



Türk
Nöropsikiyatri
Derneği'nin
bilimsel yayın organıdır

Turkish Neuropsychiatric
Society's scientific
publication organ

NÖRO PSİKIYATRİ ARŞİVİ

ARCHIVES OF NEUROPSYCHIATRY

58

Cilt / Volume **58**

Sayı / Issue **2**

Haziran / June **2021**

Otoimmün Demiyelinizan Hasta Serumlarının Beyin Perisitlerinin Sağkalımına Etkisi

Impact of Autoimmune Demyelinating Brain Disease Sera on Pericyte Survival

Canan ULUSOY ve ark., İstanbul, Türkiye

Bipolar Bozuklukta DEHB Ek Tanısı Varlığında Nörobilişsel İşlevler

Neurocognitive Functions in Bipolar Disorder in Relation to Comorbid ADHD

Hidayet Ece ARAT ÇELİK ve ark., İstanbul, İzmir, Türkiye

Multipl Skleroz Hastalarında Huzursuz Bacaklar Sendromu

Restless Legs Syndrome in Multiple Sclerosis

Taşkın GÜNEŞ ve ark., İstanbul, Türkiye

Konversiyon Bozukluğu Olan Hastaların Hipokampusunda ¹HMRS

¹HMRS in the Hippocampus of the Female Patients with Conversion Disorder

Osman MERMİ ve ark., Elazığ, Türkiye

Alzheimer ve Parkinson Hastalarında Optik Koherans Tomografi Bulguları -Nörodejeneratif Hastalıklarda Retinal Değişiklikler

Optical Coherence Tomography Findings in Parkinson's and Alzheimer's Disease -Retinal Changes in Neurodegenerative Disease

Derya BAYRAM ve ark., İstanbul, Türkiye

Şizofreni Hastalarında İzleti ve Anlatı Tedavilerinin Uskuramı ve Toplumsal İşlevsellik Üzerine Etkisi
The Effects of Narrative and Movie Therapy on the Theory of Mind and Social Functioning of Patients with Schizophrenia

Mehmet Buğrahan GÜRCAN ve ark., Kocaeli, Türkiye

NÖRO PSİKIYATRI ARŞİVİ

ARCHIVES OF NEUROPSYCHIATRY

Kurucusu / Founder

İhsan Şükrü Aksel

Sahibi ve Sorumlu Yazışleri Müdürü / Owner and Publishing Manager

Betül Yalçın

Yayın Yönetmenleri / Editors-in-Chief

Almila Erol

Psikiyatri ve Psikoloji Anabilim Dalı, Mayo Kliniği, Rochester, MN, ABD
Mayo Clinics, Department of Psychiatry & Psychology, Rochester, MN, USA
almilaerol@yahoo.com

Erdem Tüzün

İstanbul Üniversitesi Deneysel Tıp Araştırma Enstitüsü, Sinirbilim
Anabilim Dalı, İstanbul, Türkiye
*Department of Neuroscience, İstanbul University, Institution of Experimental
Medicine, İstanbul, Turkey*
drerdem@yahoo.com

Yardımcı Yayın Yönetmenleri / Associate Editors

E. Cem Atbaşoğlu

Ankara Üniversitesi Tıp Fakültesi Emekli Öğretim Üyesi, Ankara, Türkiye
*Retired Faculty Member of Ankara University School of Medicine, Ankara,
Turkey*
atbasoglu@gmail.com

Hacer Durmuş-Tekçe

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı,
İstanbul, Türkiye
*Department of Neurology, İstanbul University İstanbul School of Medicine,
İstanbul, Turkey*
durmushacer@yahoo.com

Berker Duman

Ankara Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Ankara,
Türkiye
*Department of Psychiatry, Ankara University School of Medicine, Ankara,
Turkey*
berkerduman@gmail.com

Zeliha Matur

Demiroğlu Bilim Üniversitesi Tıp Fakültesi, Nöroloji Anabilim Dalı,
İstanbul, Türkiye
*Demiroğlu Bilim University, Faculty of Medicine, Department of Neurology,
İstanbul, Turkey*
zelihamatur@yahoo.co.uk

Teknik Editörler / Technical Editors

Esme Ekizoğlu-Turgut

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı,
İstanbul, Türkiye
*Department of Neurology, İstanbul University İstanbul School of Medicine,
İstanbul, Turkey*
esmeekezoglu@yahoo.com

Eren Yıldızhan

Bakırköy Mazhar Osman Ruh Sağlığı ve Sinir Hastalıkları Eğitim ve
Araştırma Hastanesi, İstanbul, Türkiye
*Bakırköy Research and Training Hospital for Psychiatry, Neurology and
Neurosurgery, İstanbul, Turkey*
eren.yildizhan@saglik.gov.tr

İstatistik Danışmanları / Statistics Consultants

Mustafa Ertaş

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Emekli Öğretim Üyesi,
Nöroloji Profesörü, İstanbul, Türkiye
*İstanbul University, Faculty of Medicine, Retired Faculty Member, Professor of
Neurology, İstanbul, Turkey*
mustafaertas@superonline.com

Genetik Danışmanları / Genetics Consultants

Hande Çağlayan

Boğaziçi Üniversitesi, Moleküler Genetik Bölümü, İstanbul, Türkiye
*Department of Molecular Genetics, Boğaziçi University, İstanbul,
Turkey*
hande@boun.edu.tr

Güvem Gümüş Akay

Ankara Üniversitesi Beyin Araştırmaları Uygulama ve Araştırma
Merkezi, Ankara, Türkiye
Ankara University Brain Research Center, Ankara, Turkey
guvemg@yahoo.com

Etik Danışmanı / Ethics Consultant

Güher Saruhan Direskeneli

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Fizyoloji Anabilim Dalı, İstanbul, Türkiye
Department of Physiology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey
gsaruhan@istanbul.edu.tr

