



# Turkish Journal of Cerebrovascular Diseases

Formerly: *Türk Beyin Damar Hastalıkları Dergisi*



Volume: 31 Issue: 3 Year: 2025

## RESEARCH ARTICLES

### Posterior Circulation Stroke: Diagnostic and Therapeutic Challenges in the Emergency Department

Posterior Dolařım İnmesi: Acil Serviste Tanı ve Tedavi Zorlukları

Aydođdu İ, Özakin E, Özdemir AÖ, et al.

### Demographic and Clinical Data of Moyamoya Patients

Moyamoya Hastalarının Demografik ve Klinik Verileri

Dođan H, Çekim F, Yardım Aİ, et al.

**Editor in Chief****ID Mehmet Akif Topçuoğlu**Department of Neurology, Hacettepe University  
Faculty of Medicine, Ankara, Türkiye**Associate Editors****ID Atilla Özcan Özdemir**Department of Neurology, Eskişehir Osmangazi  
University Faculty of Medicine, Eskişehir, Türkiye**ID Ethem Murat Arsava**Department of Neurology, Hacettepe University  
Faculty of Medicine, Ankara, Türkiye**ID Nihat Şengeze**Department of Neurology, Süleyman Demirel  
University Faculty of Medicine, Isparta, Türkiye**ID Özlem Aykaç**Department of Neurology, Eskişehir Osmangazi  
University Faculty of Medicine, Eskişehir, Türkiye**Language Editor****ID İbrahim Levent Güngör**Department of Neurology, Ondokuz Mayıs University  
Faculty of Medicine, Samsun, Türkiye**Biostatistics Editor****ID Lemar Tomak**Department of Biostatistics & Med. Informatics, Ondokuz  
Mayıs University Faculty of Medicine, Samsun, Türkiye**Ethical Issues Editor****ID Nesrin Çobanoğlu**Department of Med. Ethics & History of Medicine,  
Gazi University Faculty of Medicine, Ankara, Türkiye**Previous Editors****Gazi Özdemir (1995-2005)**Department of Neurology, Eskişehir Osmangazi  
University Faculty of Medicine, Eskişehir, Türkiye**Nevzat Uzuner (2005-2017)**Department of Neurology, Eskişehir Osmangazi  
University Faculty of Medicine, Eskişehir, Türkiye**Atilla Özcan Özdemir (2017-2020)**Department of Neurology, Eskişehir Osmangazi  
University Faculty of Medicine, Eskişehir, Türkiye**Advisory Board****Ali Ünal**Department of Neurology, Faculty of Medicine Akdeniz  
University, Antalya, Türkiye**Ayça Özkul**Department of Neurology, Başakşehir Çam ve Sakura City  
Hospital, İstanbul, Türkiye**Aysel Milanlioğlu**Department of Neurology, Faculty Of Medicine Yüzüncü Yıl  
University, Van, Türkiye**Ayşe Güler**Department of Neurology, Faculty of Medicine Ege  
University, İzmir, Türkiye**Babür Dora**Department of Neurology, Faculty of Medicine Akdeniz  
University, Antalya, Türkiye**Bijen Nazliel**Department of Neurology, Faculty of Medicine Gazi Uni-  
versity, Ankara, Türkiye**Bilgehan Atılgan Acar**Department of Neurology, Sakarya University Training and  
Research Hospital, Sakarya, Türkiye**Birsan İnec**Department of Neurology, Cerrahpaşa Faculty of Medicine  
İstanbul University, İstanbul, Türkiye**Çetin Kürşad Akpınar**Department of Neurology, Samsun Training and Research  
Hospital, Samsun, Türkiye**Demet Funda Baş**Department of Neurology, Faculty of Medicine Biruni  
University, İstanbul, Türkiye**Dilaver Kaya**Department of Neurology, Faculty of Medicine Acıbadem  
University, İstanbul, Türkiye**Elif Sarıönder Gençer**Department of Neurology, Memorial Hospital, Antalya,  
Türkiye**Emrah Aytaç**Department of Neurology, Faculty of Medicine Fırat  
University, Elazığ, Türkiye**Emre Özkar**Department of Neurosurgery, Faculty of Medicine Eskişehir  
Osmangazi University, Eskişehir, Türkiye**Erdem Gürkaş**Department of Neurology, Kartal Dr. Lütfü Kırdar Training  
and Research Hospital, İstanbul, Türkiye**Erdem Yaka**Department of Neurology, Faculty of Medicine Dokuz Eylül  
University, İzmir, Türkiye**Eşref Akıl**Department of Neurology, Faculty of Medicine Dicle  
