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Education Information

Expertise In Medicine, Hacettepe University, Tıp Fakültesi (Türkçe), Cerrahi Tıp Bilimleri Bölümü, Turkey 2011 - 2016

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Nörolojik Ve Psikiyatrik Temel Bilimler, Turkey 2008 - 2015

Undergraduate, Hacettepe University, Tıp Fakültesi, Tıp (Md), Turkey 2004 - 2010

Foreign Languages

English, C1 Advanced

Research Areas

Medicine, Health Sciences, Surgery Medicine Sciences, Nervous System Surgery, Life Sciences, Neurobiology, Neuroanatomy, Neurophysiology, Natural Sciences

Academic Titles / Tasks

Lecturer, Hacettepe University, Tıp Fakültesi (Türkçe), Cerrahi Tıp Bilimleri Bölümü, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Evaluation of pediatric spinal ependymomas: A 25-year retrospective observational study**
Narin F., Bahadır S., HANALIOĞLU Ş., KARAKAYA D., Yahya D., Ozer H., Soylemezoglu F., BİLGİNER B.
MEDICINE, no.51, 2024 (SCI-Expanded)
- Relative Cortical Atrophy Index as a Strong Predictor of Recurrence After Surgery for Chronic Subdural Hematoma**
Charehsaz A., Vayisoglu T., Uyaniker Z. A., Cekic E., ÖZTÜRK E., IŞIKAY A. İ., HANALIOĞLU Ş.
NEUROSURGERY, vol.95, no.6, pp.1369-1377, 2024 (SCI-Expanded)
- Microsurgical anatomy and approaches to thalamic gliomas. Part 1: A cartography guide for**

navigating to the thalamus. Integrating 3D model rendering with anatomical dissections

Santos J. L. M., Aljuboori Z., Richardson A. M., HANALIOĞLU Ş., Peker H. O., Aydin I., Al-Sharshahi Z. F., Tunc O., Karatas D., AVCI E., et al.

JOURNAL OF NEUROSURGERY, vol.141, no.6, pp.1457-1471, 2024 (SCI-Expanded)

