

Prof. HAYRUNNİSA BOLAY BELEN

Personal Information

Office Phone: [+90 312 202 5328](tel:+903122025328)

Email: hbolay@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/hbolay>

International Researcher IDs

ScholarID: t5M4dAwAAAAJ

ORCID: 0000-0002-3357-7733

Publons / Web Of Science ResearcherID: ABG-8829-2020

ScopusID: 7004304842

Yoksis Researcher ID: 133434

Education Information

Post Doctorate of Medicine, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 2009 - 2011

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Temel Nörolojik Bilimler (Dr), Turkey 1995 - 1999

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 1988 - 1995

Undergraduate, Hacettepe University, Tıp Fakültesi, Tıp Pr., Turkey 1982 - 1988

Dissertations

Doctorate, İskemik penumbra kalıcı sinaptik transmisyon bozukluğunun altında yatan presinaptik mekanizmaların incelenmesi, Hacettepe University, Sağlık Bilimleri Enstitüsü, Temel Nörolojik Bilimler (Dr), 1999

Expertise In Medicine, Myastenia Gravis Hastalarında kronik alfa-interferon kullanımının NK hücre aktivitesi ve sayısı, T-lenfosit alt grupları , asetilkolin reseptör antikolarları, tek lif EMG ve klinik parametrelere etkisinin değerlendirilmesi, Hacettepe University, 1995

Research Areas

Medicine, Neurology, Neurobiology, Natural Sciences

Academic Titles / Tasks

Professor, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2006 - Continues

Associate Professor, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2002 - 2006

Researcher, Harvard University, Massachusetts General Hospital, 2000 - 2002

Expert PhD, Hacettepe University, Nörolojik Bilimler Ve Psikiyatri Enstitüsü, Nörolojik Ve Psikiyatrik Temel Bilimler Anabilim Dalı (Disiplinlerarası), 1995 - 1999

Research Assistant PhD, Hacettepe University, Tıp Fakültesi (Türkçe), Dahili Tıp Bilimleri Bölümü, 1988 - 1995

Research Assistant, University of Bristol, Neuroscience, Neuropathology, 1990 - 1990

Academic and Administrative Experience

YÖK Genel Kurul Üyesi, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2023 - Continues

Manager of Research and Application Center, Gazi University, Araştırma ve Uygulama Merkezleri, NÖROM Nörobilim ve Nöroteknoloji Ortak Uygulama Araştırma Mükemmeliyet Merkezi, 2020 - Continues

Head of Department, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2014 - Continues

Manager of Research and Application Center, Gazi University, Araştırma Ve Uygulama Merkezleri, Nöropsikiyatri Eğitim Araştırma Ve Uygulama Merkezi Müdürlüğü, 2008 - 2024

Gazi University, Sağlık Bilimleri Enstitüsü, Nörobilim (Dr), 2008 - 2019

Advising Theses

Bahçelioğlu M., Belen H. B., Migren hastalarının çoklu duyuşsal bütünlemeye yönelik sanal dinamik etkileşim sistemleri ile incelenmesi, Doctorate, M.SEVGİ(Student), 2024

Belen H. B., Endometriozis modelinde CGRP antagonizmasının etkilerinin incelenmesi, Doctorate, F.BÜYÜKTAŞKIN(Student), 2023

Belen H. B., İLAÇ AŞIRI KULLANIM BAŞAĞRISINDA GIDA TETİKLEYİCİLERİ VE HUZURSUZ BAĞIRSAK SENDROMU BİRLİKTELİĞİ, Expertise In Medicine, M.Ceren(Student), 2023

Belen H. B., SULFOTRANSFERAZ İNHİBİTÖRLERİNİN KORTİKAL YAYILAN DEPRESYON VE DAVRANIŞ ÜZERİNE ETKİSİ, Doctorate, D.VURALLI(Student), 2022

Belen H. B., İkili uyarılmış somatosensorial potansiyellerin yüksek frekans bandında analizi, Doctorate, Ü.ÖZGÜR(Student), 2022

Belen H. B., FİTALATLARIN NÖROGELİŞİMSEL ETKİLERİNİN VE ETKİ MEKANİZMALARININ GLİAL HÜCRE KÜLTÜRÜNDE DEĞERLENDİRİLMESİ, Doctorate, E.KELEŞ(Student), 2022

Belen H. B., İkili somatosensoriyal uyarılarda interstimulus interval değişiminin kortikal potansiyellere etkisi, Doctorate, N.TEPE(Student), 2021

BELEN H. B., Evaluation Of Visual Perception In Migraine, Expertise In Medicine, A.BAŞARI(Student), 2020

BELEN H. B., The Effects Of Insomnia On Pain And Anxiety, Doctorate, S.ERDOĞAN(Student), 2018

BELEN H. B., Glial cell iron responses in inflammation related migraine pathogenesis, Doctorate, L.ARZU(Student), 2017

BELEN H. B., Behavioral effects of gabapentin on sleep deprivation induced schizophrenia-like state in rats, Doctorate, F.DUYGU(Student), 2017

BELEN H. B., Evaluation of sensorial perception in the migraine, Expertise In Medicine, H.EVREN(Student), 2014

BELEN H. B., Investigating behavioral effects of nitroglycerin induced headache in rats, Doctorate, D.TUBA(Student), 2013

BELEN H. B., The effect of cgrp receptor antagonist on behavior induced by cortical spreading depression, Expertise In Medicine, A.FİLİZ(Student), 2012

BELEN H. B., Ratlarda yayılan kortikal depresyonun subkortikal etkilerinin incelenmesi, Expertise In Medicine, N.TEPE(Student), 2011

BELEN H. B., Atmosferik toz içeren hava koşullarının migren başağrısını tetikleyici etkisinin incelenmesi, Expertise In Medicine, H.DOĞANAY(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- Extrasynaptic δ GABAA receptors mediate resistance to migraine-like phenotype in rats**
Alpay B., Cimen B., AKAYDIN E., ONAT F., BELEN H. B., SARA M. Y.
Journal of Headache and Pain, vol.25, no.1, 2024 (SCI-Expanded)
- Lipopolysaccharide, VE-cadherin, HMGB1, and HIF-1 α levels are elevated in the systemic circulation in chronic migraine patients with medication overuse headache: evidence of leaky gut and inflammation**

Vuralli D., Ceren Akgor M., Gok Dagidir H., Gulbahar O., Yalinay M., Bolay H. B.

JOURNAL OF HEADACHE AND PAIN, vol.25, no.1, 2024 (SCI-Expanded)

- III. **Microbiota alterations are related to migraine food triggers and inflammatory markers in chronic migraine patients with medication overuse headache.**
Vuralli D., Ceren Akgor M., Dagidir H. G., Onat P., Yalinay M., Sezerman U., Bolay H. B.
The journal of headache and pain, vol.25, no.1, pp.192, 2024 (SCI-Expanded)
- IV. **tVNS alters inflammatory response in adult VPA-induced mouse model of autism: evidence for sexual dimorphism**
Dağidir H. G., Bukan N., Bahçelioglu M., Çalikuşu A., Alim E., Akarca Dizakar S. Ö., Abbasoğlu Topa E. G., Belen H. B.
FEBS OPEN BIO, vol.1, no.1, pp.1-12, 2024 (SCI-Expanded)
- V. **Reply to the letter: Headaches during/after SARS-CoV-2 infection/vaccination can be primary and secondary as well as acute and chronic, by Finsterer J and Mehri S**
Mitsikostas D. D., Caronna E., De Tommaso M., Deligianni C. I., Ekizoglu E., BELEN H. B., Göbel C. H., Kristoffersen E. S., Lampl C., Moro E., et al.
European Journal of Neurology, vol.31, no.7, 2024 (SCI-Expanded)
- VI. **Phthalate exposure induces cell death and ferroptosis in neonatal microglial cells.**
Keleş E., Aral A., Elmazoğlu Z., Kazan H. H., Topa E. G. A., Ergün M. A., Bolay H. B.
Turkish journal of medical sciences, vol.54, no.5, pp.1102-1115, 2024 (SCI-Expanded)
- VII. **Micro RNA-146, HMGB1 and IL-17 profile and cognitive symptoms in chronic migraine**
Dagidir H. G., Bandirmali D., Akgor M. H. C., Vuralli D., YALINAY A. M., GÜMÜŞ AKAY G., BELEN H. B.
FEBS OPEN BIO, pp.362, 2024 (SCI-Expanded)
- VIII. **Headaches and facial pain attributed to SARS-CoV-2 infection and vaccination: a systematic review.**
Mitsikostas D. D., Caronna E., De Tommaso M., Deligianni C. I., Ekizoglu E., Bolay H. B., Göbel C. H., Kristoffersen E. S., Lampl C., Moro E., et al.
European journal of neurology, vol.31, no.6, 2024 (SCI-Expanded)
- IX. **Virtual dynamic interaction games reveal impaired multisensory integration in women with migraine.**
Ince M. S., Guzel I., Akgor M. C., Bahcelioglu M., Arikan K. B., Okasha A., Sengezer S., Bolay H. B.
Headache, vol.64, no.5, pp.482-493, 2024 (SCI-Expanded)
- X. **Leaky gut and inflammatory biomarkers in a medication overuse headache model in male rats**
VURALLI D., Gök Dağidir H., Abbasoğlu Topa E. G., BELEN H. B.
Turkish Journal of Medical Sciences, vol.54, no.1, pp.33-41, 2024 (SCI-Expanded)
- XI. **Other primary headache disorders: Data from the HEAD-MENA-A study in Africa, Asia, and the Middle East**
Atalar A., Genç H., Ur Özçelik E., BELEN H. B., Uluduz D., Unal-Cevik U., Kissani N., Luvsannorov O., Togha M., Ozge A., et al.
Clinical Neurology and Neurosurgery, vol.236, 2024 (SCI-Expanded)
- XII. **Evaluation of Auditory Temporal Discrimination Thresholds in Migraine Patients.**
Gokdogan O., Gokdogan C., Yalcinkaya F., Cengiz B., Bolay H. B.
Audiology & neuro-otology, vol.28, pp.420-426, 2023 (SCI-Expanded)
- XIII. **COVID-19 vaccination-related headache showed two different clusters in the long-term course: a prospective multicenter follow-up study (COVA-Head Study)**
Atalar A. Ç., Acarlı A. N. Ö., BAYKAL B., Martelletti P., BELEN H. B., Ertaş M., Ekizoğlu E., Karadaş Ö., POLAT B., Gençdal I. Y., et al.
Journal of Headache and Pain, vol.24, no.1, 2023 (SCI-Expanded)
- XIV. **The influence of stereotaxic lesions of claustrum on motor movements and behaviour in rats**
Secen A. E., Akçalı D. T., Dileköz E., Cagil E., Divanlioglu D., Ocal O., Belen H. B.
SOMATOSENSORY AND MOTOR RESEARCH, 2023 (SCI-Expanded)
- XV. **Medication overuse headache is associated with elevated lipopolysaccharide binding protein and pro-inflammatory molecules in the bloodstream.**
Dağidir H. G., Topa E. G., Vuralli D., Belen H. B.