NÖRO PSİKIYATRI ARŞİVİ

ARCHIVES OF NEUROPSYCHIATRY

Ulusal Danışma Kurulu / National Advisory Board

Ercan Abay

Trakya Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Emekli Öğretim Üyesi, Edirne, Türkiye
Retired Faculty Member, Department of Psychiatry, Trakya University School of Medicine, Edirne, Turkey

Güliden Akdal

Dokuz Eylül Üniversitesi Tıp Fakültesi, Nöroloji Anabilim Dalı, İzmir, Türkiye
Department of Neurology, Dokuz Eylül University School of Medicine, İzmir, Turkey

Fisun Akdeniz

Ege Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Emekli Öğretim Üyesi, İzmir, Türkiye
Retired Faculty Member, Department of Psychiatry, Ege University School of Medicine, İzmir, Turkey

Tunç Alkın

Dokuz Eylül Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, İzmir, Türkiye
Department of Psychiatry, Dokuz Eylül University School of Medicine, İzmir, Turkey

Ayşe Altıntaş

İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University Cerrahpaşa School of Medicine, İstanbul, Turkey

Ethem Murat Arşava

Hacettepe Üniversitesi Tıp Fakültesi, Nöroloji Anabilim Dalı, Ankara, Türkiye
Department of Neurology, Hacettepe University School of Medicine, Ankara, Turkey

Murat Atmaca

Fırat Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Elazığ, Türkiye
Department of Psychiatry, Fırat University School of Medicine, Elazığ, Turkey

Ömer Aydemir

Celal Bayar Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Manisa, Türkiye
Department of Psychiatry, Celal Bayar University School of Medicine, Manisa, Turkey

Semih Ayta

Haseki Eğitim ve Araştırma Hastanesi, Çocuk Nöroloji Kliniği, İstanbul, Türkiye
Clinic of Child Neurology, Haseki Training and Research Hospital, İstanbul, Turkey

Ebru Aykutlu Altındağ

Şişli Florence Nightingale Hastanesi, Nöroloji Kliniği, İstanbul, Türkiye
Clinic of Neurology, Florence Nightingale Hospital, İstanbul, Turkey

Işın Baral Kulaksızoğlu

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Psikiyatri Anabilim Dalı, Emekli Öğretim Üyesi, İstanbul, Türkiye
Retired Faculty Member, Department of Psychiatry, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Betül Baykan

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Ahmet Deniz Belen

Numune Eğitim ve Araştırma Hastanesi, Beyin ve Sinir Cerrahisi Kliniği, Ankara, Türkiye
Clinic of Neurosurgery, Numune Training and Research Hospital, Ankara, Turkey

Başar Bilgiç

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Ömer Böke

Ondokuz Mayıs Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Samsun, Türkiye
Department of Psychiatry, Ondokuz Mayıs University School of Medicine, Samsun, Turkey

Hayrünisa Bolay

Gazi Üniversitesi Tıp Fakültesi, Nöroloji Anabilim Dalı, Ankara, Türkiye
Department of Neurology, Gazi University School of Medicine, Ankara, Turkey

Can Cimilli

Dokuz Eylül Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Emekli Öğretim Üyesi, İzmir, Türkiye
Retired Faculty Member, Department of Psychiatry, Dokuz Eylül University School of Medicine, İzmir, Turkey

Raif Çakmur

Dokuz Eylül Üniversitesi Tıp Fakültesi, Nöroloji Anabilim Dalı, İzmir, Türkiye
Department of Neurology, Dokuz Eylül University School of Medicine, İzmir, Turkey

Feza Deymeer

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Murat Emre

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Aygün Ertuğrul

Hacettepe Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Ankara, Türkiye
Department of Psychiatry, Hacettepe University School of Medicine, Ankara, Turkey

Ali Saffet Gönül

Ege Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, İzmir, Türkiye
Department of Psychiatry, Ege University School of Medicine, İzmir, Turkey

Yasemin Gürsoy Özdemir

Koç Üniversitesi Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, Koç University School of Medicine, İstanbul, Turkey

Tülay Kansu

Hacettepe Üniversitesi Tıp Fakültesi, Nöroloji Anabilim Dalı, Ankara, Türkiye
Department of Neurology, Hacettepe University School of Medicine, Ankara, Turkey

Derya Karadeniz

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Necdet Karlı

Uludağ Üniversitesi Tıp Fakültesi, Nöroloji Anabilim Dalı, Bursa, Türkiye
Department of Neurology, Uludağ University School of Medicine, Bursa, Turkey

Emine Zinnur Kılıç

Ankara Üniversitesi Tıp Fakültesi, Çocuk Psikiyatrisi Anabilim Dalı, Emekli Öğretim Üyesi, Ankara, Türkiye
Retired Faculty Member, Department of Child Psychiatry, Ankara University School of Medicine, Ankara, Turkey

İsmet Kırpınar

Bezmialem Vakıf Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, İstanbul, Türkiye
Department of Psychiatry, Bezmialem Vakıf University School of Medicine, İstanbul, Turkey

NÖRO PSİKIYATRI ARŞİVİ

ARCHIVES OF NEUROPSYCHIATRY

Berna Binnur Kıvırcık

Dokuz Eylül Üniversitesi, Psikiyatri Anabilim Dalı, İzmir, Türkiye
Department of Psychiatry, Dokuz Eylül University School of Medicine, İzmir, Turkey

Ali Emre Öge

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Bedirhan Üstün

Koç Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, İstanbul, Türkiye
Department of Psychiatry, Koç University School of Medicine, İstanbul, Turkey

Öget Öktem Tanör

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Bedriye Öncü

Ankara Üniversitesi Tıp Üniversitesi, Psikiyatri Anabilim Dalı, Ankara, Türkiye
Department of Psychiatry, Ankara University School of Medicine, Ankara, Turkey

Ayşegül Özerdem

Dokuz Eylül Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, İzmir, Türkiye
Department of Psychiatry, Dokuz Eylül University School of Medicine, İzmir, Turkey