- IV. **Interactive microsurgical anatomy education using photogrammetry 3D models and an augmented reality cube**
Gurses M. E., Gonzalez-Romo N. I., Xu Y., Mignucci-Jimenez G., HANALIOĞLU Ş., Chang J. E., Rafka H., Vaughan K. A., Ellegala D. B., Lawton M. T., et al.
JOURNAL OF NEUROSURGERY, vol.141, no.1, pp.17-26, 2024 (SCI-Expanded)
- V. **Repeat endoscopic endonasal transsphenoidal surgery for residual or recurrent cushing's disease: safety, feasibility, and success**
HANALIOĞLU Ş., GÜRSES M. E., Gecici N. N., Baylarov B., IŞIKAY A. İ., Gurlek A., BERKER M.
PITUITARY, vol.27, no.3, pp.259-268, 2024 (SCI-Expanded)
- VI. **Quantitative assessment and objective improvement of the accuracy of neurosurgical planning through digital patient-specific 3D models**
HANALIOĞLU Ş., GÜRSES M. E., Baylarov B., Tunc O., IŞIKAY A. İ., Cagiltay N. E., TATAR İ., BERKER M.
FRONTIERS IN SURGERY, vol.11, 2024 (SCI-Expanded)
- VII. **Angiographic measurement of the superficial temporal artery for potential use in cerebral bypass surgery: a combined radiological and cadaveric study**
Sahin O. S., HANALIOĞLU Ş., Metin Sanli A., Bakir A., CÖMERT A., Baskaya M. K.
Surgical and Radiologic Anatomy, 2024 (SCI-Expanded)
- VIII. **Narrative review of patient-specific 3D visualization and reality technologies in skull base neurosurgery: enhancements in surgical training, planning, and navigation**
IŞIKAY A. İ., Cekic E., Baylarov B., Tunc O., HANALIOĞLU Ş.
FRONTIERS IN SURGERY, vol.11, 2024 (SCI-Expanded)
- IX. **Duraplasty with autologous cervical fascia in pediatric posterior fossa tumor surgery: a single-center experience with 214 cases**
Gecici N. N., GÜRSES M. E., IŞIKAY A. İ., BİLGİNER B., HANALIOĞLU Ş.
Child's Nervous System, 2024 (SCI-Expanded)
- X. **Ultrahigh-resolution 7-Tesla anatomic magnetic resonance imaging and diffusion tensor imaging of *ex vivo* formalin-fixed human brainstem-cerebellum complex**
Hanalioglu S., BAHADIR Ş., Ozak A. C., Yangi K., Mignucci-Jimenez G., Gurses M. E., Fuentes A., Mathew E., Graham D. T., ALTUĞ M. Y., et al.
FRONTIERS IN HUMAN NEUROSCIENCE, vol.18, 2024 (SCI-Expanded)
- XI. **Molecular Subgrouping Based on Immunohistochemistry in Medulloblastoma: A Single-Center Experience**
BABAÖĞLU B., HANALIOĞLU Ş., VARAN A., Karli Oguz K., BİLGİNER B., Dolgun A., Soylemezoglu F.
TURKISH NEUROSURGERY, vol.34, no.6, pp.999-1008, 2024 (SCI-Expanded)
- XII. **Applications of enhanced recovery after surgery protocols for unruptured anterior circulation aneurysms in tertiary-level healthcare institutions: a national study**
Yakar F., Bakirarar B., Elbir Ç., Egemen E., HANALIOĞLU Ş., Dere Ü. A., Civlan S., Töngçü Ç., Albuz B., Coşkun M. E., et al.
Neurosurgical focus, vol.55, no.6, 2023 (SCI-Expanded)
- XIII. **Clinical Significance of Pneumocephalus in Pediatric Mild Traumatic Brain Injury**
Hanalioglu D., Elbir C., Sahin O. S., Ercandirli A. K., Sahin B., Turkoglu M. E., Kertmen H. H., HANALIOĞLU Ş.
Pediatric Emergency Care, vol.39, no.11, pp.836-840, 2023 (SCI-Expanded)
- XIV. **Extracellular-Vesicle-Based Cancer Panels Diagnose Glioblastomas with High Sensitivity and Specificity**
Mut M., Adiguzel Z., ÇAKIR AKTAŞ C., HANALIOĞLU Ş., Gungor-Topcu G., Kiyga E., Isikay I., Sarac A., Soylemezoglu F., Strobel T., et al.
Cancers, vol.15, no.15, 2023 (SCI-Expanded)