- The journal of headache and pain, vol.24, no.1, pp.150, 2023 (SCI-Expanded)
- XVI. **Distinct Food Triggers for Migraine, Medication Overuse Headache and Irritable Bowel Syndrome**
Akgor M. C., Vuralli D., Sucu D. H., Gokce S., Tasdelen B., Gultekin F., Bolay H. B.
JOURNAL OF CLINICAL MEDICINE, vol.12, no.20, 2023 (SCI-Expanded)
- XVII. **Mitochondrial metabolism related markers GDF-15, FGF-21, and HIF-1 α are elevated in pediatric migraine attacks**
Kilinc Y. B., Kilinc E., Danis A., Hanci F., Turay S., Ozge A., BELEN H. B.
Headache, vol.63, no.8, pp.1076-1086, 2023 (SCI-Expanded)
- XVIII. **Secondary headache disorders in Turkey, the Middle East, Asia, and Africa: A cross-sectional, multicenter study**
Evlice A., Genç H., Uluduz D., BAYKAL B., BELEN H. B., ÜNAL ÇEVİK I., Kissani N., Luvsannorov O., Togha M., Ozge A.
Cephalalgia : an international journal of headache, vol.43, no.8, 2023 (SCI-Expanded)
- XIX. **Female migraine patients had lower COVID-19 phobia and PCL-5 scores during the lockdown period.**
Aktan Ç., Toptan T., Utku Ç., Bolay H. B.
Acta neurologica Belgica, vol.123, no.4, pp.1313-1320, 2023 (SCI-Expanded)
- XX. **Levcromakalim provokes an acute rapid-onset migraine-like phenotype without inducing cortical spreading depolarization.**
Alpay B., Cimen B., Akaydin E., Bolay H. B., Sara Y.
The journal of headache and pain, vol.24, no.1, pp.93, 2023 (SCI-Expanded)
- XXI. **Cross-sectional, hospital-based analysis of headache types using ICHD-3 criteria in the Middle East, Asia, and Africa: the Head-MENAA study.**
Genc H., Baykan B., Bolay H. B., Uluduz D., Unal-Cevik I., Kissani N., Luvsannorov O., Togha M., Ozdemir A. A., Ozge A., et al.
The journal of headache and pain, vol.24, no.1, pp.24, 2023 (SCI-Expanded)
- XXII. **Visual temporal discrimination is impaired in patients with migraine without aura.**
Başarı A., Boran H. E., Vuralli D., Cengiz B., Bolay H. B.
Headache, vol.63, no.2, pp.202-210, 2023 (SCI-Expanded)
- XXIII. **Headache attributed to SARS-CoV-2 infection, vaccination and the impact on primary headache disorders of the COVID-19 pandemic: A comprehensive review.**
Caronna E., Van Den Hoek T. C., Bolay H. B., Garcia-Azorin D., Gago-Veiga A. B., Valeriani M., Takizawa T., Messlinger K., Shapiro R. E., Goadsby P. J., et al.
Cephalalgia : an international journal of headache, vol.43, no.1, 2023 (SCI-Expanded)
- XXIV. **Migraine susceptibility is modulated by food triggers and analgesic overuse via sulfotransferase inhibition**
Vuralli D., Arslan B., Topa E. G., De Morais A. L., Gulbahar Ö., Ayata C., Bolay H. B.
JOURNAL OF HEADACHE AND PAIN, vol.23, no.1, 2022 (SCI-Expanded)
- XXV. **Cluster Analysis Revealed Two Hidden Phenotypes of Cluster Headache**
Dikmen P. Y., Ari C., Sahin E., Ertas M., Domac F. M., Aydınlar E., Şahin A., Ozge A., Ozguner H., Karadas O., et al.
FRONTIERS IN NEUROLOGY, vol.13, 2022 (SCI-Expanded)
- XXVI. **Interrupted processing of paired somatosensory stimuli in short interstimulus intervals: role of thalamo-cortical oscillations**
Tepe N., Boran H. E., Geduk S., Dileköz E., Ulusoy İ., Belen H. B.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.52, no.4, pp.1371-1377, 2022 (SCI-Expanded)
- XXVII. **Microglial iron trafficking: new player in brain injury**
Keles E., Kazan H. H., Aral L. A., Belen H. B.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.52, no.5, pp.1415-1424, 2022 (SCI-Expanded)
- XXVIII. **HMGB1, NLRP3, IL-6 and ACE2 levels are elevated in COVID-19 with headache: a window to the infection-related headache mechanism**
Bolay H. B., Karadas Ö., Oztürk B., Sonkaya R., Tasdelen B., Bulut T. D. S., Gülbahar Ö., Özge A., Baykan B.
JOURNAL OF HEADACHE AND PAIN, vol.22, no.1, 2021 (SCI-Expanded)
- XXIX. **HMGB1, NLRP3, IL-6 and ACE2 Levels Are Elevated in COVID-19 with Headache: A Window to the**

Infection-Related Headache Mechanism

Belen H. B., Karadas O., Ozturk B., Sonkaya R., Tasdelen B., Bulut T., Gulbahar O., Ozge A., Baykan B.
JOURNAL OF HEADACHE AND PAIN, vol.22, no.SUPPL 2, 2021 (SCI-Expanded)

- XXX. **Clinical characteristics and burden of a large series with cluster headache from Turkey**
Dikmen P. Y., Ari C., Sahin E., Ertas M., Domac F. M., AYDINLAR E., Sahin A., Ozge A., Ozguner H., Karadas O., et al.
JOURNAL OF HEADACHE AND PAIN, vol.22, no.SUPPL 1, pp.21-22, 2021 (SCI-Expanded)
- XXXI. **Clinical characteristics and burden of a large series with cluster headache from Turkey**
Dikmen P. Y., Ari C., Sahin E., Ertas M., Domac F. M., AYDINLAR E., Sahin A., Ozge A., Ozguner H., Karadas O., et al.
CEPHALALGIA, vol.41, no.1_SUPPL, pp.32, 2021 (SCI-Expanded)
- XXXII. **HMGB1, NLRP3, IL-6 and ACE2 Levels Are Elevated in COVID-19 with Headache: A Window to the Infection-Related Headache Mechanism**
BELEN H. B., Karadas O., Ozturk B., Sonkaya R., Tasdelen B., Bulut T., Gulbahar O., Ozge A., Baykan B.
CEPHALALGIA, vol.41, no.1_SUPPL, pp.231, 2021 (SCI-Expanded)
- XXXIII. **Behavioral and Neurodevelopmental Effects of Early Interventions in Adult Wistar Rats**
Küçükkarapınar M., Dönmez A., Candansayar S., Bozkurt A., Akçay E., Gülbahar Ö., Belen H. B.
NOROPSIKIYATRI ARSIVI-ARCHIVES OF NEUROPSYCHIATRY, vol.58, no.2, pp.137-145, 2021 (SCI-Expanded)
- XXXIV. **Latent class cluster analysis identified hidden headache phenotypes in COVID-19: impact of pulmonary infiltration and IL-6.**
Karadaş Ö., Öztürk B., Sonkaya A. R., Taşdelen B., Özge A., Bolay H. B.
Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology, vol.42, pp.1665-1673, 2021 (SCI-Expanded)
- XXXV. **Urgent Need for ICHD Criteria for COVID-19-Related Headache: Scrutinized Classification Opens the Way for Research.**
Baykan B., Özge A., Ertaş M., Atalar A. Ç., Bolay H. B.
Noro psikiyatri arsivi, vol.58, pp.79-80, 2021 (SCI-Expanded)
- XXXVI. **Cellular iron storage and trafficking are affected by GTN stimulation in primary glial and meningeal cell culture**
Aral L. A., ERGÜN M. A., BELEN H. B.
TURKISH JOURNAL OF BIOLOGY, vol.45, no.1, pp.46-55, 2021 (SCI-Expanded)
- XXXVII. **Updated review on the link between cortical spreading depression and headache disorders.**
Vuralli D., Karatas H., Yemişçi M., Bolay H. B.
Expert review of neurotherapeutics, vol.21, pp.1069-1084, 2021 (SCI-Expanded)
- XXXVIII. **Iron homeostasis is altered in response to hypoxia and hypothermic preconditioning in brain glial cells**
Aral L. A., Ergün M. A., Engin A. B., Börcek A. Ö., Belen H. B.
Turkish journal of medical sciences, vol.50, no.8, pp.2005-2016, 2020 (SCI-Expanded)
- XXXIX. **Thalamocortical network interruption: A fresh view for migraine symptoms**
Bolay H. B.
Turkish journal of medical sciences, vol.50, pp.1651-1654, 2020 (SCI-Expanded)
- XL. **Are Migraine Patients at Increased Risk for Symptomatic Coronavirus Disease 2019 Due to Shared Comorbidities?**
Bolay H. B., ÖZGE A., Uluduz D., Baykan B.
HEADACHE, vol.60, no.10, pp.2508-2521, 2020 (SCI-Expanded)
- XLI. **Effect of gabapentin on sleep-deprivation-induced disruption of prepulse inhibition**
Kaya-Yertutanol F. D., UZBAY İ. T., Cevreli B., Bolay-Belen H. B.
PSYCHOPHARMACOLOGY, vol.237, no.10, pp.2993-3006, 2020 (SCI-Expanded)
- XLII. **Headache characteristics in COVID-19 pandemic-a survey study**
Uygun O., Ertas M., Ekizoglu E., Bolay H. B., Özge A., Kocasoy Orhan E., Cagatay A. A., Baykan B.
JOURNAL OF HEADACHE AND PAIN, vol.21, 2020 (SCI-Expanded)
- XLIII. **Case Series of Headache Characteristics in COVID-19: Headache Can Be an Isolated Symptom**
Toptan T., Aktan C., Basari A., Bolay H. B.

- HEADACHE, vol.60, no.8, pp.1788-1792, 2020 (SCI-Expanded)
- XLIV. **COVID-19 is a Real Headache!**
Bolay H. B., Gül A., Baykal B.
HEADACHE, vol.60, pp.1415-1421, 2020 (SCI-Expanded)
- XLV. **Endothelial and Autonomic Functions in Patients with Migraine**
Doğru M. T., Dileköz E., Alpua M., Eroğlu O., Kandemir H., Alp C., Bolay H. B.
PAIN MEDICINE, vol.21, 2020 (SCI-Expanded)
- XLVI. **Aura and Head pain: relationship and gaps in the translational models**
Bolay H. B., VURALLI D., Goadsby P. J.
JOURNAL OF HEADACHE AND PAIN, vol.20, no.1, 2019 (SCI-Expanded)
- XLVII. **Reduced Short-Latency Afferent Inhibition Indicates Impaired Sensorimotor Integrity During Migraine Attacks**
Alaydin H. C., VURALLI D., Keceli Y., Can E., CENGİZ B., Bolay H. B.
HEADACHE, vol.59, no.6, pp.906-914, 2019 (SCI-Expanded)
- XLVIII. **CGRP receptor antagonist MK-8825 attenuates cortical spreading depression induced pain behavior**
Filiz A., Tepe N., Eftekhari S., BORAN H. E., DİLEKÖZ E., Edvinsson L., Bolay H. B.
CEPHALALGIA, vol.39, no.3, pp.354-365, 2019 (SCI-Expanded)
- XLIX. **Behavioral and cognitive animal models in headache research**
VURALLI D., Wattiez A., Russo A. F., Bolay H. B.
JOURNAL OF HEADACHE AND PAIN, vol.20, 2019 (SCI-Expanded)
- L. **Headache Anatomy and Mechanisms of Peripheral Nerve Interventions**
Bolay H. B., Karadas O.
PERIPHERAL INTERVENTIONAL MANAGEMENT IN HEADACHE, pp.7-16, 2019 (SCI-Expanded)
- LI. **Peripheral Interventional Management in Headache Preface**
ÖZGE A., Bolay H. B., Uluduz D., Karadas O.
PERIPHERAL INTERVENTIONAL MANAGEMENT IN HEADACHE, 2019 (SCI-Expanded)
- LII. **Cognitive dysfunction and migraine**
VURALLI D., Ayata C., Bolay H. B.
JOURNAL OF HEADACHE AND PAIN, vol.19, 2018 (SCI-Expanded)
- LIII. **Visual and Postural Motion-Evoked Dizziness Symptoms Are Predominant in Vestibular Migraine Patients**
VURALLI D., Yildirim F., AKÇALI D. T., İLHAN M. N., Goksu N., Bolay H. B.
PAIN MEDICINE, vol.19, no.1, pp.178-183, 2018 (SCI-Expanded)
- LIV. **An Action Plan to Face the Challenge of Dementia: INTERNATIONAL STATEMENT ON DEMENTIA from IAP for Health**
Chertkow H., Hogan D. B., Black S., Feldman H., Gauthier S., Rockwood K., Masellis M., McGilton K., Tierney M. C., Rylett J., et al.
JPAD-JOURNAL OF PREVENTION OF ALZHEIMERS DISEASE, vol.5, no.3, pp.207-212, 2018 (SCI-Expanded)
- LV. **CSD evolution in 2017**
Bolay H. B.
JOURNAL OF HEADACHE AND PAIN, vol.18, 2017 (SCI-Expanded)
- LVI. **Somatosensory temporal discrimination remains intact in tension-type headache whereas it is disrupted in migraine attacks**
Vurallı D., Boran H. E., Cengiz B., Coşkun Ö., Bolay H. B.
CEPHALALGIA, vol.37, no.13, pp.1241-1247, 2017 (SCI-Expanded)
- LVII. **Co-occurrence of migraine and atopy in children and adolescents: myth or a casual relationship?**
ÖZGE A., Uluduz D., Bolay H. B.
CURRENT OPINION IN NEUROLOGY, vol.30, no.3, pp.287-291, 2017 (SCI-Expanded)
- LVIII. **The Effect of Hydrogen Sulphide on Experimental Cerebral Vasospasm**
Emmez H., BÖRCEK A. Ö., İŞİK GÖNÜL İ., BELEN H. B., Solaroglu L., Baykaner M. K.
TURKISH NEUROSURGERY, vol.27, no.3, pp.374-379, 2017 (SCI-Expanded)