Aynur Özge

Mersin Üniversitesi Tıp Fakültesi, Nöroloji Anabilim Dalı, Mersin, Türkiye
Department of Neurology, Mersin University School of Medicine, Mersin, Turkey

Yeşim Parman

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Serap Saygı

Hacettepe Üniversitesi Tıp Fakültesi, Nöroloji Anabilim Dalı, Ankara, Türkiye
Department of Neurology, Hacettepe University School of Medicine, Ankara, Turkey

Bengi Semerci

Hasan Kalyoncu Üniversitesi İktisadi, İdari ve Sosyal Bilimler Fakültesi, Psikoloji Bölümü, Gaziantep, Türkiye
Department of Psychology, School of Economics, Administrative and Social Sciences, Hasan Kalyoncu University, Gaziantep, Turkey

Aksel Siva

İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University Cerrahpaşa School of Medicine, İstanbul, Turkey

Vedat Şar

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Psikiyatri Anabilim Dalı, İstanbul, Türkiye
Department of Psychiatry, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Lut Tamam

Çukurova Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Adana, Türkiye
Department of Psychiatry, Çukurova University School of Medicine, Adana, Turkey

Raşit Tükel

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Psikiyatri Anabilim Dalı, İstanbul, Türkiye
Department of Psychiatry, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Derya Uludüz-Uğurlu

İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University Cerrahpaşa School of Medicine, İstanbul, Turkey

Berna Uluğ

Hacettepe Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Ankara, Türkiye
Department of Psychiatry, Hacettepe University School of Medicine, Ankara, Turkey

Aylin Uluşahin

Hacettepe Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Emekli Öğretim Üyesi, Ankara, Türkiye
Retired Faculty Member, Department of Psychiatry, Hacettepe Üniversitesi University School of Medicine, Ankara, Turkey

Alp Üçok

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Psikiyatri Anabilim Dalı, İstanbul, Türkiye
Department of Psychiatry, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Simavi Vahip

Ege Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, İzmir, Türkiye
Department of Psychiatry, Ege University School of Medicine, İzmir, Turkey

Elif Anıl Yağcıoğlu

Hacettepe Üniversitesi Tıp Fakültesi, Psikiyatri Anabilim Dalı, Ankara, Türkiye
Department of Psychiatry, Hacettepe University School of Medicine, Ankara, Turkey

Nilüfer Yeşilot Barlas

İstanbul Üniversitesi İstanbul Tıp Fakültesi, Nöroloji Anabilim Dalı, İstanbul, Türkiye
Department of Neurology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

Uluslararası Danışma Kurulu / International Advisory Board

Avizohar Argov

Hebrew University, Hadassah School of Medicine, Ein Kerem, Jerusalem, Israel

Ian Anderson

University of Manchester, Institute of Brain, Behavior and Mental Health, Manchester, UK

Claude Robert Cloninger

Department of Psychiatry, Washington University, St. Louis, MO, USA

Kirk Daffner

Departments of Neurology, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

Moris Jack Danon

Department of Pathology, Westchester Medical Center and New York Medical College, Valhalla, NY, USA

Yeşim Erim

Department of Psychosomatic and Psychotherapeutic Medicine, University Hospital of Erlangen, Erlangen, Germany

NÖRO PSİKIYATRI ARŞİVİ

ARCHIVES OF NEUROPSYCHIATRY

Mark Fisher

Department of Neurology, University of Massachusetts Medical School, Worcester, MA, USA

Şölen Gökhan

Institute for Brain Disorders and Neural Regeneration, Albert Einstein College of Medicine, Bronx, NY, USA

Alla Guekht

Department of Neurology and Neurosurgery, Russian National Research Medical University, Moscow Research and Clinical Center for Neuropsychiatry, Moscow, Russia

Şakir Hümayun Gültekin

Department of Pathology, Oregon Health and Science University, Portland, OR, USA

Toshi A. Furukawa

Department of Health Promotion and Human Behavior, Kyoto University Graduate School of Medicine, Kyoto, Japan

Helen Herrman

World Health Organization, Collaborating Centre in Mental Health, Melbourne, Australia

Vasilios Kimiskidis

Laboratory of Clinical Neurophysiology, AHEPA University Hospital, Aristotle University of Thessaloniki, Thessaloniki, Greece

Amos D. Korczyn

Department of Neurology, Tel Aviv University Medical School, Tel Aviv, Israel

Mario Maj

University of Naples, Department of Psychiatry, Naples, Italy

Maria Hélène Marion

St George's University Hospitals, Consultaant Neurologist, London, UK

Charles B. Nemeroff

Department of Psychiatry and Behavioral Sciences, University of Miami, Miller School of Medicine, Miami, FL, USA

Fügen Neziroğlu

Biobehavioral Institute, Great Neck, NY, USA

Jim van Os

Maastricht University, Neuro-intervention Center, Maastricht Academic Hospital, Maastricht, Netherlands

Bruce H. Price

Department of Neurology, McLean Hospital, Belmont, MA, USA

Gerard Said

Department of Neurology Hôpital Pitié-Salpêtrière, Paris, France

Norman Sartorius

President of the Association for the Improvement of Mental Health Programmes, Geneva, Switzerland

Duygu Selcen

Department of Neurology, Mayo Clinic, Rochester, Minnesota, USA

José M. Serratos

Hospital Universitario Fundación Jiménez Díaz, Madrid, Spain

Timothy J. Steiner

Imperial College School of Medicine, Division of Neuroscience, London, UK

Pasquale Striano

Pediatric Neurology and Muscular Diseases Unit, Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health, Institute "G. Gaslini", University of Genova, Genoa, Italy

Mustafa Şahin

Department of Neurology, Boston Children's Hospital, Boston, Massachusetts, USA

Graham Thornicroft

Centre for Global Mental Health, Institute of Psychiatry, Psychology and Neuroscience, King's College, London, UK