- XV. **Current evidence for pharmacological management of pediatric concussion: a systematic review**
Hanalioglu D., Hanalioglu S., Arango J. I., Adelson P. D.
Child's Nervous System, vol.39, no.7, pp.1831-1849, 2023 (SCI-Expanded)
- XVI. **Enabling personalization of a robotic surgery procedure via a surgery training simulator**
Dede M. I. C., Buyukoztekin T., HANALIOĞLU Ş., Isikay I., BERKER M.
ROBOTICA, vol.41, pp.869-884, 2023 (SCI-Expanded)
- XVII. **Effects of Topically Applied Contractubex® on Epidural Fibrosis and Axonal Regeneration in Injured Rat Sciatic Nerve**
Ozay R., Keskin E., Balkan M. S., AKTAŞ A., Akturk U. D., ESENER O. B. B., Akturk T., HANALIOĞLU Ş., Atabey C., Sekerci Z.
Turkish Neurosurgery, vol.33, no.3, pp.437-446, 2023 (SCI-Expanded)
- XVIII. **Interplay between carotid artery dissection and thrombophilia leading to ischaemic stroke after minor head trauma in an adolescent: a case report**
Hanalioglu D., Oncel I., HANALIOĞLU Ş., Cebeci D., Kurt F., Gunes A., Gurkas E.
Paediatrics and International Child Health, vol.43, no.1-3, pp.13-18, 2023 (SCI-Expanded)
- XIX. **Cortical spreading depression can be triggered by sensory stimulation in primed wild type mouse brain: a mechanistic insight to migraine aura generation**
HANALIOĞLU Ş., TAŞKIRAN SAĞ A., KARATAŞ KURŞUN H., Donmez-Demir B., YILMAZ ÖZCAN S., EREN KOÇAK E., Gursoy-Ozdemir Y., DALKARA T.
JOURNAL OF HEADACHE AND PAIN, vol.23, no.1, 2022 (SCI-Expanded)
- XX. **A Novel Decision-Support Tool (IniCT Score) for Repeat Head Computed Tomography in Pediatric Mild Traumatic Brain Injury**
HANALIOĞLU Ş., HANALIOĞLU D., Elbir C., Gulmez A., Sahin O. S., Sahin B., Turkoglu M. E., Kertmen H. H.
WORLD NEUROSURGERY, vol.165, 2022 (SCI-Expanded)
- XXI. **Does Gross Total Resection Improve Progression-Free and Overall Survival in Pediatric Intracranial Ependymomas? Single-Center Clinical Experience Of 61 Cases**
Narin F., BAHADIR S., HANALIOĞLU Ş., KARAKAYA D., Basar I., Isikay I., Soylemezoglu F., Akalan N., BİLGİNER B.
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- XXII. **An interdisciplinary consensus on the management of brain metastases in patients with renal cell carcinoma**
Hasanov E., Yeboa D. N., Tucker M. D., Swanson T. A., Beckham T. H., Rini B., Ene C. I., Hasanov M., Derks S., Smits M., et al.
CA-A CANCER JOURNAL FOR CLINICIANS, vol.72, no.5, pp.454-489, 2022 (SCI-Expanded)
- XXIII. **Clinical course and outcomes of complicated mild traumatic brain injury in children: A single-center series of 124 cases**
HANALIOĞLU Ş., HANALIOĞLU D., Elbir C., Sahin O. S., Sahin B., Turkoglu M. E., Kertmen H. H.
NEUROLOGICAL SCIENCES AND NEUROPHYSIOLOGY, vol.39, no.3, pp.151-157, 2022 (SCI-Expanded)
- XXIV. **Contralateral vs. Ipsilateral Approach to Superior Hypophyseal Artery Aneurysms: An Anatomical Study and Morphometric Analysis**
Sahin B., Aydin S. O., Yilmaz M. O., Saygi T., HANALIOĞLU Ş., Akyoldas G., Baran O., Kiris T.
FRONTIERS IN SURGERY, vol.9, 2022 (SCI-Expanded)
- XXV. **Development and Validation of a Novel Methodological Pipeline to Integrate Neuroimaging and Photogrammetry for Immersive 3D Cadaveric Neurosurgical Simulation**
Hanalioglu S., Romo N. G., Mignucci-Jimenez G., Tunc O., GÜRSES M. E., Abramov I., Xu Y., Sahin B., Isikay I., TATAR İ., et al.
FRONTIERS IN SURGERY, vol.9, 2022 (SCI-Expanded)
- XXVI. **Can chlorogenic acid reduce oxidative stress and in an experimental spinal cord injury?**
BAL E., HANALIOĞLU Ş., Apaydin A. S., BAL C., Senat A., GÜMÜŞKAYA ÖCAL B., Bahadır B., Turkoglu O. F.
ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, vol.28, no.2, pp.125-133, 2022 (SCI-Expanded)
- XXVII. **Effect of mesenchymal stem cells therapy in experimental kaolin induced syringomyelia model.**

Bal E., Hanalioglu Ş., Kopru C. Z., Köse S., Basak A. T., Pehlivan S. B., Cetinkaya D. U., Purali N., Korkusuz P., Bozkurt G.