- LIX. **Metoclopramide inhibits trigeminovascular activation: evidence for effective acute attack treatment in migraine**
Doganay Aydin H., VURALLI D., AKÇALI D. T., Bolay H. B.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.47, no.1, pp.343-347, 2017 (SCI-Expanded)
- LX. **Sex-Related Influences in Migraine**
Pavlovic J. M., Akcali D. T., Bolay H. B., Bernstein C., Maleki N.
JOURNAL OF NEUROSCIENCE RESEARCH, vol.95, pp.587-593, 2017 (SCI-Expanded)
- LXI. **Nitroglycerin challenge induces lateralized headache in nasociliary nerve-ligated rats: implications for chronic migraine**
Akcali D. T., Belen A. D., Babacan A., Bolay H. B.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.47, no.2, pp.681-688, 2017 (SCI-Expanded)
- LXII. **Chronic Migraine Is Associated With Sustained Elevation of Somatosensory Temporal Discrimination Thresholds**
Vurallı D., Boran H. E., Cengiz B., Coşkun Ö., Bolay H. B.
HEADACHE, vol.56, no.9, pp.1439-1447, 2016 (SCI-Expanded)
- LXIII. **Somatosensory temporal discrimination is prolonged during migraine attacks.**
BORAN H. E., Cengiz B., Bolay H. B.
Headache, vol.56, no.1, pp.104-12, 2016 (SCI-Expanded)
- LXIV. **Adulthood behavioral and neurodevelopmental effects of being raised by an ambivalent mother in rats: what does not kill you makes you stronger**
Donmez R. A., Candansayar S., Derinöz Güteryüz O., Gülbahar Ö., Bolay H. B.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.46, no.5, pp.1546-1560, 2016 (SCI-Expanded)
- LXV. **Gender influences headache characteristics with increasing age in migraine patients**
Bolay H. B., ÖZGE A., Saginc P., Orekici G., Uluduz D., Yalin O., SIVA A., BIÇAKCI Ş., Karakurum B., Ozturk M.
CEPHALALGIA, vol.35, no.9, pp.792-800, 2015 (SCI-Expanded)
- LXVI. **Gender differences in older adults with chronic migraine in Turkey**
ÖZGE A., Uluduz D., Selekler M., Ozturk M., BAYKAL B., Cinar N., Domac F. M., ZARİFOĞLU M., Inan L. E., AKYOL A., et al.
GERIATRICS & GERONTOLOGY INTERNATIONAL, vol.15, no.5, pp.652-658, 2015 (SCI-Expanded)
- LXVII. **The thalamic reticular nucleus is activated by cortical spreading depression in freely moving rats: prevention by acute valproate administration**
Tepe N., Filiz A., DİLEKÖZ E., Akcali D. T., Sara Y., Charles A., Bolay H. B.
EUROPEAN JOURNAL OF NEUROSCIENCE, vol.41, no.1, pp.120-128, 2015 (SCI-Expanded)
- LXVIII. **Investigation of behavior of rats by nitroglycerine induced headache**
Akcali D. T., Sara Y., Babacan A., Bolay H. B.
JOURNAL OF HEADACHE AND PAIN, vol.15, 2014 (SCI-Expanded)
- LXIX. **MR tractography in short lasting unilateral neuralgiform headache attacks with conjunctival injection and tearing (SUNCT) patients: case reports**
Coskun Ö., Uçar M., Yildirim F., Cetinkaya R., Bolay H. B.
JOURNAL OF HEADACHE AND PAIN, vol.15, 2014 (SCI-Expanded)
- LXX. **Behavioural and neurobiological consequences of 2 different chronic stressors in rats**
Donmez R. A., Kaya F. D., DERİNÖZ GÜLERYÜZ O., EMMEZ Ö. H., CANDANSAYAR S., Bolay Belen H. B.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.44, no.6, pp.955-966, 2014 (SCI-Expanded)
- LXXI. **CGRP receptor antagonists attenuate pain behavior induced by cortical spreading depression in freely moving rats**
Filiz A., Tepe N., Boran E., Sajedeh E., Lars E., Bolay H. B.
JOURNAL OF HEADACHE AND PAIN, vol.15, 2014 (SCI-Expanded)
- LXXII. **The effects of the estrus cycle and citalopram on anxiety-like behaviors and c-fos expression in rats**
Sayin A., DERİNÖZ GÜLERYÜZ O., YÜKSEL N., Sahin S., Bolay H. B.
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, vol.124, pp.180-187, 2014 (SCI-Expanded)
- LXXIII. **Intracranial Hypotension and Hypertension in Children and Adolescents**

- ÖZGE A., Bolay H. B.
CURRENT PAIN AND HEADACHE REPORTS, vol.18, no.7, 2014 (SCI-Expanded)
- LXXXIV. **The International Classification of Headache Disorders, 3rd edition (beta version)**
Bes A., Kunkel R., Lance J. W., Nappi G., Pfaffenrath V., Rose F. C., Schoenberg B. S., Soyka D., Tfelt-Hansen P., Welch K. M. A., et al.
CEPHALALGIA, vol.33, no.9, pp.629-808, 2013 (SCI-Expanded)
- LXXXV. **En'lightning' the impact of atmospheric conditions in headache**
Bolay H. B.
CEPHALALGIA, vol.33, no.6, pp.362-364, 2013 (SCI-Expanded)
- LXXXVI. **Pathophysiology of Migraine**
BORAN H. E., Bolay H. B.
NOROPSIKIYATRI ARSIVI-ARCHIVES OF NEUROPSYCHIATRY, vol.50, pp.1-7, 2013 (SCI-Expanded)
- LXXXVII. **The first phase of a migraine attack resides in the cortex**
Bolay H. B.
JOURNAL OF NEURAL TRANSMISSION, vol.119, no.5, pp.569-574, 2012 (SCI-Expanded)
- LXXXVIII. **Systemic paracetamol-induced analgesic and antihyperalgesic effects through activation of descending serotonergic pathways involving spinal 5-HT7 receptors**
Dogrul A., Seyrek M., Akgul E. O., Cayci T., Kahraman S., Bolay H. B.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.677, pp.93-101, 2012 (SCI-Expanded)
- LXXXIX. **Does Low Atmospheric Pressure Independently Trigger Migraine?**
Bolay H. B., Rapoport A.
HEADACHE, vol.51, no.9, pp.1426-1430, 2011 (SCI-Expanded)
- LXXX. **Does single cortical spreading depression elicit pain behaviour in freely moving rats?**
Akcali D., Sayin A., Sara Y., Bolay H. B.
CEPHALALGIA, vol.31, pp.21, 2011 (SCI-Expanded)
- LXXXI. **Is gender an important factor on primary headache symptoms?**
Belen H. B., Saginc P., Ozge A., Temel G. O.
CEPHALALGIA, vol.31, no.1, pp.125-126, 2011 (SCI-Expanded)
- LXXXII. **Sex-Related Differences in Animal Models of Migraine Headache**
Bolay H. B., Berman N. E. J., Akcali D. T.
HEADACHE, vol.51, no.6, pp.891-904, 2011 (SCI-Expanded)
- LXXXIII. **Cyclosporine A-induced acute hepatotoxicity in guinea pigs is associated with endothelin-mediated decrease in local hepatic blood flow**
ERDEM Ş. R., Emre-Aydingoz S., ATILLA P., Cakar A. N., DALKARA T., Bolay H. B., TUNCER M.
LIFE SCIENCES, vol.88, pp.753-760, 2011 (SCI-Expanded)
- LXXXIV. **Does single cortical spreading depression elicit pain behaviour in freely moving rats?**
Akcali D., Sayin A., Sara Y., Bolay H.
CEPHALALGIA, vol.30, no.10, pp.1195-1206, 2010 (SCI-Expanded)
- LXXXV. **Intact neurovascular coupling during executive function in migraine without aura: Interictal near-infrared spectroscopy study**
Schytz H. W., Ciftci K., AKIN A., Ashina M., Bolay H. B.
CEPHALALGIA, vol.30, no.4, pp.457-466, 2010 (SCI-Expanded)
- LXXXVI. **African dust-laden atmospheric conditions activate the trigeminovascular system**
Doganay H., Akcali D. T., Goktas T., Caglar K., Erbas D., Saydam C., Bolay H. B.
CEPHALALGIA, vol.29, no.10, pp.1059-1068, 2009 (SCI-Expanded)
- LXXXVII. **CSD as a therapeutic target for migraine**
Bolay H. B.
CEPHALALGIA, vol.29, no.10, pp.1125-1128, 2009 (SCI-Expanded)
- LXXXVIII. **Effect of a Chloride Channel Inhibitor, 5-Nitro-2-(3-Phenylpropylamino)-Benzoate, on Endothelin-1 Induced Vasoconstriction in Rabbit Basilar Artery**
Dogulu F., Barun S., Emmez H., Elmas Ç., Onal B., Belen H. B., Erdogan D., Ilgit E. T., Saridglu Y., Kurt G., et al.