Mauricio Tohen

University of New Mexico School of Medicine Department of Psychiatry and Behavioral Sciences, New Mexico, USA

Marc Valenti

University of Barcelona, Department of Psychiatry, Barcelona, Spain

Nöropsikiyatri Arşivi Türk Nöropsikiyatri Derneği yayın organıdır. Yayın hizmetleri BAYT tarafından yürütülmektedir. Dergide yer alan yazı, şekil, tablo ve resimlerin telif hakkı (Copyright ©) Türk Nöropsikiyatri Derneği'ne aittir. Dergiden alıntı yapılacak tıbbi dergi ve kitapların, dergiyi kaynak olarak belirtmesi gereklidir. Yayımlanan yazıların bilimsel ve etik sorumluluğu yazarlara aittir. Dergimiz ve derneğimiz yayımlanan yazılarda belirtilen görüşlere resmen katılmaz, dergideki hiçbir ürün veya servis reklamı için güvence vermez. Üç ayda bir yayımlanır.

The Neuropsychiatry Archive is the publishing organ of the Turkish Neuropsychiatry Association. Publication services are provided by BAYT. Copyright for papers, figures, tables or photographs in the Journal belongs to the Turkish Neuropsychiatry Association. Authors are responsible for the academic and ethic contents of published papers. Our Journal and Association do not officially participate in the views expressed in the published papers, and the journal does not give any guarantee for advertised products or services. It is published three monthly.

Yayın Hizmetleri / Publishing Services



BAYT Bilimsel Araştırmalar Basın Yayın ve Tanıtım Ltd. Şti.

Ziya Gökalp Cad., 30/31, 06420 Kızılay, Ankara

Phone: +90 312 431 30 62 | Fax: +90 312 431 36 02

E-mail: info@bayt.com.tr | www.bayt.com.tr

NÖRO PSİKIYATRI ARŞİVİ

ARCHIVES OF NEUROPSYCHIATRY

Aims and Scope

Archives of Neuropsychiatry (Arch Neuropsychiatry) is the official journal of the Turkish Neuropsychiatric Society. It is published quarterly, and four editions annually constitute a volume.

Archives of Neuropsychiatry is a peer reviewed scientific journal that publishes articles on psychiatry, neurology, and behavioural sciences. Both clinical and basic science contributions are welcomed. Submissions that address topics in the interface of neurology and psychiatry are encouraged. The content covers original research articles, reviews, letters to the editor, and case reports.

The audience of the journal includes neurologists, psychiatrists, and other scientists and clinicians working in related fields.

The editorial and publication processes of the journal 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 (doaj.org/bestpractice).

The Archives of Neuropsychiatry is indexed in Science Citation Index-Expanded (SCI-E), PubMed Central, Journal Citation Reports/ Science Edition, EMBASE, ProQuest, SCOPUS, EBSCO, PSYCHinfo, CINAHL, Gale/Cengage Learning, Turkish Psychiatry Index, TUBITAK ULAKBIM TR Index and Türkiye Citation Index.

All manuscripts must be submitted via the online submission system, which is available at www.noropsikiyatriarsivi.com. The journal guidelines, technical information, and the required forms are available on the journal's web page.

All expenses of the journal are covered by the Turkish Association of Neuropsychiatry. Potential advertisers should contact the Editorial Office. Advertisement images are published only upon the Editor-in-Chief's approval.

For all articles submitted as of September 1, 2018 and accepted for publication after the scientific evaluation, the journal of Archives of Neuropsychiatry will charge a fee of 200 USD for members of the Turkish Neuropsychiatric Society and 250 USD for non-members as article publishing charge (APC). For the authors who has also served as a reviewer for Archives of Neuropsychiatry in the last 3 years, APC is 150 USD.

Any opinions and views expressed in the articles in the journal are the views and opinions of the author(s), and not views of or endorsed by the Turkish Association of Neuropsychiatry, editors, editorial board, and/or publisher; the editors, editorial board, and publisher disclaim any responsibility or liability for such materials.

All published content is available online, free of charge at www.noropsikiyatriarsivi.com.

Turkish Association of Neuropsychiatry holds the international copyright of all the content published in the journal.

Requests for permission for reproduction of materials should be made to the Turkish Association of Neuropsychiatry. Papers and illustrations included in the journal may not be reproduced without written permission.

Editorial Ofis

Address: Meşrutiyet Mah. Halaskargazi Cad.
Site Apt. No:128/1, Şişli, İstanbul, Turkey
Phone: +90 212 244 96 66
Fax: +90 212 244 96 67
E-mail: npa_dergi@yahoo.com.tr
Web: www.noropsikiyatriarsivi.com

Publishing Services: BAYT

Address: Ziya Gökalp Cad., 30/31
06420 Kızılay, Ankara, Turkey
Phone: +90 431 3062
Fax: +90 431 3602
E-mail: info@bayt.com.tr
Web: www.bayt.com.tr

NÖRO PSİKIYATRI ARŞİVİ

ARCHIVES OF NEUROPSYCHIATRY

Instructions for Authors

Archives of Neuropsychiatry (Arch Neuropsychiatry) is the official scientific journal of the Turkish Neuropsychiatric Society. It is published quarterly. Annually four editions and supplementary editions constitute a volume. The publication language of the journal is Turkish and English.

Archives of Neuropsychiatry is a peer reviewed scientific journal that publishes articles on psychiatry, neurology, and behavioral sciences. Both clinical and basic scientific articles especially dealing with topics of common interest in neurology and psychiatry are welcomed and encouraged. The content covers original research articles, reviews, letters to the editor, and case reports.

The audience of the journal includes clinicians and researchers working in neurology, psychiatry and neuroscience or related fields.