Journal of neurosurgical sciences, vol.66, pp.40-48, 2022 (SCI-Expanded)

- XXVIII. **Exogenous Amylase Reverses Cerebral Ischemia Induced by Selective Intraarterial Injection of Degradable Starch Microspheres: An Angiographic and Histological Study in a Novel in Vivo Animal Model**
BAŞAR İ., HANALIOĞLU Ş., BAHADIR S., Isikay I., ATILLA P., BİLGİNER B., ARAT A.
TURKISH NEUROSURGERY, vol.32, no.4, pp.667-672, 2022 (SCI-Expanded)
- XXIX. **Early Cerebral Blood Flow Changes, Cerebrovascular Reactivity and Cortical Spreading Depolarizations in Experimental Mild Traumatic Brain Injury Model**
HANALIOĞLU Ş., Hidayatov T., Isikay I., ÇAKIR AKTAŞ C., YEMİŞÇİ ÖZKAN M., MUT AŞKUN M.
TURKISH NEUROSURGERY, vol.32, no.3, pp.488-499, 2022 (SCI-Expanded)
- XXX. **The effect of pentoxifylline on cerebral vasospasm following experimental subarachnoid hemorrhage**
Bahadır S., Narin F., BAŞAR İ., HANALIOĞLU Ş., BİLGİNER B., AKALAN N.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.131, no.9, pp.909-913, 2021 (SCI-Expanded)
- XXXI. **The Continuing Impact of Coronavirus Disease 2019 on Neurosurgical Training at the 1-Year Mark: Results of a Nationwide Survey of Neurosurgery Residents in Turkey**
Sahin B., HANALIOĞLU Ş.
WORLD NEUROSURGERY, vol.151, 2021 (SCI-Expanded)
- XXXII. **Human-Robot Interfaces of the NeuRoboScope: A Minimally Invasive Endoscopic Pituitary Tumor Surgery Robotic Assistance System**
DEDE M. İ. C., KİPER G., AYAV T., ÖZDEMİREL B., TATLICIOĞLU E., HANALIOĞLU Ş., Isikay I., BERKER M.
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- XXXIII. **Surgical Outcome of Laminoplasty for Cervical Spondylotic Myelopathy: A Single-Institution Experience.**
Türkoğlu M. E., Gülmez A., Elbir Ç., Şahin Ö. S., Hanalioglu Ş., Dinç S., Töngçü Ç., Kalan M.
Turkish journal of medical sciences, vol.51, pp.2887-2896, 2021 (SCI-Expanded)
- XXXIV. **A simple and effective modified technique of twist drill craniostomy for bedside drainage and irrigation of chronic subdural hematoma: Technical and clinical study**
HANALIOĞLU Ş., Bozkurt G., Isikay I., Mammadkhanli O.
CLINICAL NEUROLOGY AND NEUROSURGERY, vol.199, 2020 (SCI-Expanded)
- XXXV. **Prospective Randomized Study on the Effects of Improved Sleep Quality After Craniotomy on Melatonin Concentrations and Inflammatory Response in Neurosurgical Intensive Care Patients**
Arik E., Dolgun H., Hanalioglu Ş., Sahin O. S., Ucar F., Yazicioglu D., Dogan I., Yilmaz E. R.
WORLD NEUROSURGERY, vol.140, 2020 (SCI-Expanded)
- XXXVI. **Transcorticosubcortical Approach for Left Posterior Mediobasal Temporal Region Gliomas: A Case Series and Anatomic Review of Relevant White Matter Tracts**
Brown D. A., Hanalioglu Ş., Chaichana K., Duffau H.
WORLD NEUROSURGERY, vol.139, 2020 (SCI-Expanded)
- XXXVII. **Effect of perioperative aspirin use on hemorrhagic complications in elective craniotomy for brain tumors: results of a single-center, retrospective cohort study**
Hanalioglu Ş., Sahin B., Sahin O. S., Kozan A., Ucer M., Cikla U., Goodman S. L., Baskaya M. K.
JOURNAL OF NEUROSURGERY, vol.132, no.5, pp.1529-1538, 2020 (SCI-Expanded)
- XXXVIII. **Academic performance after neurosurgery residency training in Turkey: a national survey**
Yakar F., Hanalioglu Ş., Sahin B., Egemen E., Dere U. A., Coskun M. E., Kahilogullari G.
NEUROSURGICAL FOCUS, vol.48, no.3, 2020 (SCI-Expanded)
- XXXIX. **Subfascial drainage and clipping technique for treatment of cerebrospinal fluid leak following spinal surgery**
Mammadkhanli O., Elbir C., Hanalioglu Ş., Canbay S.
NEUROSCIENCES, vol.25, no.1, pp.50-54, 2020 (SCI-Expanded)