TURKISH NEUROSURGERY, vol.19, no.4, pp.380-386, 2009 (SCI-Expanded)

- LXXXIX. **Escitalopram and metoclopramide interaction: A case report** **Essitalopram metoklopramid etkileşimi: Bir vaka sunumu**
Erdoğan S., Çizmeci P., AKÇALI D. T., BELEN H. B.
Klinik Psikofarmakoloji Bulteni, vol.19, 2009 (SCI-Expanded)
- XC. **Escitalopram and metoclopramide interaction: A case report**
Erdogan S., Cizmeci P., Akcali D. T., Bolay H. B.
KLINIK PSIKOFARMAKOLOJİ BULTENİ-BULLETIN OF CLINICAL PSYCHOPHARMACOLOGY, vol.19, 2009 (SCI-Expanded)
- XCI. **Averroës in The School of Athens: A renaissance man and his contribution to western thought and neuroscience**
Belen D., BELEN H. B.
Neurosurgery, vol.64, no.2, pp.374-381, 2009 (SCI-Expanded)
- XCII. **Percutaneous pulsed radiofrequency reduces mechanical allodynia in a neuropathic pain model**
Ozsoylar O., Akcali D. T., Cizmeci P., Babacan A., Cahana A., Bolay H. B.
ANESTHESIA AND ANALGESIA, vol.107, no.4, pp.1406-1411, 2008 (SCI-Expanded)
- XCIII. **Subclinical dysfunction of cochlea and cochlear efferents in migraine: an otoacoustic emission study**
Bolay H. B., Bayazit Y. A., Gunduz B., Ugur A. K., Akcali D. T., Altunyay S., Ilica S., Babacan A.
CEPHALALGIA, vol.28, no.4, pp.309-317, 2008 (SCI-Expanded)
- XCIV. **Effect of platelet-rich plasma on peripheral nerve regeneration**
Sariguney Y., Yavuzer R., ELMAS Ç., Yenicesu I., Bolay H. B., Atabay K.
JOURNAL OF RECONSTRUCTIVE MICROSURGERY, vol.24, no.3, pp.159-167, 2008 (SCI-Expanded)
- XCV. **Pulsed radiofrequency reduces mechanical allodynia in neuropathic pain model in rat**
Ozsoylar O., Babacan A., Bolay H. B., Cahana A.
SWISS MEDICAL WEEKLY, vol.137, 2007 (SCI-Expanded)
- XCVI. **Leflunomide prevents vasospasm secondary to subarachnoid haemorrhage**
Belen D., Besalti O., Yigitkanli K., Koesemehmetoglu K., Simsek S., Bolay H. B.
ACTA NEUROCHIRURGICA, vol.149, no.10, pp.1041-1047, 2007 (SCI-Expanded)
- XCVII. **Subdinal impairment of neuromuscular transmission in transient global amnesia**
Ertas M., Bolay H. B., Kocasoy-Orhan E., Hanagasi H., BAYKAL B.
COGNITIVE AND BEHAVIORAL NEUROLOGY, vol.20, no.3, pp.179-183, 2007 (SCI-Expanded)
- XCVIII. **Delayed neurotoxic complication of intracavitary bleomycin therapy for craniopharyngioma in a child who had previously undergone radiosurgery - Case report**
Belen D., Er U., Yigitkanli K., Bolay H. B.
JOURNAL OF NEUROSURGERY, vol.106, no.5, pp.391-393, 2007 (SCI-Expanded)
- XCIX. **Clarithromycin monotherapy-induced delirium**
Ozsoylar G., Sayin A., Bolay H. B.
JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY, vol.59, no.2, pp.331, 2007 (SCI-Expanded)
- C. **Animal models of migraine**
Bolay H. B.
EUROPEAN JOURNAL OF NEUROLOGY, vol.13, pp.4, 2006 (SCI-Expanded)
- CI. **Leflunomide prevents vasospasm secondary to subarachnoid haemorrhage**
Belen D., Besalti O., Yigitkanli K., Kosememetoglu K., Bolay H. B.
EUROPEAN JOURNAL OF NEUROLOGY, vol.13, pp.45, 2006 (SCI-Expanded)
- CII. **Cerebrovascular dynamics in patients with migraine: Near-infrared spectroscopy study**
AKIN A., Bilensoy D., Emir U., Gulsoy M., Candansayar S., Bolay H. B.
NEUROSCIENCE LETTERS, vol.400, pp.86-91, 2006 (SCI-Expanded)
- CIII. **The emerging importance of cortical spreading depression in migraine headache**
Bolay H. B., Moskowitz M.
REVUE NEUROLOGIQUE, vol.161, pp.655-657, 2005 (SCI-Expanded)
- CIV. **The emerging importance of cortical spreading depression in migraine headache**

- Bolay H. B., Moskowitz M.
Revue Neurologique, vol.161, pp.655-657, 2005 (SCI-Expanded)
- CV. **Preclinical evaluation of a novel intracerebral microinjection instrument permitting electrophysiologically guided delivery of therapeutics**
Cunningham M., Bolay H. B., Scouten C., Moore C., Jacoby D., Moskowitz M., Sorensen J.
NEUROSURGERY, vol.54, no.6, pp.1497-1507, 2004 (SCI-Expanded)
- CVI. **Cortical spreading depression activates and upregulates MMP-9**
Gursoy-Ozdemir Y., Qiu J., Matsuoka N., Bolay H. B., Bempohl D., Jin H., Wang X., Rosenberg G., Lo E., Moskowitz M.
JOURNAL OF CLINICAL INVESTIGATION, vol.113, no.10, pp.1447-1455, 2004 (SCI-Expanded)
- CVII. **Transient high altitude neurological dysfunction: An origin in the temporoparietal cortex**
Firth P., Bolay H. B.
HIGH ALTITUDE MEDICINE & BIOLOGY, vol.5, no.1, pp.71-75, 2004 (SCI-Expanded)
- CVIII. **Deciphering migraine mechanisms: Clues from familial hemiplegic migraine genotypes**
Moskowitz M., Bolay H. B., Dalkara T.
ANNALS OF NEUROLOGY, vol.55, no.2, pp.276-280, 2004 (SCI-Expanded)
- CIX. **Simultaneous imaging of total cerebral hemoglobin concentration, oxygenation, and blood flow during functional activation**
Dunn A., Devor A., Bolay H. B., Andermann M., Moskowitz M., Dale A., Boas D.
OPTICS LETTERS, vol.28, no.1, pp.28-30, 2003 (SCI-Expanded)
- CX. **Transcorneal stimulation of trigeminal nerve afferents to increase cerebral blood flow in rats with cerebral vasospasm: a noninvasive method to activate the trigeminovascular reflex**
Atalay B., Bolay H. B., Dalkara T., Soylemezoglu F., Oge K., Ozcan O.
JOURNAL OF NEUROSURGERY, vol.97, no.5, pp.1179-1183, 2002 (SCI-Expanded)
- CXI. **Nitric oxide may contribute to the long-term impairment of synaptic transmission after transient ischemia - Response**
Bolay H. B., Dalkara T.
STROKE, vol.33, no.10, pp.2349-2350, 2002 (SCI-Expanded)
- CXII. **Mechanisms of pain modulation in chronic syndromes**
Bolay H. B., Moskowitz M.
NEUROLOGY, vol.59, no.5, 2002 (SCI-Expanded)
- CXIII. **Persistent defect in transmitter release and synapsin phosphorylation in cerebral cortex after transient moderate ischemic injury**
Bolay H. B., Gursoy-Ozdemir Y., Sara Y., Onur R., Can A., Dalkara T.
STROKE, vol.33, no.5, pp.1369-1375, 2002 (SCI-Expanded)
- CXIV. **Nuclear factor-kappa B as a molecular target for migraine therapy**
Reuter U., Chiarugi A., Bolay H. B., Moskowitz M.
ANNALS OF NEUROLOGY, vol.51, no.4, pp.507-516, 2002 (SCI-Expanded)
- CXV. **Intrinsic brain activity triggers trigeminal meningeal afferents in a migraine model**
Bolay H. B., Reuter U., Dunn A., Huang Z., Boas D., Moskowitz M.
NATURE MEDICINE, vol.8, no.2, pp.136-142, 2002 (SCI-Expanded)
- CXVI. **Delayed inflammation in rat meninges: implications for migraine pathophysiology**
Reuter U., Bolay H. B., Jansen-Olesen I., Chiarugi A., del Rio M., Letourneau R., Theoharides T., Waerber C., Moskowitz M.
BRAIN, vol.124, pp.2490-2502, 2001 (SCI-Expanded)
- CXVII. **Chronic daily administration of selegiline and EGb 761 increases brain's resistance to ischemia in mice**
Unal I., Gursoy-Ozdemir Y., Bolay H. B., Soylemezoglu F., Saribas O., Dalkara T.
BRAIN RESEARCH, vol.917, no.2, pp.174-181, 2001 (SCI-Expanded)
- CXVIII. **Dynamic imaging of cerebral blood flow using laser speckle**
Dunn A., Bolay T., Moskowitz M., Boas D.
JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, vol.21, no.3, pp.195-201, 2001 (SCI-Expanded)

- CXIX. **Altered mechanisms of motor-evoked potential generation after transient focal cerebral ischemia in the rat: implications for transcranial magnetic stimulation**
 Bolay H. B., GURSOY-OZDEMIR Y., UNAL I., DALKARA T.
 BRAIN RESEARCH, vol.873, no.1, pp.26-33, 2000 (SCI-Expanded)
- CXX. **Role of endothelial nitric oxide generation and peroxynitrite formation in reperfusion injury after focal cerebral ischemia**
 GURSOY-OZDEMIR Y., BOLAY H. B., SARIBAS O., DALKARA T.
 STROKE, vol.31, no.8, pp.1974-1980, 2000 (SCI-Expanded)
- CXXI. **Pinealectomy aggravates and melatonin administration attenuates brain damage in focal ischemia**
 KILIC E., GURSOY-OZDEMIR Y., BOLAY H. B., KELESTIMUR H., DALKARA T.
 JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, vol.19, no.5, pp.511-516, 1999 (SCI-Expanded)
- CXXII. **Occlusion of the MCA by an intraluminal filament may cause disturbances in the hippocampal blood flow due to anomalies of circle of Willis and filament thickness**
 GURSOY-OZDEMIR Y., BOLAY H. B., ERDEM E., DALKARA T.
 BRAIN RESEARCH, vol.822, pp.260-264, 1999 (SCI-Expanded)
- CXXIII. **Mechanisms of motor dysfunction after transient MCA occlusion - Persistent transmission failure in cortical synapses is a major determinant**
 Bolay H. B., Dalkara T.
 STROKE, vol.29, no.9, pp.1988-1993, 1998 (SCI-Expanded)
- CXXIV. **Alpha interferon treatment in myasthenia gravis: Effects on natural killer cell activity**
 Bolay H. B., Karabudak R., Aybay C., Candemir H., Varli K., Imir T., Kansu E.
 JOURNAL OF NEUROIMMUNOLOGY, vol.82, no.2, pp.109-115, 1998 (SCI-Expanded)
- CXXV. **Low dose interferon-alpha is safe in patients with myasthenia gravis**
 Bolay H. B., Karabudak R., Varli K., Saribas O.
 JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY, vol.62, no.3, pp.302-303, 1997 (SCI-Expanded)
- CXXVI. **PCR detected hepatitis C virus genome in the brain of a case with progressive encephalomyelitis with rigidity**
 Bolay H. B., Soylemezoglu F., Nurlu G., Tuncer S., Varli K.
 CLINICAL NEUROLOGY AND NEUROSURGERY, vol.98, no.4, pp.305-308, 1996 (SCI-Expanded)
- CXXVII. **Unusual appearance of intracranial fibromuscular dysplasia - A case report**
 Belen D., Bolay H. B., Firat M., Akpınar G., Bertan V.
 ANGIOLOGY, vol.47, no.6, pp.627-632, 1996 (SCI-Expanded)
- CXXVIII. **Bale's concentric sclerosis - Report of two patients with magnetic resonance imaging follow-up**
 Bolay H. B., Karabudak R., Tacal T., Onol B., Selekler K., Saribas O.
 JOURNAL OF NEUROIMAGING, vol.6, no.2, pp.98-103, 1996 (SCI-Expanded)
- CXXIX. **LATE-ONSET ABSENCE SEIZURES IN MULTIPLE-SCLEROSIS - A CASE-REPORT**
 BOLAY H. B., AY H., SAYGI S., CIGER A., SARIBAS O.
 CLINICAL ELECTROENCEPHALOGRAPHY, vol.26, no.2, pp.124-130, 1995 (SCI-Expanded)
- CXXX. **PARTIAL MYOCLONUS DUE SUBACUTE SCLEROSING PANENCEPHALITIS (SSPE)**
 SEYGI S., BOLAY H. B., ELIBOL B., ARAS T.
 EPILEPSIA, vol.36, pp.490, 1995 (SCI-Expanded)
- CXXXI. **PROTECTIVE EFFECT OF THE IRON CHELATOR DEFEROXAMINE ON CEREBRAL VASOSPASM**
 CANER H., SENAATI S., BOLAY H. B., KILINC K., BENLI K.
 VASCULAR SURGERY, vol.26, no.8, pp.665-671, 1992 (SCI-Expanded)
- CXXXII. **FIBROMUSCULAR DYSPLASIA OF THE BASILAR ARTERY - A CASE WITH BRAIN-STEM STROKE**
 SAYGI S., BOLAY H. B., TEKKOK I., CILA A., ZILELI T.
 ANGIOLOGY, vol.41, no.8, pp.658-661, 1990 (SCI-Expanded)