Archives of Neuropsychiatry is an international journal indexed/abstracted in the Science Citation Index-Expanded (SCI-E), PubMed Central, Journal Citation Reports/Science Edition, EMBASE, ProQuest, SCOPUS, EBSCO, PSYCHinfo, CINAHL, Gale/Cengage Learning, British Library Direct, Turkish Psychiatry Index, TUBITAK ULAKBIM TR Index and Türkiye Citation Index databases. Printed versions include articles in their original language, and these are available free of charge to the members of the Turkish Neuropsychiatric Society. Online versions include all articles in both Turkish and English, and finally published open to access without any charge.

The editorial and publication processes of the journal 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). Besides, the preparation of the journal is in conformity with the Principles of Transparency and Best Practice in Scholarly Publishing (doaj.org/bestpractice).

Submissions are reviewed for their originality and scientific quality. Manuscripts submitted should not have been previously published in an electronic or printed medium, nor should be under evaluation process with another journal. Authors may wish to inform the reviewers of the journal on their previously evaluated and unaccepted manuscripts. The submission of previous reviewer reports will expedite the evaluation process. Manuscripts that have been presented at scientific meetings should be accompanied by information about the organization, including the name, date, and location of the meeting.

The decision about the publication of manuscripts is based on independent, unbiased, double-blind peer-review. The editorial board completes an initial evaluation of submissions for their originality, methodology, the importance of the subject covered,

and its relevance to neuropsychiatry. This is followed by an unbiased double-blind peer-review by two or more independent experts in the field. The editorial board will invite an external and independent editor to manage the evaluation processes of manuscripts submitted by editors or by the editorial board members of the journal. For all submissions, the Editor in Chief is the final authority in the decision-making process.

Approval of research protocols by the Ethics Committee in accordance with international agreements (World Medical Association Declaration of Helsinki "Ethical Principles for Medical Research Involving Human Subjects," amended in October 2013, www.wma.net) is required for experimental, clinical, and drug studies and for some case reports. If required, ethics committee reports or an equivalent official document must be provided by the authors. For experimental human research studies, a statement should be included in the manuscript depicting written informed consent of patients and volunteers has been obtained following a detailed explanation of the procedures that they may undergo. For animal studies, the measures taken to prevent pain and suffering of the animals should be stated clearly. Information on patient consent, the name of the ethics committee, and the ethics committee approval number should also be stated in the Materials and Methods section of the manuscript. It is the authors' responsibility to carefully protect the patients' anonymity. For photographs that may reveal the identity of the patients, signed releases of the patient or of their legal representatives should be enclosed.

All submissions are screened by a similarity detection software (iThenticate by CrossCheck).

In the event of alleged or suspected research misconduct, e.g., plagiarism, citation manipulation, and data falsification/fabrication, the Editorial Board will follow and act in accordance with COPE guidelines.

Each individual listed as an author should fulfill the authorship criteria recommended by the International Committee of Medical Journal Editors (ICMJE - www.icmje.org). The ICMJE recommends that authorship be based on the following 4 criteria:

- 1 Substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work; AND
- 2 Drafting the work or revising it critically for important intellectual content; AND
- 3 Final approval of the version to be published; AND
- 4 Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

In addition to being accountable for the parts of the work he/she has done, an author should be able to identify which co-authors are responsible for specific parts of the work. In addition, authors should have confidence in the integrity of the contributions of their co-authors.

All those designated as authors should meet all four criteria for authorship, and all who meet the four criteria should be identified as authors. Those who do not meet all four criteria should be acknowledged in the title page of the manuscript.

At initial submission Archives of Neuropsychiatry expects from corresponding authors a signed and scanned version of the authorship contribution form (available for download through www.noropsikiyatriarsivi.com) in order to act appropriately on authorship rights and to prevent ghost or honorary authorship. If the editorial board suspects a case of "gift authorship," the submission will be rejected without further review. As part of the submission of the manuscript, the corresponding author should also send a short statement declaring that he/she accepts to undertake all the responsibility for authorship during the submission and review stages of the manuscript.

Archives of Neuropsychiatry requires and encourages the authors and the individuals involved in the evaluation process of submitted manuscripts to disclose any existing or potential conflicts of interests, including financial, consultant, and institutional, that might lead to potential bias or a conflict of interest. Any financial grants or other support received for a submitted study from individuals or institutions should be disclosed to the Editorial Board. To disclose potential conflicts of interest, the ICMJE Potential Conflict of Interest Disclosure Form should be filled in and submitted by all contributing authors. Cases of a potential conflict of interest of the editors, authors, or reviewers are resolved by the journal's Editorial Board within the scope of COPE and ICMJE guidelines.

The Editorial Board of the journal handles all appeal and complaint cases within the scope of COPE guidelines. In such cases, authors should get in direct contact with the editorial office regarding their appeals and complaints. When needed, an ombudsperson may be assigned to resolve cases that cannot be resolved internally. The Editor in Chief is the final authority in the decision-making process for all appeals and complaints.

Manuscripts can be submitted for evaluation in Turkish or in English. **Since the journal is indexed internationally, it is mandatory for all the published manuscripts to have a full text in English.** Publication process of the accepted articles in Turkish starts after English translations of the full text is provided by the authors. For accepted articles in English which are submitted from Turkey, the authors have to provide the Turkish translations of the full text for the commencement of publication. For the accepted articles in English which are submitted from abroad or for the articles of authors who are not familiar with Turkish, a Turkish translation is not necessary for the commencement of publication process.

By submitting a manuscript to Archives of Neuropsychiatry, authors accept to assign the copyright of their manuscript to the Turkish Neuropsychiatric Society. If rejected for publication, the copyright of the manuscript will be assigned back to the authors. Archives of Neuropsychiatry requires each submission to be accompanied by a Copyright Transfer Form (available for download at www.noropsikiyatriarsivi.com). When using previously published content, including figures, tables, or any other material in both print and electronic formats, authors must obtain permission from the copyright holder. Legal, financial and criminal liabilities in this regard belong to the author(s).