University, Diyarbakır, Türkiye**Eylem Değirmenci Teke**Department of Neurology, Faculty of Medicine Pamukkale  
University, Denizli, Türkiye**Gökhan Özdemir**Department of Neurology, Faculty of Medicine Selçuk  
University, Konya, Türkiye**Hadiye Şirin**Department of Neurology, Faculty of Medicine Ege Univer-  
sity, İzmir, Türkiye**Hakan Ay**Department of Neuroimaging and Neuroscience, Massa-  
chusetts General Hospital, Boston, USA**Hale Zeynep Batur Çağlayan**Department of Neurology, Faculty of Medicine Gazi Uni-  
versity, Ankara, Türkiye**Hasan Hüseyin Kozak**Department of Neurology, Meram Faculty of Medicine  
Necmettin Erbakan University Konya, Türkiye**İpek Midi**Department of Neurology, Faculty of Medicine Marmara  
University, İstanbul, Türkiye**Kürşad Kutluk**Department of Neurology, Faculty of Medicine Dokuz Eylül  
University, İzmir, Türkiye**Mahmut Edip Gürol**Department of Neurology, Massachusetts General Hospital  
Harvard Medical School, Boston, USA**Mehmet Uğur Çevik**Department of Neurology, Faculty of Medicine Dicle  
University, Diyarbakır, Türkiye**Muhammed Nur Ögün**Department of Neurology, Faculty of Medicine Abant İzzet  
Baysal University, Bolu, Türkiye**Murat Çabalar**Department of Neurology, Başakşehir Çam ve Sakura City  
Hospital, İstanbul, Türkiye**Mustafa Bakar**Department of Neurology, Faculty of Medicine Uludağ  
University, Bursa, Türkiye**Mustafa Gökçe**Department of Neurology, Faculty of Medicine Sütçü İmam  
University, Kahrmanmaraş, Türkiye**Nazire Afşar**Department of Neurology, Faculty of Medicine Marmara  
University, İstanbul, Türkiye**Nevzat Uzuner**Department of Neurology, Faculty of Medicine Eskişehir  
Osmangazi University Eskişehir, Türkiye**Nilüfer Yeşilot**Department of Neurology, İstanbul Faculty of Medicine  
İstanbul University, İstanbul, Türkiye**Osman Şamil Kozak**Department of Neurology, Abington Memorial Hospital  
Temple University, Pennsylvania, USA**Ossama Yassin Mansour**Department of Neurology, Alexandria Medical School,  
Alexandria, Egypt**Özlem Kayım Yıldız**Department of Neurology, Faculty of Medicine Cumhuriyet  
University, Sivas, Türkiye**Semih Giray**Department of Neurology, Faculty of Medicine Gaziantep  
University, Gaziantep, Türkiye**Şeref Demirkaya**Department of Neurology, Gülhane Faculty of Medicine  
University of Health Sciences, Ankara, Türkiye**Şerefur Öztürk**Department of Neurology, Faculty of Medicine Selçuk  
University, Konya, Türkiye**Talip Asil**Department of Neurology, Faculty of Medicine Biruni  
University, İstanbul, Türkiye**Türkan Acar**Department of Neurology, Sakarya University Training and  
Research Hospital, Sakarya, Türkiye**Vedat Ali Yürekli**Department of Neurology, Faculty of Medicine Süleyman  
Demirel University, Isparta, Türkiye**Vesile Öztürk**Department of Neurology, Faculty of Medicine Dokuz Eylül  
University, İzmir, Türkiye**Yusuf İnanç**Department of Neurology, Faculty of Medicine Gaziantep  
University Gaziantep, Türkiye**Zekeriya Alioğlu**Department of Neurology, Faculty of Medicine Karadeniz  
Teknik University, Trabzon, Türkiye**Zülfikar Arlier**Department of Neurology, Adana City Research and Train-  
ing Hospital, University of Health Sciences, Adana, Türkiye

## About the Turkish Journal of Cerebrovascular Diseases

Turkish Journal of Cerebrovascular Diseases is a peer-reviewed, open access, and online-only scientific journal published by the Turkish Cerebrovascular Diseases Society. The journal is issued three times a year, with publications released in April, August, and December. The official publication language is English.