Articles Published in Other Journals

- I. **Theory of mind and metacognition in migraine patients**
Erkoc Ataoglu E., toptan t., Vuralı D., ATEŞ SARI Y., Bolay H.
Annals of Medical Research, vol.31, no.3, pp.249-253, 2024 (Peer-Reviewed Journal)
- II. **Sensory Sensitivity in Migraine without Aura Patients Is Correlated with The Duration of The Disease and Comorbid Anxiety**
İnce M. S., Güzel İ., Akgör M. C., Bahçelioğlu M., Belen H. B.
Yüksek İhtisas Üniversitesi Sağlık Bilimleri Dergisi, vol.4, no.3, pp.90-95, 2023 (Peer-Reviewed Journal)
- III. **Migraine chronification is associated with higher body mass index and elevated serum interleukin-6 levels**
Vuralı D., Bolay H.
Annals of Medical Research, vol.30, no.9, pp.1149-1152, 2023 (Peer-Reviewed Journal)
- IV. **Endometriosis and Migraine Endometriozis ve Migren**
Buyuktasgin F., Belen H. B.
Gazi Medical Journal, vol.34, no.2, pp.256-262, 2023 (Scopus)
- V. **Uzun Dönem COVID-19 ve Baş Ağrısı**
Çelik G., Vuralı D., Belen H. B.
Türkiye Klinikleri Tıp Bilimleri Dergisi, vol.2022, no.Mart, pp.10-15, 2022 (Scopus)
- VI. **COVID-19 ve baş ağrısı ilişkisi. Uludüz D, Özge A, editörler. Nörolojik Bilimler ve COVID-19. 21.**
Toptan T., Aktan Ç., Belen H. B.
Türkiye Klinikleri, pp.18-21, 2020 (Peer-Reviewed Journal)
- VII. **An action plan to face the challenge of dementia:International statement on dementia from IAP for health. International IAP committee on Dementia.**
howard c., BELEN H. B., Hogan D., Howard f., Gauthier s., Macellsı M., pascal l., Ryley J., Atkins Ama A., Liaquat Ali A.
The Journal of Prevention of Alzheimer's Disease, vol.5, no.3, pp.207-212, 2018 (Scopus)
- VIII. **Subaraknoid Kanamanın Klinik Özellikleri, Sentinel Başağrısı ve Ayırıcı Tanı**
VURALLI D., BELEN H. B.
Türk Nöroşirürji Dergisi, vol.28, no.3, pp.380-385, 2018 (Peer-Reviewed Journal)
- IX. **Türkiye'de Kronik Migren Özellikleri ve Hastaya Yaklaşım**
VURALLI D., BELEN H. B.
Türkiye Klinikleri Tıp Bilimleri Dergisi, vol.10, no.4, pp.347-352, 2017 (Scopus)
- X. **Story Based Activities Enhance Literacy Skills in Preschool Children.**
YAZICI E., BELEN H. B.
Universal Journal of Educational Research, vol.5, no.5, pp.815-823, 2017 (Scopus)
- XI. **The role of cortical spreading depression in migraine**
VURALLI D., Bolay H. B.
FUTURE NEUROLOGY, vol.10, no.6, pp.503-506, 2015 (ESCI)
- XII. **Case of Sarcoidosis of the Central Nervous System and Orbita**
Mercan M., Akyol A., Karaman Y., Bolay H. B.
CASE REPORTS IN MEDICINE, vol.2015, 2015 (ESCI)
- XIII. **'Mind problem: From biology to philosophy' - A symposium organized by the Neuropsychiatric Research Center at the Gazi University, September 22-23, 2006 Biyolojiden felsefeye akıl sorunu gazi noropsiki yatri buluşmaları 22-23 Eylül 2006**
Yamaç K., Aytekin A. M., Aysever L., Bolay H. B., Bolay S. H., Candansayar S., Firth P., Güzel C., Öksüz I., Öztürk M., et al.
Gazi Medical Journal, vol.17, no.3, pp.121-144, 2006 (Scopus)
- XIV. **The role of lipid peroxidation in the genesis of vasospasm secondary to subarachnoid hemorrhage.**
Caner H., Oruçkaptan H., BELEN H. B., Kiliñç K., Senaati S., Benli K., Ayhan A.
The Kobe journal of medical sciences, vol.37, no.1, pp.13-20, 1991 (Scopus)

Books & Book Chapters

- I. **Headache Disorders in Pandemic Conditions**
Özge A., Uludüz D., Karadaş Ö., Belen H. B. (Editor)
Springer Nature, Basel, 2023
- II. **THE ROLE OF CALCITONIN GENE- RELATED PEPTIDE ANTAGONISM IN MIGRAINE TREATMENT**
Çelik G., Vurallı D., Belen H. B.
in: Primary Headache Disorders, Musa ÖZTÜRK, Babür DORA, Elif KOCASOY ORHAN, Editor, Baycınar Tıbbi Yayıncılık, Ankara, pp.194-202, 2023
- III. **Pathophysiology and Inflammatory Mechanisms of COVID-19 Headache**
Akyol Gürses A., Vurallı D., Aral L. A., Belen H. B.
in: Headache Disorders in Pandemic Conditions, Aynur ÖZGE, Derya ULUDÜZ, Hayrunnisa BOLAY, Ömer KARADAŞ, Editor, Springer Nature, Basel, pp.87-96, 2023
- IV. **Nociplastic pain in COVID-19**
Aktan Ç., Çelik G., Akçalı D. T., Belen H. B.
in: Headache Disorders in Pandemic Conditions, Aynur Ozge, Derya Uludüz, hayrunnisa Bolay, Ömer Karadaş, Editor, Springer Nature, Basel, pp.131-139, 2023
- V. **Uzun Dönem COVID-19 ve Baş Ağrısı**
Çelik G., Vurallı D., Belen H. B.
in: , Alev LEVENTOĞLU, Saim Füsün MAYDA DOMAÇ, Editor, Türkiye Klinikleri Yayınevi, Ankara, pp.10-15, 2022
- VI. **Pediatric headache**
Vurallı D., Özge A., Belen H. B.
in: Headache and migraine in practice, Togha M, Jafari E, Mohammadinejat SE, Haghighi S, Ansari H, Editor, Elsevier Science, Oxford/Amsterdam , London, pp.239-265, 2022
- VII. **Kalsitonin Gen İlişkili Peptid Antagonizmasının Migren Tedavisinde Yeri**
Çelik G., Vurallı D., Belen H. B.
in: Tanıdan Tedaviye BAŞAĞRISI, Musa ÖZTÜRK, Şebnem BIÇAKCI, Babür DORA, Figen GÖKÇAY, Necdet KARLI, Derya ULUDÜZ, Sabahattin SAIP, Editor, Akademisyen Yayınevi Kitabevi, Ankara, pp.199-204, 2022
- VIII. **Kalsitonin Gen İlişkili Peptid Antagonizmasının Migren Tedavisinde Yeri**
ÇELİK G., VURALLI D., BELEN H. B.
in: Tanıdan Tedaviye BAŞAĞRISI,, Musa ÖZTÜRK, Şebnem BIÇAKCI, Babür DORA, Figen GÖKÇAY, Necdet KARLI, Derya ULUDÜZ, Sabahattin SAIP,, Editor, Akademisyen Yayınevi, Ankara, pp.199-204, 2022
- IX. **UZUN DÖNEM COVID-19 VE BAŞ AĞRISI**
ÇELİK G., VURALLI D., BELEN H. B.
in: Uzun Dönem COVID - 19 ve Nöroloji, Alev Leventoğlu, Füsün Domaç, Editor, Türkiye Klinikleri, Ankara, pp.10-15, 2022
- X. **Baş ağrısı bozukluklarının uluslararası sınıflaması**
ÖZGE A., DOMAÇ S. F., BAYKAL B., Uludüz D., BELEN H. B.
Nobel Tıp, İstanbul, 2021
- XI. **Sensory Processing and Sensorimotor Integration in Migraine**
Boran H. E., Belen H. B., Garabenstein A., Pohl H.
in: Neurophysiology of the Migraine Brain, Gianluca Coppola, Wei Chen, Editor, Springer, London/Berlin , Basel, pp.113-131, 2021
- XII. **Sensory Processing and Sensorimotor Integration in Migraine**
Boran H. E., Belen H. B., Gantenbein H. A. R., Pohl H.
in: Neurophysiology of the Migraine Brain, Gianluca Coppola, Wei-Ta Chen, Editor, Springer, Cham, pp.113-131, 2021
- XIII. **COVID-19 ve baş ağrısı ilişkisi**
Toptan T., Aktan Ç., Belen H. B.
in: Nörolojik Bilimler ve COVID-19, Uludüz D, Özge Aynur, Editor, Türkiye Klinikleri Yayınevi, Ankara, pp.18-21, 2020

- XIV. **Peripheral Interventional Management in Headache**
ÖZGE A., ULUDUZ D., KARADAŞ Ö., BELEN H. B.
Springer, Cham, 2019
- XV. **Headache anatomy and mechanisms of peripheral nerve interventions**
BELEN H. B., KARADAŞ Ö.
in: Peripheral Interventional Management in Headache, Ozge A, Uludüz D, Karadaş Ö, Bolay H, Editor, Springer, Cham, pp.7-16, 2019
- XVI. **Migren Tedavisinde Ufukta Görünen Seçenekler.**
BELEN H. B.
in: Başağrısı tanı tedavi ve güncel yaklaşımlar. Eds Galenos yayınevi, İstanbul, pp:79-85, 2018. ISBN: 978-605-89294-7-0., Bıçakçı Ş, Öztürk M, Üçler S, Karlı N, Siva A., Editor, Galenos, İstanbul, pp.79-85, 2018
- XVII. **Turkey**
BELEN H. B.
in: Profiles of woman scientist in Asia, Their inspirational stories., Cheryl A Praeger, Editor, The Association of Academies and Societies of Sciences in Asia, pp.149-152, 2018
- XVIII. **Migraine without aura, with a discussion of trigger factors**
ERTAŞ M., BELEN H. B.
in: Case Based Diagnosis and Management of Headache Disorders, Siva A, Lampl C, Editor, Spriger, pp.127-134, 2015
- XIX. **Anatomy of Headaches**
BELEN H. B., KARL M., DIDEM A., MARIA D.
in: Pathophysiology of Headaches, Ashina M, Geppetti P, Editor, Springer, pp.1-31, 2015
- XX. **Biological Sciences for Headache; Pharmacology**
BELEN H. B., DURHAM P.
in: Handbook of Clinical Neurology, Nappi G, Moskowitz M, Editor, Elsevier, Amsterdam, pp.47-71, 2011
- XXI. **Neurogenic inflammatory mechanisms in migraine**
JOHNSON K., BELEN H. B.
in: The Headaches, Jes Olesen, Peter Goadsby, Nabih Ramadan, Peer Tfelt-Hansen, and K. Michael A. Welch, Editor, Liipincott Williams & Wilkins, Philadelphia, pp.309-319, 2006
- XXII. **. The neurobiology of migraine and transformation of headache therapy**
BELEN H. B., MOSKOWITZ M.
in: Neuroscience Molecular Medicine and the Therapeutic Transformation of Neurology, Stephen Waxman, Editor, Elsevier, San Diego, pp.107-123, 2005
- XXIII. **Nöron Akıllı mıdır?**
ÇAPRAZ İ., BELEN H. B.
in: Akılın Halleri, Seçuk Candansayar, Editor, Peday yayınları, Ankara, pp.29-46, 2004