- XL. Long-Term Outcomes of Pediatric Meningioma Surgery: Single Center Experience with 23 Patients**
Isikay I, HANALIOĞLU Ş., Narin F., Basar I., BİLGİNER B.
TURKISH NEUROSURGERY, vol.30, no.1, pp.124-133, 2020 (SCI-Expanded)
- XLII. The Effect of Training, Used-Hand, and Experience on Endoscopic Surgery Skills in an Educational Computer-Based Simulation Environment (ECE) for Endoneurosurgery Training**
ÇAĞILTAY N., Ozcelik E., Isikay I., HANALIOĞLU Ş., SÜSLÜ A. E., Yucel T., BERKER M.
SURGICAL INNOVATION, vol.26, no.6, pp.725-737, 2019 (SCI-Expanded)
- XLII. A novel, low-cost, reusable, high-fidelity neurosurgical training simulator for cerebrovascular bypass surgery**
Cikla U., Sahin B., Hanalioglu Ş., Ahmed A. S., Niemann D., Baskaya M. K.
JOURNAL OF NEUROSURGERY, vol.130, no.5, pp.1663-1671, 2019 (SCI-Expanded)
- XLIII. Use of computed tomography and diffusion weighted imaging in children with ventricular shunt**
Gunes A., Oncel I. H., Gunes S. O., Birbilen A. Z., Hanalioglu Ş.
CHILDS NERVOUS SYSTEM, vol.35, no.3, pp.477-486, 2019 (SCI-Expanded)
- XLIV. Identification of Risk Factors for Postoperative Cerebrospinal Fluid Leakage and Comparison of Two Alternative Dural Augmentation Techniques in Posterior Fossa and Spinal Surgeries**
Eser M. T., Hanalioglu Ş., Cetiner M. Z., Dinc S., Peker H. O., Sorar M., Dolgun H., Turkoglu E.
TURKISH NEUROSURGERY, vol.29, no.3, pp.377-385, 2019 (SCI-Expanded)
- XLV. Survival Benefit with Gross Total Resection and Adjuvant Radiotherapy in Childhood Atypical Teratoid/Rhabdoid Tumors: Results of a Single-Center Cohort of 27 Cases**
Isikay I., Hanalioglu S., Basar I., Narin F., BİLGİNER B.
TURKISH NEUROSURGERY, vol.29, no.5, pp.689-697, 2019 (SCI-Expanded)
- XLVI. Cervico-medullary compression ratio: A novel radiological parameter correlating with clinical severity in Chiari type 1 malformation**
Doruk E., Ozay R., Sekerci Z., Durmaz H. A., Gunes S. O., Hanalioglu Ş., Sorar M.
CLINICAL NEUROLOGY AND NEUROSURGERY, vol.174, pp.123-128, 2018 (SCI-Expanded)
- XLVII. Radiological and Clinical Comparison of Posterolateral Fusion and Transforaminal Interbody Fusion Techniques in Degenerative Lumbar Stenosis**
Bozkurt G., Isikay I., Hanalioglu S.
WORLD NEUROSURGERY, vol.116, 2018 (SCI-Expanded)
- XLVIII. The Tonsillouvar Fissure Approach: Access to Dorsal and Lateral Aspects of the Fourth Ventricle**
Aydin I., Hanalioglu Ş., Peker H. O., Turan Y., Kina H., Cikla U., Baskaya M. K.
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- XLIX. Revisiting Ligament-Sparing Lumbar Microdiscectomy: When to Preserve Ligamentum Flavum and How to Evaluate Radiological Results for Epidural Fibrosis**
Ozay R., Ogur T., Durmaz H. A., Turkoglu E., Caglar Y. S., Sekerci Z., Sorar M., Hanalioglu Ş.
WORLD NEUROSURGERY, vol.114, 2018 (SCI-Expanded)
- L. Experience Reduces Surgical and Hardware-Related Complications of Deep Brain Stimulation Surgery: A Single-Center Study of 181 Patients Operated in Six Years**
Sorar M., Hanalioglu Ş., Kocer B., Eser M. T., Comoglu S. S., Kertmen H.
PARKINSONS DISEASE, vol.2018, 2018 (SCI-Expanded)
- LI. Does the Volume of CSF Removed Affect the Response to a Tap in Normal Pressure Hydrocephalus?**
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AMERICAN JOURNAL OF NEURORADIOLOGY, vol.39, no.1, 2018 (SCI-Expanded)
- LII. Topiramate as a neuroprotective agent in a rat model of spinal cord injury**
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NEURAL REGENERATION RESEARCH, vol.12, no.12, pp.2071-2076, 2017 (SCI-Expanded)
- LIII. Is the Knowledge Pertaining to Adult Glioblastomas Enough for Pediatric Cases? Prognostic Factors in Childhood**
BİLGİNER B., Hanalioglu S., Turk C. Ç., NARİN F., Oguz K. K., Soylemezoglu F., Akalan N.
TURKISH NEUROSURGERY, vol.27, no.2, pp.279-288, 2017 (SCI-Expanded)