### Journal History

As of 2025, the journal has transitioned to publishing entirely in English and discontinued the use of its former Turkish title. The journal now continues under its official English name exclusively, reflecting its commitment to international visibility and accessibility.

### Current Title

Turkish Journal of Cerebrovascular Diseases

**Publication Years:** 2025 – present

**ISSN:** 3062-3707

### Previous Title

Türk Beyin Damar Hastalıkları Dergisi

**Publication Years:** 1995 – 2024

**Print ISSN:** 1301-1375

**Electronic ISSN:** 2146-9113

### Abstracting and Indexing

Turkish Journal of Cerebrovascular Diseases is indexed in several prominent international databases, ensuring wide visibility and discoverability:

- EBSCO (2025)
- TÜBİTAK ULAKBİM TR Dizin (2020)
- Türk Medline (1995)
- Embase (1998)

### Aim and Scope

Turkish Journal of Cerebrovascular Diseases aims to publish high-quality studies of significant scientific and clinical value that contribute to the understanding, diagnosis, treatment, and prevention of cerebrovascular diseases. The journal encourages the submission of original research and multidisciplinary perspectives that advance both basic and clinical approaches in the field.

The journal covers a comprehensive range of topics related to cerebral vascular circulation and its disorders, including but not limited to stroke, cerebrovascular occlusive diseases, intracranial hemorrhages, neurocritical care, vascular neurology, interventional neurology, and stroke rehabilitation. Special attention is also given to epidemiology, acute stroke treatment, secondary prevention, and endovascular therapies.

Contributions from a wide array of disciplines are welcomed, including neurology, neurosurgery, internal medicine, rehabilitation, vascular surgery, radiology, nuclear medicine, anesthesiology, neuro-otology, neuro-ophthalmology, critical care medicine, neurophysiology, and neuropathology. The journal publishes a variety of article types, including

original research articles, reviews, short reports, case reports, letters to the editor, editorial comments, opinion pieces, and images of interest, all of which must adhere to internationally recognized ethical and scientific standards.

All submissions are screened for plagiarism using Grammarly and iThenticate software before undergoing double-anonymized peer review.

The target audience of the journal includes clinicians, researchers, and healthcare professionals from all disciplines involved in the care and study of patients with cerebrovascular diseases, as well as those working in neurovascular research and clinical practice.

### Open Access Policy

Turkish Journal of Cerebrovascular Diseases is an open access journal. As of Turkish Society of Cerebrovascular Diseases, all published content is licensed under the Creative Commons Attribution (CC BY) 4.0 International License, which permits third parties to read, share, adapt, and redistribute the material for any purpose, provided that appropriate credit is given to the original work.

Content published prior to this date was covered under traditional copyright. However, the full archive remains freely accessible to readers.

All published material is freely available at [www.tjcvd.org](http://www.tjcvd.org)

Authors retain full copyright and publishing rights without restriction.

When reusing previously published material (including figures, tables, and other content), authors must obtain permission from the original copyright holder. The authors bear full legal, financial, and ethical responsibility in such cases.

### © Copyright Policy

All manuscript submissions must be accompanied by a Copyright Agreement and Acknowledgement of Authorship Form. By signing this document, authors confirm that their article, if accepted, will be published under the CC BY 4.0 license, allowing for unrestricted reuse with proper attribution.

As with other reused content, permission must be obtained for third-party material reused in either digital or print formats. Authors assume full responsibility for securing these permissions.