Refereed Congress / Symposium Publications in Proceedings

- I. **Food triggers in medication overuse headache, migraine and irritable bowel disease**
Vuralı D., Ceren Akgör M. H., Gökçe İlbasmış S., Taşdelen B., Gültekin F., Belen H. B.
International Headache Congress, Seoul, South Korea, 14 - 17 September 2023, pp.5-6
- II. **BILATERAL TRANSAURICULAR VAGAL NERVE STIMULATION MODIFIES SOCIAL ADAPTION, ANXIETY, AND NEURODEVELOPMENTAL BIOMARKERS IN AN AUTISM MODEL: SEX MATTERS**
Çalıklı A., Abbasoğlu Topa E. G., Kılınç H., Atalar K., Barç E. D., Belen H. B., Bahçelioğlu M.
IBRO 11TH WORLD CONGRES OF NEUROSCIENCE, Granada, Spain, 9 - 13 September 2023, vol.15, pp.75
- III. **Understanding Pain Patterns in Medication Overuse Headache: Insights from Türkiye's Real Life Experience**
Tepe N., Belen H. B., Ceren Akgör M., Vuralı D., Arı B. Ç., Eliaçık S., Kısabay Ak A., Uzunkaya Ö., Ergin N., Sarıtaş A. Ş., et al.

International Headache Congress (IHC) 2023, Seoul, South Korea, 14 - 17 September 2023

- IV. **The effects of bilateral transauricular vagus nerve stimulation on LPS-induced acute inflammation and pain behaviour**
Atalar K., Alim E., Çalıkuşu A., Abbasoğlu Topa E. G., Gök Dağdır H., Bahçelioğlu M., Bukan N., Belen H. B.
IBRO 11TH WORLD CONGRES OF NEUROSCIENCE, Granada, Spain, 9 - 13 September 2023, vol.15, pp.362
- V. **Long-Term Course of COVID-19 Vaccination-Related Headache: A Prospective Multicenter Follow-Up Study**
Atalar A. C., Acarli A. N. O., Baykan B., BELEN H. B., Ertas M., EKİZOĞLU TURGUT E., Karadas O., Marteletti P., Polat B., Gencdal I. Y., et al.
International Headache Congress (IHC), Seoul, South Korea, 14 - 17 September 2023, pp.5
- VI. **Understanding Pain Patterns in Medication Overuse Headache: Insights from Türkiye's Real-Life Experience**
Tepe N., BELEN H. B., CEREN AKGÖR M. H., VURALLI D., Ari B. C., Eliacik S., Ak A. K., Uzunkaya O., Ergin N., Saritas A. S., et al.
International Headache Congress (IHC), Seoul, South Korea, 14 - 17 September 2023, pp.168-170
- VII. **Headache profiles of patients who were referred to neurology clinics: A subgroup analysis of the Head-MENAA study**
Genc H., BELEN H. B., Baykan B., Uluduz D., ÜNAL ÇEVİK I., Kissani N., Luvsannorov O., Togha M., Ozdemir A. A., ÖZGE A.
International Headache Congress (IHC), Seoul, South Korea, 14 - 17 September 2023, pp.151-152
- VIII. **Acute levromakalim injection induces pain-related behaviors independent of SD in male Wistar rats**
Alpay B., ÇİMEN B., AKAYDIN E., BELEN H. B., SARA M. Y.
International Headache Congress (IHC), Seoul, South Korea, 14 - 17 September 2023
- IX. **1 week of Nicotinamide Riboside Administration does not Mitigate Spreading Depression**
Alpay B., AKAYDIN E., ÇİMEN B., BELEN H. B., SARA M. Y.
International Headache Congress (IHC), Seoul, South Korea, 14 - 17 September 2023, pp.179
- X. **Other primary headache disorders: data from the head-MENA-A study in the Africa, Asia and, Middle East**
Atalar A. C., Genc H., Ozcelik E. U., BELEN H. B., Uluduz D., ÜNAL ÇEVİK I., Kissani N., Luvsannorov O., Togha M., ÖZGE A., et al.
International Headache Congress (IHC), Seoul, South Korea, 14 - 17 September 2023, pp.275
- XI. **Behavioral changes induced by transauricular vagal nerve stimulation in experimental autism spectrum disorder model**
Çalıkuşu A., Abbasoğlu Topa E. G., Kılınç H., Atalar K., Barç D. E., Belen H. B., Bahçelioğlu M.
21. Ulusal Sinirbilim Kongresi, Bolu, Turkey, 8 - 11 June 2023, pp.24
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İnce M. S., Güzel İ., Ceren Akgör M. H., Bahçelioğlu M., Arıkan K. B., Okasha A., Şengezer S., Belen H. B.
21. Ulusal Sinirbilim Kongresi, Bolu, Turkey, 8 - 11 June 2023, pp.20
- XIII. **Senar S., Vurallı D., Çelik G., Erturul Tokgöz E., Belen H. B.**
58. Ulusal Nöroloji Kongresi, Antalya, Turkey, 19 - 24 November 2022, pp.684
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58. Ulusal Nöroloji Kongresi, Antalya, Turkey, 19 - 24 November 2022, pp.17
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Gökçe S., Ceren Akgör M. H., Vurallı D., Taşdelen B., Gültekin F., Belen H. B.
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57. ULUSAL NÖROLOJİ KONGRESİ, Antalya, Turkey, 27 November 2021
- XX. Evaluation of Visual Perception in Migraine**
Başarı A., Belen H. B., Cengiz B., Boran H. E., Vurallı D.
Global Migraine and Pain Summit, 5th MENA meeting and 3rd Turkish African Meeting of Headache and Pain Management, Antalya, Turkey, 27 - 30 October 2021, pp.38
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Global Migraine and Pain Summit, 5th MENA Meeting 3rd Turkish African Meeting of Headache and Pain Management, Antalya, Turkey, 27 - 30 October 2021, vol.38, no.1, pp.2
- XXII. HMGB1, NLRP3, IL-6 and ACE2 Levels Are Elevated in COVID-19 with Headache: A Window to the Infection-Related Headache Mechanism**
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International Headache Congress 2021, Berlin, Germany, 8 - 12 September 2021, vol.22, no.68, pp.2
- XXIII. COVID-19 İLİŞKİLİ BAŞ AĞRILARININ KARAKTERİSTİK ÖZELLİKLERİNİN İNCELENMESİ-**
Uygun Yıldırım Ö., Ertaş M., Ekizoğlu Turgut E., Belen H. B., Kocasoy Orhan E., Özge A., Baykan B.
56. Ulusal Nöroloji Kongresi, Antalya, Turkey, 28 November - 02 December 2020, vol.1, no.1, pp.8
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Vurallı D., Abbasoğlu Topa E. G., Arslan B., Lopes De Morais A., Gülbahar Ö., Ayata C., Belen H. B.
Global Migraine and Pain Summit, 4th MENA Meeting 2nd Turkish African Meeting of Headache and Pain Management, Antalya, Turkey, 28 - 31 October 2020, vol.1, no.1, pp.9
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56. Ulusal Nöroloji Kongresi, İstanbul, Turkey, 28 November - 02 December 2020, vol.34, no.10, pp.32-33
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Toptan T., Erkoç Ataoğlu N. E., Bozdağ Y., Belen H. B.
Global Migraine and Pain MENA congress, Antalya, Turkey, 28 - 31 October 2020, vol.1, no.3, pp.12
- XXVII. Theory of Mind and Metacognitive Abilities in Migraine Patients**
Erkoç Ataoğlu N. E., Toptan T., Bozdağ Y., Belen H. B.
Global migraine and Pain MENA congress, Antalya, Turkey, 28 - 31 October 2020, vol.3, no.1, pp.8
- XXVIII. Effect of N-acetyl cysteine in oxaliplatin induced neuropathic pain in rat model**
ERMİŞ O., ABBASOĞLU TOPA E. G., AKÇALI D. T., BELEN H. B.
Global Migraine and Pain, 28 - 31 October 2020, vol.3, pp.1-17
- XXIX. Interstimulus Interval Change of Paired Somatosensory Stimulus on Cortical Evoked Potentials**
TEPE N., BORAN H. E., gedük s., DİLEKÖZ E., ULUSOY İ., BELEN H. B.
GLOBAL MIGRAINE & PAIN SUMMIT 4th MENA Meeting & 2nd Turkish African Meeting of Headache and Pain Management, Turkey, 28 - 31 October 2020
- XXX. Lessons from COVID-19 headache**
BELEN H. B.
Global Migraine and Pain Summit, 28 - 31 October 2020
- XXXI. Impaired somatosensorial stimulus processing in migraine.**
BELEN H. B.
UMRAM USERS MEETING, Ankara, Turkey, 13 December 2019

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BELEN H. B.
Vertigoya multidisipliner yaklaşım, Kuşadası, Turkey, 18 - 19 November 2019
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5th European Headache and Migraine Trust International Congress - EHMTIC, Glasgow, United Kingdom, 15 - 18 September 2016, vol.36, pp.66
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VURALLI D., Alaydin H. C., Keceli Y., Can E., CENGİZ B., Bolay H. B.
19th International Headache Congress of International-Headache-Society, Dublin, Ireland, 5 - 08 September 2019, vol.39, pp.171
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5. Tıpta Ulusal Kariyer Günleri, Ankara, Turkey, 06 April 2019
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Vertigo Sempozyumu, Kıbrıs, Turkey, 15 - 17 March 2019
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Coskun A., Candansayar S., BELEN H. B., Donmez A., Gulbahar Ö., Coskun N.
31st Congress of the European-College-of-Neuropsychopharmacology (ECNP), Barcelona, Spain, 6 - 09 October 2018, vol.29
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3rd MENA meeting, Kahire, Egypt, 17 - 20 October 2018
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3rd MENA HEADACHE MEETING, Kahire, Egypt, 17 - 20 October 2018
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3rd MENA HEADACHE MEETING, Kahire, Egypt, 17 - 20 October 2018
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ÖZGE A., UĞURLU D., KARADAŞ Ö., Yalın O. Ö., BELEN H. B.
11th EUROPEAN HEADACHE FEDERATION CONGRESS The Journal of Headache and Pain, ROMA, Italy, 1 - 03 December 2017, vol.18, pp.137-138