Any opinions and views expressed in the articles published by the journal are the views and opinions of the author(s), and not views of or endorsed by the Turkish Neuropsychiatric Society, editors, editorial board, and/or publisher; the editors, editorial board, and publisher disclaim any responsibility or liability for such materials.

MANUSCRIPT PREPARATION

The manuscripts should be prepared in accordance with ICMJE-Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (updated in December 2019 - <http://www.icmje.org/icmje-recommendations.pdf>). Authors are required to prepare manuscripts in accordance with the CONSORT guidelines for randomized research studies, STROBE guidelines for observational original research studies, STARD guidelines for studies on diagnostic accuracy, PRISMA guidelines for systematic reviews and meta-analysis, ARRIVE guidelines for experimental animal studies, and TREND guidelines for non-randomized public behavior.

Manuscripts can only be submitted through the journal's online manuscript submission and evaluation system, available at www.noropsikiyatriarsivi.com. Manuscripts submitted via any other medium will not be evaluated.

Articles should be written with "Times New Roman" character, 12 font size and 1.5 line spacing. Manuscripts submitted to the journal will first go through a technical evaluation process where the editorial office staff will ensure that the manuscript has been prepared and submitted in accordance with the journal's guidelines. Submissions that do not conform to the journal's guidelines will be returned to the submitting author with technical correction requests.

The authors must upload the Copyright Transfer Form, Author Contribution Form and ICMJE Potential Conflicts of Interest Form (this form must be filled in by all authors) to the online article system during the first submission. These forms can be accessed at www.noropsikiyatriarsivi.com.

Preparation of the Manuscript

Title page: A separate title page should be submitted with all submissions and this page should include:

- The full title of the manuscript as well as a short title (running head) of no more than 50 characters,
- Name(s), affiliations, and highest academic degree(s) of the author(s),
- Grant information and detailed information on the other sources of support,
- Name, address, telephone (including the mobile phone number) and fax numbers, and e-mail address of the corresponding author,
- Acknowledgment of the individuals who contributed to the preparation of the manuscript but who do not fulfill the authorship criteria.

Abstract: An English abstract should accompany all submissions except for Letters to the Editor. Abstracts in Turkish are not expected from international authors. The abstract of Original Articles should be structured with subheadings (**Introduction, Methods, Results, and Conclusion**). Please check Table 1 below for word count specifications.

Keywords: Each submission must be accompanied by a minimum of 3 to a maximum of 6 keywords for subject indexing at the end of the abstract. The keywords should be listed in full without abbreviations. The keywords should be selected from the National Library of Medicine, Medical Subject Headings (MeSH) database (<https://www.nlm.nih.gov/mesh/MBrowser.html>).

Manuscript Types

Research Articles: The main text of research articles should be organized under the subtitles of *Introduction*, *Methods*, *Results*, and *Discussion*. The Introduction should include the rationale of the study, and the objective should be clearly stated in the last paragraph. The “Methods” section may include subsections describing the participants, instruments, and the statistical methods. The “Results” section includes the findings of the study, supported with tables and figures to facilitate viewing. The “Conclusion” should include the authors’ conclusions, limitations of the study and a comparison with the relevant literature. *Please check Table 1 below for word count specifications.*

Statistical analyses must be conducted in accordance with international statistical reporting standards (see; Altman DG, Gore SM, Gardner MJ, Pocock SJ. Statistical guidelines for contributors to medical journals. *Br Med J* 1983; 7; 1489-93). Information on statistical analyses should be provided with a separate subheading under the Materials and Methods section and the statistical software that was used during the process must be specified.

Units should be prepared in accordance with the International System of Units (SI).

Review Articles: Reviews should describe, discuss, and evaluate the current level of knowledge of a topic that is in the journal’s scope and should guide future studies. Reviews prepared by authors who have extensive knowledge on a particular field and whose scientific background has been translated into a high volume of publications with a high citation potential are welcomed. Authors fulfilling those requirements may be invited by the journal. Reviews can be submitted without editorial invitation if one of the authors has published three or more original research articles on the subject. Authors must be aware that the journal has limited space for reviews. *Please check Table 1 below for word count specifications.*

Case Reports: There is limited space for case reports in the journal. Reports on rare cases or conditions that constitute challenges in diagnosis and treatment, those offering new therapies or revealing knowledge not included in the literature, and interesting and educative case reports are accepted for review. The text should include the subheadings Introduction, Case Presentation, and Discussion. *Please check Table 1 below for word count specifications.*

Brief Reports: These are manuscripts that report either original research or novel ideas dealing with important theoretical or practical problems related to specific subjects. Brief report articles

(excluding title page, references, table / figure / picture) should not exceed 2500 words. *Please check Table 1 below for word count specifications.*

Letters to the Editor: These manuscripts include evaluation and criticisms submitted by the experts in the field or the reviewers of a manuscript regarding manuscripts previously published in the journal. The authors of manuscripts that become topics of letters to the editor are provided with the opportunity to respond to the comments that are raised. Letters are published together with the responses of the author(s) of the manuscript concerned where possible.

Special Section

Introduction of websites: These manuscripts introduce websites relevant to the scope of the journal.

Book/Thesis Section: These manuscripts introduce the books/theses published on subjects related to the scope of the journal. The text of manuscripts in the special section must not exceed 500 words (excluding the references, tables, and figures or legends). Up to five references and either one table or one figure are allowed.

Tables

Tables should be included in the main document, presented after the reference list, and they should be numbered consecutively in the order they are referred to within the main text. A descriptive title must be placed above the tables. Abbreviations used in the tables should be defined below the tables by footnotes (even if they are defined within the main text). Tables should be created using the “insert table” command of the word processing software and they should be arranged clearly to provide easy reading. Data presented in the tables should not be a repetition of the data presented within the main text but should be supporting the main text.

