? Is it Standardized? Şükrü Ulusoy	110
Letter to the Editors	
Simple Port Approach to Laparoscopic Repair in Continuous Ambulatory Peritoneal Dialysis Andy Zulfiqqar , Indrawarman Soerohardjo , Ahmad Zulfan Hendri , Reza Yorghi Seputro	113
Incidental Severe Hyponatremia with Use of Isabgol: A Rare Case Manish R. Balwani , Amit Pasari , Charulata Bawankule , Amol Bhawane , Priyanka Tolani , Vijay Katekhaye	116
Correspondings	
Sustainability in Nephrology: Addressing the Environmental Impact of Hemodialysis Gulay Demirtas	118
Angiotensin Blockade Beyond Hypertension in Autosomal Dominant Polycystic Kidney Disease Shuqin Mei, Chenchen Zhou, Jiayi Lv, Linlin Cui, Jing Xu,Zhiguo Mao, Cheng Xue	120