- XLVII. **Hücre Kültüründe Hipoksinin ve Hipotermik Önşartlamının Glial Demir Homeostazı ve Demir Taşıyıcı Proteinler Üzerine Etkileri**
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24th National Congress of Neurology', IRAN, TAHRAN, Iran, 2 - 05 May 2017
- L. **'Clinical assessment and diagnostic algorithms in headache'**
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2nd MENA and 1st African Headache Meeting', Marakeş, Morocco, 6 - 08 April 2017
- LI. **'Pathophysiology of Migraine'.**
BELEN H. B.
'2nd MENA and 1st African Headache Meeting', Marakeş, Morocco, 6 - 08 April 2017
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BELEN H. B.
The 11th World Congress on Controversies in Neurology (CONy), Atina, Greece, 23 - 26 March 2017, vol.26, pp.18-19
- LIII. **'The thalamus and cortex are more critical to migraine pathophysiology than the trigeminal nerve'.**
BELEN H. B.
The 11th World Congress on Controversies in Neurology (CONy), Atina, Greece, 23 - 26 March 2017, vol.26, pp.19
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ARAL L. A., BELEN H. B.
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5th European Headache and Migraine Trust International Congress - EHMTIC, Glasgow, United Kingdom, 15 - 18 September 2016, vol.36, pp.78
- LVIII. **SOMATOSENSORY TEMPORAL DISCRIMATION TEST DIFFERENTIATES MIGRAINE HEADACHE FROM TENSION TYPE HEADACHE**
VURALLI D., BORAN H. E., CENGİZ B., COŞKUN Ö., BELEN H. B.
5th European Headache and Migraine Trust International Congress - EHMTIC, Glasgow, England, 15 September 2016
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5th European Headache and Migraine Trust International Congress - EHMTIC, Glasgow, England, 15 September 2016
- LX. **SUSTAINED DISRUPTION OF SENSORY PROCESSING IN CHRONIC MIGRAINE**
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5th International Congress of the European-Headache-and-Migraine-Trust (EHMTIC), Glasgow, United Kingdom, 15 - 18 September 2016, vol.36, pp.66

- LXI. **SOMATOSENSORY TEMPORAL DISCRIMATION TEST DIFFERENTIATES MIGRAINE HEADACHE FROM TENSION TYPE HEADACHE**
Vuralli D., Boran H. E., Cengiz B., Coskun O., Bolay H. B.
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- LXII. **VISUAL AND POSTURAL MOTION EVOKED DIZZINESS SYMPTOMS DOMINATE IN VESTIBULAR MIGRAINE PATIENTS**
Vuralli D., Yildirim F., Akcali D. T., Ilhan M., Goksu N., Bolay H. B.
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TÜBİTAK ARDEP Üniversite Programı, Bayburt, Turkey, 04 May 2016
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BELEN H. B.
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- LXVII. **Medication over use is the main causative factor in chronic migraine**
BELEN H. B.
The 10th World Congress on Controversies in Neurology (CONy, Lizbon, Portugal, 17 - 20 March 2016
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The 10th World Congress on Controversies in Neurology (CONy), Lizbon, Portugal, 17 - 20 March 2016
- LXIX. **Fibromiyaljide intranasal sfenopalatin ganglion blokajı**
AKÇALI D. T., VURALI D., BABACAN C. A., BELEN H. B.
TARK 2015 Türk Anesteziyoloji ve Reanimasyon Derneği 49. Ulusal Kongresi, Antalya, Turkey, 2 - 06 December 2015
- LXX. **Various aspects of pathophysiology of migraine such as cortical spreading depression**
BELEN H. B.
XXII. World Congress of Neurology, Santiago, Chile, 1 - 05 November 2015
- LXXI. **Various aspects of pathophysiology of migraine such as cortical spreading depression**
Bolay H. B.
22nd World Congress of Neurology (WCN), Santiago, Chile, 31 October - 05 November 2015, vol.357
- LXXII. **Challenges in Pediatric Headaches**
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International Iranian Headache Congress, TAHRAN, Iran, 16 - 19 September 2015
- LXXIII. **Headaches associated with intracranial pressure changes 16 18 Eylül 2015 Tahran**
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International Iranian Headache Congress, TAHRAN, Iran, 16 - 19 September 2015
- LXXIV. **Animal models of migraine with aura The 17th Congress of the International Headache Society IHC 2015 Valencia May 2015**
BELEN H. B.
The 17th Congress of the International Headache Society (IHC 2015) Valencia, Valencia, Spain, 13 - 16 May 2015
- LXXV. **Cortical spreading depression precedes each migraine attack**

- BELEN H. B.
The 9th World Congress on Controversies In Neurology, Budapest, Hungary, 26 - 29 March 2015
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BELEN H. B.
The 9th World Congress on Controversies In Neurology, Budapest, Hungary, 26 - 29 March 2015
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BELEN H. B.
The 9th World Congress on Controversies In Neurology, Budapest, Hungary, 26 - 29 March 2015
- LXXVIII. **Gender Difference Chronic Migraine in Elderly**
Ozge A., Uluduz D. U., Selekler M., Ozturk M., BAYKAL B., Cinar N., Domac F. M., Zarifoglu M., Inan L. E., Akyol A., et al.
International Headache Congress, Massachusetts, United States Of America, 27 - 30 June 2013, vol.33, pp.977-978
- LXXIX. **The Thalamic Reticular Nucleus Is Activated by Cortical Spreading Depression in Freely Moving Rats: Prevention by Acute Valproate**
Bolay H. B., Tepe N., Filiz A., Dilekoz E., Akcali D. T., Sara Y.
International Headache Congress of the International-Headache-Society and American-Headache-Society, Massachusetts, United States Of America, 27 - 30 June 2013, vol.33, pp.4-5
- LXXX. **African Dust-Laden Atmospheric Conditions Activate the Trigeminovascular System**
Bolay H. B., Doganay H., Akcali D. T., Goktas T., Caglar K., Erbas D., Saydam C.
62nd Annual Meeting of the American-Academy-of-Neurology, Toronto, Canada, 10 - 17 April 2010, vol.74
- LXXXI. **Intact neurovascular coupling during executive function in migraine without aura: interictal near-infrared spectroscopy study**
Bolay H. B., Schytza H. W., Ciftci K., AKIN A., Ashina M.
14th Congress of the International-Headache-Society, Pennsylvania, United States Of America, 10 - 13 September 2009, vol.29, pp.117
- LXXXII. **Hemodynamic Correlates of Mental Arithmetic Task In Migraine**
Unlu E., Bolay H. B., AKIN A.
14th National Biomedical Engineering Meeting, İzmir, Turkey, 20 - 22 May 2009, pp.320-321
- LXXXIII. **The effects of anti-angiogenetic drug thalidomide on experimental cerebral AVM ratmodels**
Belen D., Kuzu I., Erden E., Simsek S., Bolay H. B.
12th Congress of the European-Federation-of-Neurological-Societies, Madrid, Spain, 23 - 26 August 2008, vol.15, pp.62
- LXXXIV. **Novel experimental brain arteriovenous malformation (AVM) model in rats: the role of neo-angiogenesis in lesion growing**
Belen D., Erden E., Kuzu I., Simsek S., Bolay H. B.
12th Congress of the European-Federation-of-Neurological-Societies, Madrid, Spain, 23 - 26 August 2008, vol.15, pp.244
- LXXXV. **An experimental model for chronic headache**
Cizmeci P., Yalcinkaya D. E., Belen D., Babacan A., Bolay H. B.
12th Congress of the European-Federation-of-Neurological-Societies, Madrid, Spain, 23 - 26 August 2008, vol.15, pp.318
- LXXXVI. **Imagination and drawing of headache by twins**
ÖZGE A., Toros F., Demirel I., Bolay H. B., Yalcinkaya D. E., BINGOEL C. W.
7th International Congress on Headache in Children and Adolescents, İstanbul, Turkey, 17 - 21 May 2008, vol.28, pp.459
- LXXXVII. **Metoclopramide inhibits triigeminovascular activation: evidence for effective acute attack treatment in migraine**
AKÇALI D. T., Doganay-Aydin H., Bolay H. B.
7th International Congress on Headache in Children and Adolescents, İstanbul, Turkey, 17 - 21 May 2008, vol.28, pp.464
- LXXXVIII. **The importance of the cortex in migraine**
Bolay H. B.

7th International Congress on Headache in Children and Adolescents, İstanbul, Turkey, 17 - 21 May 2008, vol.28, pp.423-424

- LXXXIX. **ARX model approach to data acquired from healthy and migraine subjects**
Karahan E., AKIN A., BELEN H. B.
Biomedical Optics, BIOMED 2008, St. Petersburg, FL, United States Of America, 16 - 19 March 2008
- XC. **Temperament and character profiles of migraine patients**
Akcali D. T., Bolay H. B., Candansayar S., Cimeci P., Erdogan S.
13th Congress of the International-Headache-Society, Stockholm, Sweden, 28 June - 01 July 2007, vol.27, pp.589
- XCI. **Saharan desert dust containing atmospheric conditions activate trigeminovascular system**
Akcali D. T., Bolay H. B., Caglar K., Doganay H., Erbas D., Goktas T., Saydam C.
13th Congress of the International-Headache-Society, Stockholm, Sweden, 28 June - 01 July 2007, vol.27, pp.607
- XCII. **Trigger point injection add-on pharmacological treatment in chronic migraine and medication overuse headache**
Akcali D. T., Babacan A., Bolay H. B., Cizmeci P.
13th Congress of the International-Headache-Society, Stockholm, Sweden, 28 June - 01 July 2007, vol.27, pp.659
- XCIII. **Affective temperament characteristics of patients with migraine**
Akcali D. T., Bolay H. B., Candansayar S., Cizmeci P., Erdogan S.
13th Congress of the International-Headache-Society, Stockholm, Sweden, 28 June - 01 July 2007, vol.27, pp.589
- XCIV. **Subclinical dysfunction of cochlea and cochlear efferents in migraine: An otoacoustic emission study**
Bolay H. B., Bayazid Y., Gunduz B., Ugur A., Akcali D. T., Altunyay S., Ilica S., Babacan A.
59th Annual Meeting of the American-Academy-of-Neurology, Massachusetts, United States Of America, 28 April - 05 May 2007, vol.68
- XCV. **High frequency oscillations in brain hemodynamic response**
AKIN A., Bolay H. B.
Conference on Diffuse Optical Imaging of Tissue, Munich, Germany, 19 - 21 June 2007, vol.6629
- XCVI. **fNIRS Measurements in migraine**
AKIN A., Emir U., Bilensoy D., Erdogan G., Candansayar S., Bolay H. B.
Conference on Optical Tomography and Spectroscopy of Tissue VI, California, United States Of America, 23 - 26 January 2005, vol.5693, pp.417-423
- XCVII. **Cerebral hemodynamic reactivity measured by near-infrared spectroscopy in migraineurs**
AKIN A., Emir U. E., Bolay H. B.
27th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, Shanghai, China, 31 August - 03 September 2005, pp.1484-1487
- XCVIII. **Activation of ipsilateral pia-arachnoid cells and matrix metalloproteinases by cortical spreading depression in a migraine model**
Bolay H. B., Gursoy-Ozdemir Y., Qui J., Bermphohl D., Wang X., Rosenberg G., Lo E., Moskowitz M.
11th Congress of the International-Headache-Society, Rome, Italy, 12 - 16 September 2003, vol.23, pp.647
- XCIX. **Spatially-resolved cerebral blood flow imaging using laser speckle**
Dunn A., Bolay H. B., Moskowitz M., Boas D.
Conference on Optical Diagnostics of Living Cells IV, San-Jose, Costa Rica, 24 - 25 January 2001, vol.4260, pp.16-19

Supported Projects

BELEN H. B., Project Supported by Higher Education Institutions, İlaç aşırı kullanım baş ağrısı modelinde SULT1A1 enzim değişikliklerinin incelenmesi, 2023 - Continues

Belen H. B., Vuralı D., Üstün S., Çiçek M., Alkan S., TUBITAK Project, Migren ilişkili duyuşal işleme bozukluęunda tanı ve izlem için nörogörüntüleme belirteç aday tanımlanması ve yüz görüntü desenlerinden nesnel ağrı ölçütü geliştirilmesi, 2023 - 2027