- LIV. **Hemispheric and regional asymmetries of early cortical blood flow changes following subarachnoid haemorrhage in mice: Further support for acute vasoconstriction?**
HİDAYATOV T., HANALIOĞLU Ş., İŞİKAY A. İ., MUT AŞKUN M.
Journal Of Cerebral Blood Flow And Metabolism, vol.37, pp.38, 2017 (SCI-Expanded)
- LV. **Splitting of the Optic Nerve by a Pituitary Macroadenoma**
Hanalioglu S., Isikay I., BERKER M.
WORLD NEUROSURGERY, vol.89, 2016 (SCI-Expanded)
- LVI. **Enigmatic entity in childhood: clival chordoma from a tertiary center's perspective**
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ACTA NEUROCHIRURGICA, vol.157, no.9, pp.1587-1593, 2015 (SCI-Expanded)
- LVII. **Breast cancer and high-grade glioma: link or coincidence?**
HANALIOĞLU Ş., Hasanov E., Altundag K.
JOURNAL OF BUON, vol.20, no.5, pp.1378-1379, 2015 (SCI-Expanded)
- LVIII. **De novo formation of brain tumors in pediatric population following therapeutic cranial irradiation**
BİLGİNER B., Tuerk C. C., NARİN F., Hazer B., Hanalioglu S., OĞUZ K. K., SOYLEMEZOGLU F., Akalan N.
CHILDS NERVOUS SYSTEM, vol.31, no.6, pp.893-899, 2015 (SCI-Expanded)
- LIX. **Bleeding and non-bleeding phenotypes in patients with GGXX gene mutations.**
Watzka M., Geisen C., Scheer M., Wieland R., Wiegner V., Dörner T., Laws H., Gümruk F., Hanalioglu Ş., Unal Ş., et al.
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- LX. **Cavernous malformations of the central nervous system (CNS) in children: clinico-radiological features and management outcomes of 36 cases**
BİLGİNER B., NARİN F., Hanalioglu S., Oguz K. K., Soylemezoglu F., Akalan N.
CHILDS NERVOUS SYSTEM, vol.30, no.8, pp.1355-1366, 2014 (SCI-Expanded)
- LXI. **Virchow-Robin spaces cyst**
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CHILDS NERVOUS SYSTEM, vol.29, no.12, pp.2157-2162, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Revisiting anatomical structures of the superior orbital fissure using with interactive 3D-PDF model**
AKDEMİR AKTAŞ H., HANALIOĞLU Ş., Tunç O., TATAR İ.
Acta Medica, vol.54, no.3, pp.165-171, 2023 (Peer-Reviewed Journal)
- II. **Vessel-wall Imaging for Primary Angiitis of Central Nervous System Diagnosis**
ÖGE D. D., ARSAVA E. M., Karaosmanoglu A. A., Aghamirzayeva K., GÖÇMEN R., KARLI OĞUZ H. K., HANALIOĞLU Ş., ARAT A., KARADAĞ Ö., TOPÇUOĞLU M. A.
TURKISH JOURNAL OF NEUROLOGY, vol.27, no.1, pp.95-97, 2021 (ESCI)
- III. **Modified Inside-outside Occipito-Cervical Plate System: Preliminary Results.**
Caglar S., Turkoglu E., Kertmen H., Gurer B., Bozkurt H., Ozay R., Hanalioglu Ş., Colpan E.
Asian journal of neurosurgery, vol.14, pp.148-153, 2019 (Peer-Reviewed Journal)
- IV. **QT dispersion and acute cerebrovascular accident**
ÖNDER H., HANALIOĞLU Ş.
JOURNAL OF NEUROSCIENCES IN RURAL PRACTICE, vol.7, no.4, pp.612-613, 2016 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Yeni Nesil Dizileme Kullanılarak Serum Ekstraselüler Vezikül Tabanlı Glioblastoma Tümör Belirteçlerinin Tayini: Metodolojik Yaklaşım ve Ön Bulgular**
MUT AŞKUN M., İŞİKAY A. İ., HANALIOĞLU Ş., ÇAKIR AKTAŞ C.
33. Türk Nöroşirürji Derneği Bilimsel Kongresi', Turkey, 11 - 14 April 2019, vol.29, pp.223