Figures and Figure Legends

Figures, graphics, and photographs should be submitted as separate files (in TIFF or JPEG format) through the submission system. The files should not be embedded in a Word document or the main document. When there are figure subunits, the subunits should not be merged to form a single image. Each subunit should be submitted separately through the submission system. Images should not be labelled (a, b, c, etc.) to indicate figure subunits. Thick and thin arrows, arrowheads, stars, asterisks, and similar marks can be used on the images to support figure legends. Like the rest of the submission, the figures should be blind. Any information within the images that may indicate an individual or an institution should be blinded. For this reason, the persons in the pictures should not be recognized and institutional information should also be deleted. The minimum resolution of each submitted figure should be 300 DPI. To prevent delays in the evaluation process, all submitted figures should be clear in resolution and large in size (minimum dimensions: 100 × 100 mm). Figure legends should be listed at the end of the main document.

Table 1. Limitations for each manuscript type

Type of manuscript	Word limit	Abstract word limit	Reference limit	Table limit	Figure limit
Original Article	4000	250 (Structured)	30	6	7 or total of 15 images
Review Article	5000	250	50	6	10 or total of 20 images
Case Report	1500	150	15	No tables	10 or total of 20 images
Brief Reports	2500	250	20	6	10 or total of 20 images
Letter to the Editor	500	No abstract	5	No tables	No images
Special Section	500	No abstract	5	1	1

All acronyms and abbreviations used in the manuscript should be defined at first use, both in the abstract and in the main text. The abbreviation should be provided in parentheses following the definition.

When a drug, product, hardware, or software program is mentioned within the main text, product information, including the name of the product, the producer of the product, and city and the country of the company (including the state if in USA), should be provided in parentheses in the following format: "Discovery St PET/CT scanner (General Electric, Milwaukee, WI, USA)" All references, tables, and figures should be referred to within the main text, and they should be numbered consecutively in the order they are referred to within the main text.

The limitations and insufficiencies of original research should be mentioned in the "Discussion" section before the "Conclusion" paragraph.

References

While citing, preference should be given to the latest, most up-to-date publications. If an ahead-of-print publication is cited, the DOI number should be provided. Authors are responsible for the accuracy of references. Journal titles should be abbreviated in accordance with the journal abbreviations in Index Medicus/MEDLINE/PubMed. All authors should be listed in each reference. In the main text of the manuscript, references should be cited using Arabic numbers in parentheses. Reference styles for different types of publications are presented in the following examples.

Journal Article: Katz MM, Koslow SH, Maas JW, Frazer A, Bowden CL, Casper R, Croughan J, Kocsis J, Redmond E. The timing, specificity and clinical prediction of tricyclic drug effects in depression. *Psychol Med* 1987;17:297-309.

Book Section: Suh KN, Keystone JS. Malaria and babesiosis. In: Gorbach SL, Barlett JG, Blacklow NR, editors. *Infectious Diseases*. Philadelphia: Lippincott Williams; 2004. pp.2290-2308.

Books with a Single Author: Sweetman SC. *Martindale the Complete Drug Reference*. 34th ed. London: Pharmaceutical Press; 2005.

Editor(s) as Author: Huizing EH, de Groot JAM, editors. *Functional reconstructive nasal surgery*. Stuttgart-New York: Thieme; 2003.

Conference Proceedings: Bengissson S, Sothemin BG. Enforcement of data protection, privacy and security in medical informatics. In: Lun KC, Degoulet P, Piemme TE, Rienhoff O, editors. *MEDINFO 92. Proceedings of the 7th World Congress on Medical Informatics*; 1992 Sept 6-10; Geneva, Switzerland. Amsterdam: North-Holland; 1992. pp.1561-1565.

Scientific or Technical Report: Cusick M, Chew EY, Hoogwerf B, Agrón E, Wu L, Lindley A. Early Treatment Diabetic Retinopathy Study Research Group. Risk factors for renal replacement therapy in the Early Treatment Diabetic Retinopathy Study (ETDRS). *Kidney Int*: 2004. Report No: 26.

Thesis: Yılmaz B. Ankara Üniversitesindeki Öğrencilerin Beslenme Durumları, Fiziksel Aktiviteleri ve Beden Kitle İndeksleri Kan Lipidleri Arasındaki İlişkiler. H.Ü. Sağlık Bilimleri Enstitüsü, Doktora Tezi. 2007.

Manuscripts Accepted for Publication, Not Published Yet: Slots J. The microflora of black stain on human primary teeth. *Scand J Dent Res* 1974.

Epub Ahead of Print Articles: Cai L, Yeh BM, Westphalen AC, Roberts JP, Wang ZJ. Adult living donor liver imaging. *Diagn Interv Radiol* 2016 Feb 24. doi: 10.5152/dir.2016.15323 [Epub ahead of print]

Manuscripts Published in Electronic Format: Morse SS. Factors in the emergence of infectious diseases. *Emerg Infect Dis* (serial online) 1995 Jan-Mar (cited 1996 June 5): 1(1): (24 screens). <http://www.cdc.gov/ncidod/EID/cid.htm>

REVISIONS

When submitting a revised version of a paper, the author must submit a detailed, one to one response to the reviewers that states how each issue raised by the reviewers has been covered and where it can be found (each reviewer's comment should be followed by the author's reply and the numbers of the lines where the changes have been made should be given) as well as an annotated copy of the main document. Revised manuscripts must be submitted within 30 days from the date of the decision letter. If the revised version of the manuscript is not submitted within the allocated time, the revision option may be cancelled, and your revised paper may be interpreted as a new submission. If the submitting author(s) believe that additional time is required, they should ask for extension before the initial 30-day period is over.

Accepted manuscripts are copy-edited for grammar, punctuation, and format. Once the publication process of a manuscript is completed, it is made available online on the journal's website among ahead-of-print publications before it is included in its scheduled issue. A PDF proof of the accepted manuscript is sent to the corresponding author and their approval is requested within 2 days of their receipt of the proof.