Belen H. B., Bahçelioęlu M., Gülbahar Ö., Genç Ş., Aral L. A., Gümüş Akay G., Tüfekçi U., Vuralı D., TUBITAK Project, Kronik migren başaęrısında tanısai nöroinflamatuvar biyobelirteç paneli tanımlanması, 2023 - 2027

Belen H. B., Bahçeliođlu M., Çiçek M., Gümüş-Akay G., Temizel A., Aydın Son Y., Bayram B., Halıcı U., Ulusoy İ., Kalayciođlu C., et al., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, NÖROM Neuroscience and Neurotechnology Center of Excellence, 2019 - 2027

Bahçeliođlu M., Belen H. B., Bukan N., Şahin K., Atalar K., Akarca Dizakar S. Ö., Alim E., Gök Dađıdır H., Erten F., Project Supported by Higher Education Institutions, Effects of transauricular vagal nerve stimulation on pro and antiinflammatory cytokines in LPS induced cytokines storm model, 2022 - 2024

BELEN H. B., YALINAY A. M., VURALLI D., CEREN AKGÖR M. H., Project Supported by Higher Education Institutions, İlaç Aşırı Kullanım Başađrısında Nöroinflamasyon ve Mikrobiyota, 2022 - 2024

Belen H. B., Keleş E., Aral A., Project Supported by Higher Education Institutions, Ftalatların nörogelişimsel etkilerinin ve etki mekanizmalarının glial hücre kültüründe değerlendirilmesi, 2018 - 2021

Belen H. B., Aral L. A., Project Supported by Higher Education Institutions, İnflamasyon ile İlişkili Migren Patogenezinde Glial Hücrelerde Gelişen Demir Yanıtları, 2017 - 2018

Aral A., Engin A. B., Belen H. B., TÜBİTAK Project, Hipoksinin ve Hipotermik İndüksiyonun Neonatal Fare Beyni Glial Hücrelerinde Demir Homeostazı ve Demir Regülatör Proteinleri Üzerine Etkileri, 2014 - 2016

BELEN H. B., Project Supported by Higher Education Institutions, RATLARDA NİTROGLİSERİNLE İNDÜKLENEN BAŞAĐRISININ DAVRANIŞA ETKİLERİNİN İNCELENMESİ, 2010 - 2013

BELEN H. B., Project Supported by Higher Education Institutions, CGRP RESEPTÖR ANTOGONİSTİNİN YAYILAN KORTİKAL DEPRESYONUN İNDÜKLEDİĐİ DAVRANIŞA ETKİLERİNİN İNCELENMESİ, 2011 - 2012

BELEN H. B., Project Supported by Higher Education Institutions, RATLARDA YAYILAN KORTİKAL DEPRESYONUN SUBKORTİKAL ETKİLERİNİN İNCELENMESİ, 2009 - 2011

Belen H. B., Project Supported by Public Organizations in Other Countries, Triggering mechanisms of migraine headache, 2005 - 2008

Belen H. B., Project Supported by Higher Education Institutions, Migren Başađrısında beyinden kaynaklanan tetikleyici mekanizmaların moleküler düzeyde incelenmesi, 2004 - 2007

Memberships / Tasks in Scientific Organizations

Türkiye Bilimler Akademisi (TÜBA), Principal Member, 2019 - Continues, Turkey

International Headache Society, Member, 2008 - Continues, United Kingdom

Türk Nöroloji Derneđi, Member, 2002 - Continues, Turkey

Türkiye Bilimler Akademisi (TÜBA), Associate Member, 2010 - 2019, Turkey

TÜBİTAK, Member of Science Committee, 2015 - 2018, Turkey

International Headache Society, Board Member, 2013 - 2015, United Kingdom

Scientific Refereeing

HEADACHE THE JOURNAL OF HEAD AND FACE PAIN, SCI Journal, December 2023

HEADACHE THE JOURNAL OF HEAD AND FACE PAIN, SCI Journal, July 2023

HEADACHE THE JOURNAL OF HEAD AND FACE PAIN, SCI Journal, June 2023

HEADACHE THE JOURNAL OF HEAD AND FACE PAIN, SCI Journal, May 2023

HEADACHE THE JOURNAL OF HEAD AND FACE PAIN, SCI Journal, September 2022

HEADACHE THE JOURNAL OF HEAD AND FACE PAIN, SCI Journal, April 2022

HEADACHE THE JOURNAL OF HEAD AND FACE PAIN, SCI Journal, February 2022

HEADACHE THE JOURNAL OF HEAD AND FACE PAIN, SCI Journal, January 2022

HEADACHE THE JOURNAL OF HEAD AND FACE PAIN, SCI Journal, October 2021

CEPHALALGIA, SCI Journal, August 2021

CEPHALALGIA, SCI Journal, July 2021

CEPHALALGIA, SCI Journal, March 2021

HEADACHE, SCI Journal, August 2020

CEPHALALGIA, SCI Journal, July 2020
CEPHALALGIA, SCI Journal, July 2020
CEPHALALGIA, SCI Journal, June 2020
HEADACHE, SCI Journal, May 2020
CEPHALALGIA, SCI Journal, February 2020

Tasks In Event Organizations

Belen H. B., International Headache Congress 2023 Seoul, Scientific Congress, Seoul, South Korea, Eylül 2023
Belen H. B., Akdeniz Nöropsikiyatri Günleri, Scientific Congress, Girne, Cyprus (Kktc), Mart 2022
Belen H. B., Ulusal Sinirbilim Kongresi, Scientific Congress, İstanbul, Turkey, Kasım 2021
Belen H. B., GLOBAL MIGRAINE & PAIN SUMMIT 5th MENA Meeting & 3rd Turkish African Meeting of Headache and Pain Management, Scientific Congress, Turkey, Ekim 2021
Belen H. B., COVID-19 ve Ağrı sempozyumu, Scientific Congress, Ankara, Turkey, Haziran 2021
Belen H. B., Global Migraine and pain MENA meeting, Scientific Congress, Antalya, Turkey, Kasım 2020

Metrics

Publication: 270
Citation (WoS): 8612
Citation (Scopus): 12151
H-Index (WoS): 32
H-Index (Scopus): 34

Congress and Symposium Activities

International Headache Congress 2023, Invited Speaker, Seoul, South Korea, 2023
International Headache Congress 2023, Invited Speaker, Seoul, South Korea, 2023
International Headache Congress 2023, Session Moderator, Seoul, South Korea, 2023
2. Mikrobiom Kongresi, Session Moderator, İstanbul, Turkey, 2022
2. Mikrobiom kongresi, Invited Speaker, İstanbul, Turkey, 2022
16th European Headache Congress (EHC), Invited Speaker, Vienna, Austria, 2022
58. Ulusal Nöroloji Kongresi, Invited Speaker, Antalya, Turkey, 2022
GLOBAL MIGRAINE & PAIN SUMMIT 6th MENA Meeting & 3rd Turkish African Meeting of Headache and Pain Management, Session Moderator, Antalya, Turkey, 2022
GLOBAL MIGRAINE & PAIN SUMMIT 6th MENA Meeting & 3rd Turkish African Meeting of Headache and Pain Management, Invited Speaker, Antalya, Turkey, 2022
GLOBAL MIGRAINE & PAIN SUMMIT 6th MENA Meeting & 3rd Turkish African Meeting of Headache and Pain Management, Session Moderator, Antalya, Turkey, 2022
7th Iranian International Headache & 2nd joint Headache-Pain Congress , Invited Speaker, Tehran, Iran, 2022
Turkic Linguistic Group Meeting, Invited Speaker, İstanbul, Turkey, 2022
Akdeniz Nöropsikiyatri günleri , Invited Speaker, Girne, Cyprus (Kktc), 2022
16th World Congress on Controversies in Neurology (CONy), Invited Speaker, London, England, 2022
2nd Dubai Neurology Hybrid Congress, February 25-27, 2022. Dubai, BAE, Invited Speaker, Dubai, United Arab Emirates, 2022
57. Ulusal Nöroloji Kongresi, Invited Speaker, Antalya, Turkey, 2021
57. Ulusal Nöroloji Kongresi, Invited Speaker, Antalya, Turkey, 2021
Ulusal SinirBilim Kongresi, Invited Speaker, Ankara, Turkey, 2021

GLOBAL MIGRAINE & PAIN SUMMIT 5th MENA Meeting & 3rd Turkish African Meeting of Headache and Pain Management, Session Moderator, Antalya, Turkey, 2021

GLOBAL MIGRAINE & PAIN SUMMIT 5th MENA Meeting & 3rd Turkish African Meeting of Headache and Pain Management, Invited Speaker, Antalya, Turkey, 2021

GLOBAL MIGRAINE & PAIN SUMMIT 5th MENA Meeting & 3rd Turkish African Meeting of Headache and Pain Management, Invited Speaker, Antalya, Turkey, 2021

15th World Congress on Controversies in Neurology (CONy), Invited Speaker, Dubai, United Arab Emirates, 2021

The International Headache Congress IHS and EHF joint Congress, Session Moderator, Berlin, Germany, 2021

The International Headache Congress IHS and EHF joint Congress , Invited Speaker, Berlin, Germany, 2021

The International Headache Congress IHS and EHF joint Congress , Invited Speaker, Berlin, Germany, 2021

COVID-19 ve Ağrı Sempozyumu, Invited Speaker, Ankara, Turkey, 2021

Ulusal Ağrı e-Sempozyumu, Invited Speaker, Ankara, Turkey, 2021

Baş ağrısı Kış Okulu, Invited Speaker, İstanbul, Turkey, 2021

HEADACHE COOPERATIVE OF THE PACIFIC, Invited Speaker, California, United States Of America, 2021

2nd Iranian INTERNATIONAL Headache School , Invited Speaker, Tehran, Iran, 2021

56. Ulusal Nöroloji Kongresi: 28 Kasım - 2 Aralık 2020 Online, Invited Speaker, Antalya, Turkey, 2020

18. Ulusal Sinirbilim Kongresi USK2020, Invited Speaker, Ankara, Turkey, 2020

Global migraine and Pain & MENA Meeting, Invited Speaker, Antalya, Turkey, 2020

Awards

Uygun Yıldırım Ö., Ertaş M., Ekizoğlu Turgut E., Belen H. B., Özge A., Kocasoy Orhan E., Çağatay A. A., Baykan B., COVID-19 İLİŞKİLİ BAŞ AĞRILARININ KARAKTERİSTİK ÖZELLİKLERİNİN İNCELENMESİ, Türk Nöroloji Derneği, December 2020

Belen H. B., EFNS Bildiri Ödülü, Efn, August 2008

Belen H. B., TÜBİTAK Bilim Teşvik Ödülü, Tübitak, October 2004

Belen H. B., Bilim Teşvik Ödülü, Bayındır Tıp, September 2003

Belen H. B., Eczacıbaşı Bilimsel araştırma Ödülü, Eczacıbaşı, October 1999

Belen H. B., Beyin Araştırmaları Derneği Teşvik Ödülü, Beyin Araştırmaları Derneği, October 1999

Belen H. B., Beyin Araştırmaları Derneği Bilimsel proje ödülü, Beyin Araştırmaları Derneği, September 1998

Belen H. B., Hacettepe Üniversitesi Senatosu Bilim Başarı Belgesi, Hacettepe Üniversitesi, December 1992

Belen H. B., Young Investigator Award, American College Of Angiology, October 1991

Belen H. B., Caner H. H., Oruçkaptan H., Mahir Tevruz Ödülü, Türk Nöroşirürji Derneği, May 1990

Belen H. B., TÜBİTAK Liselerarası Fizik Yarışması, Tübitak, May 1981