- II. **Yeni Nesil Dizileme Kullanılarak Serum Ekstraselüler Vezikül Tabanlı Glioblastoma Tümör Belirteçlerinin Tayini: Metodolojik Yaklaşım ve Ön Bulgular**
MUT AŞKUN M., IŞIKAY A. İ., HANALIOĞLU Ş., ÇAKIR AKTAŞ C.
33. Türk Nöroşirürji Derneği Bilimsel Kongresi', Turkey, 11 - 14 April 2019, vol.29, pp.223
- III. **Yeni Nesil Dizileme Kullanılarak Serum Ekstraselüler Vezikül Tabanlı Glioblastoma Tümör Belirteçlerinin Tayini: Metodolojik Yaklaşım ve Ön Bulgular**
MUT AŞKUN M., IŞIKAY A. İ., HANALIOĞLU Ş., ÇAKIR AKTAŞ C.
33. Türk Nöroşirürji Derneği Bilimsel Kongresi', Turkey, 11 - 14 April 2019, vol.29, pp.223
- IV. **Migren Araştırmaları için yeni bir kortikal yayılan depresyona yatkınlık modeli: Na-K ATPaz A-2 RNA İnterferansı**
TAŞKIRAN SAĞ A., Yılmaz Özcan S., KARATAŞ KURŞUN H., DEMİR B. N., Hanalioğlu Ş., EREN KOÇAK E., DALKARA T.
53. Ulusal Nöroloji Kongresi, Turkey, 25 - 29 November 2017
- V. **Cortical spreading depression can be triggered by photic stimulation in susceptible mouse brain**
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Metrics

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Non Academic Experience

Barrow Neurological Institute

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Harvard University - Brigham and Women's Hospital

University of Montpellier

University of Wisconsin