ARTICLE PROCESSING CHARGES

For all articles submitted as of September 1, 2018 and accepted for publication after the scientific evaluation, the journal of Archives of Neuropsychiatry will charge a fee of 200 USD for members of the Turkish Neuropsychiatric Society and 250 USD for non-members as article publishing charge (APC).

For the authors who has also served as reviewer for Archives of Neuropsychiatry in the last 3 years, APC is 150 USD.

Editorial Office

Address: Meşrutiyet Mah. Halaskargazi Cad. Site Apt. No:128/1 Şişli - İstanbul, Turkey

Phone: +90 212 244 96 66

Fax: +90 212 244 96 67

E-mail: npa_dergi@yahoo.com.tr

Publishing Services: BAYT

Address: Ziya Gökalp Cad. 30/31, 06420 Kızılay-Ankara, Turkey

Phone: +90 312 431 30 62 • **Fax:** +90 312 431 36 02

E-mail: info@bayt.com.tr • www.bayt.com.tr

NÖRO PSİKIYATRI ARŞİVİ

ARCHIVES OF NEUROPSYCHIATRY

Contents

Editorial

- 81 Aquaporin-4 Gene Polymorphisms in Relapsing Inflammatory Optic Neuropathy and RANKL in Glioblastoma: Research and Progress on Biomarkers**
Elif ŞANLI, Erdem TÜZÜN

Research Articles

- 83 Impact of Autoimmune Demyelinating Brain Disease Sera on Pericyte Survival**
Canan ULUSOY, Emine ŞEKERDAĞ, Vuslat YILMAZ, Aysu Bilge YILMAZ, Dila ATAK, Atay VURAL, Cem İsmail KÜÇÜKALİ, Zerrin KARAASLAN, Murat KÜRTÜNCÜ, Recai TÜRKÖĞLU, Yasemin GÜRİSOY ÖZDEMİR, Erdem TÜZÜN
- 87 Neurocognitive Functions in Bipolar Disorder in Relation to Comorbid ADHD**
Hidayet Ece ARAT ÇELİK, Deniz CEYLAN, Ceren HİDİROĞLU ONGUN, Ayşe ERDOĞAN, Devran TAN, Peren GÜMÜŞKESEN, Başak BAĞCI, Ayşegül ÖZERDEM
- 94 Restless Legs Syndrome in Multiple Sclerosis**
Taşkın GÜNEŞ, Ufuk EMRE, Yüksel ERDAL, Osman Özgür YALIN
- 99 1HMRS in the Hippocampus of the Female Patients with Conversion Disorder**
Osman MERMİ, Sema BAYKARA, Hanefi YILDIRIM, Murad ATMACA
- 103 Optical Coherence Tomography Findings in Parkinson's and Alzheimer's Disease –Retinal Changes in Neurodegenerative Disease**
Derya BAYRAM, Gülbün YÜKSEL, Tamer BAYRAM, Hülya TİRELİ
- 108 The Effects of Narrative and Movie Therapy on the Theory of Mind and Social Functioning of Patients with Schizophrenia**
Mehmet Buğrahan GÜRCAN, Mustafa YILDIZ, Kerim PATIR, Yasemin DEMİR
- 115 Living with Burden of Migraine: The Analysis of “My Migraine Voice” Survey Results in Turkey**
Arife ÇİMEN ATALAR, Manal BOZKURT, Zeynep ÇALIŞKAN, Pamela VO, Mustafa ERTAŞ, Betül BAYKAN
- 121 Substance Use in Refugee Camps and Local Community: Şanlıurfa Sample**
Mustafa Necmi İLHAN, İrem EKMEKÇİ ERTEK, Melih Gaffar GÖZÜKARA, Öznur AKIL, Pavel URUSU, Tokel ERGÜDER, Sertaç POLAT, Mehmet Yaşar ŞİMŞEK, Mahmut AKTAŞ, Öznur BULUT GAZANFER, Sevil ÖZGER İLHAN, Hulagu KAPTAN

- 128 Serum Brain-Derived Neurotrophic Factor, Glial-Derived Neurotrophic Factor, Nerve Growth Factor and Neurotrophin-3 Levels in Preschool Children with Language Disorder**
Ayhan BILGIÇ, Hurşit FERAH KAYA, İbrahim KILINÇ, Vesile Meltem ENERGIN
- 133 Reduced Serum sRANKL and sTREM2 Levels in High-Grade Gliomas: Association with Prognosis**
Mustafa EFENDİOĞLU, Elif ŞANLI, Ceren TÜRKÖĞLU, Naci BALAK
- 137 Behavioral and Neurodevelopmental Effects of Early Interventions in Adult Wistar Rats**
Melike KÜÇÜKKARAPINAR, Aslıhan DÖNMEZ, Selçuk CANDANSAYAR, Aruz BOZKURT, Elif AKÇAY, Özlem GÜLBAHAR, Hayrunnisa BOLAY BELEN
- 146 Depression, Anxiety and State Guilt in Individuals under Quarantine in an Institution due to COVID-19 and the Related Factors**
Ayşegül KOÇ, Hümeysra Hancer TOK, Lütfiye Nur UZUN, Hülya ENSARI

Review

- 154 History of Myasthenia Gravis Revisited**
Feza DEYMEER

Case Report

- 163 Autoimmune Encephalitis After Treatment of Hodgkin's Lymphoma with the Immune Checkpoint Inhibitor Nivolumab**
Mecbure NALBANTOĞLU, Burcu ALTUNRENDE, Özlem GÜNGÖR TUNÇER, Gülşen AKMAN
- 166 Atypical Neuroleptic Malignant Syndrome Induced by Low Dose Quetiapine in a Patient Treated with Donepezil**
Elçin ÖZÇELİK EROĞLU, M. İrem YILDIZ, M. Kâzım YAZICI