Authors maintain full and unrestricted copyright ownership of their work published in Turkish Journal of Cerebrovascular Diseases

### Publication Fee Policy

Turkish Journal of Cerebrovascular Diseases is financially supported by Turkish Society of Cerebrovascular Diseases. There are **no submission or publication fees** at any stage of the editorial process.

You can find the current version of the Instructions to Authors at [www.tjcvd.org](http://www.tjcvd.org)

### Publishing Services

Lookus Publishing Solutions

E-mail: [publishing@lookus.net](mailto:publishing@lookus.net)

### Editorial Office

Mehmet Akif Topçuoğlu

E-mail: [bdhd@bdhd.org.tr](mailto:bdhd@bdhd.org.tr)



## Contents - İçindekiler

<b>Editorial - Başkandan</b>	<b>127</b>
<b>Review - Derleme</b>	
<b>The Impairment-Based Therapy Approaches in Aphasia: A Review Study</b>	<b>128</b>
Afazide Bozukluk Temelli Terapi Yaklaşımları: Bir Derleme Çalışması Balo SS, Coşkun EG.	
<b>Research Articles - Özgün Araştırmalar</b>	
<b>Posterior Circulation Stroke: Diagnostic and Therapeutic Challenges in the Emergency Department</b>	<b>135</b>
Posterior Dolaşım İnmesi: Acil Serviste Tanı ve Tedavi Zorlukları Aydoğdu İ, Özakin E, Özdemir AÖ, et al.	
<b>Subtype Reclassification and Cardioembolic Tendency in Patients with Recurrent Ischemic Stroke: A Retrospective Study</b>	<b>141</b>
Tekrarlayan İskemik İnme Hastalarında Alt Tip Değişiklikleri ve Kardiyoembolik Eğilimler: Retrospektif Bir Çalışma Topal A, Özberk Pamuk MB, Doğan H, Akpınar ÇK.	
<b>Unifying Inflammatory and Lipid Pathways: Prognostic Relevance of CRP/HDL-C Ratio in Acute Ischemic Stroke After Mechanical Thrombectomy</b>	<b>147</b>
Enflamatuar ve Lipid Yolaklarının Birleştirilmesi: Mekanik Trombektomi Sonrası Akut İskemik İnmede CRP/HDL-C Oranının Prognostik Önemi Karaaslan F, Yılmaz R, Ertuğrul ÖZ.	
<b>Stroke Prevalence and Stroke-Related Risk Factors from a Gender and Temporal Perspective: What Do Turkish Health Data Tell Us?</b>	<b>153</b>
İnme Sıklığı ve İnme İlişkili Risk Faktörlerinin Cinsiyet ve Zaman Perspektifinden Değerlendirilmesi; Türkiye Sağlık Verileri Bize Ne Söylüyor? Sezgin M, Özel Yıldız S, Yeşilot N.	
<b>Demographic and Clinical Data of Moyamoya Patients</b>	<b>160</b>
Moyamoya Hastalarının Demografik ve Klinik Verileri Doğan H, Çekim F, Yardım Aİ, et al.	
<b>Case Reports - Olgu Sunumları</b>	
<b>Carotid Stent Infection and Pseudoaneurysm Formation: A Case Report and Review of the Literature</b>	<b>166</b>
Karotis Stent Enfeksiyonu ve Psödoanevrizma Oluşumu: Bir Olgu Sunumu ve Literatür Derlemesi Kocatürk M, Nazik M, Özer Yıldırım D, Kocatürk Ö.	
<b>Cerebral Hyperperfusion Syndrome After Carotid Stenting: A Case Report</b>	<b>170</b>
Karotis Stentleme Sonrası Hiperperfüzyon Sendromu: Olgu Sunumu Adıyaman HB, Aykaç Ö, Özdemir AÖ.	
<b>Images in Neurology - Nörolojide Görüntüler</b>	
<b>A Diagnostic Whisper: When Temporal Poles Remain Unscathed in CADASIL</b>	<b>174</b>
Tanıyı Fısıldayan: CADASIL'de Temporal Kutup Lezyonu Olmadığında Yılmaz E, Tuncer MA, Göçmen R, Topçuoğlu MA.	