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Personal Information

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Education Information

Post Doctorate, The University of Wisconsin Madison, School of Medicine, Surgery, United States Of America 2023 - 2024

Post Doctorate, University Of Health Sciences, Ankara Etlik Şehir Hastanesi, Cerrahi Tıp Bilimleri, Turkey 2023 - 2023

Expertise In Medicine, Ataturk University, Tıp Fakültesi, Cerrahi Tıp Bilimleri, Turkey 2015 - 2020

Undergraduate, Ataturk University, Tıp Fakültesi, Turkey 2008 - 2014

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Health&Medicine, Research Fellowship in Skull Base and Cerebrovascular Surgery, University of Wisconsin School of Medicine, 2023

Health&Medicine, NÖROVASKÜLER HASTALIKLARIN TEDAVİSİNDE ENDOVASKÜLER TEDAVİ YÖNTEMLERİ, ETLİK ŞEHİR HASTANESİ, 2023

Dissertations

Expertise In Medicine, Deneysel subaraknoid kanama modelinde asiatic asit'in serebral vazospazm üzerine etkisinin değerlendirilmesi, Ataturk University, Tıp Fakültesi, Cerrahi Tıp Bilimleri, 2020

Research Areas

Medicine, Health Sciences, Surgery Medicine Sciences, Nervous System Surgery

Academic Titles / Tasks

Assistant Professor, Ataturk University, Tıp Fakültesi, Cerrahi Tıp Bilimleri, 2022 - Continues

Research Assistant, Ataturk University, Tıp Fakültesi, Cerrahi Tıp Bilimleri, 2015 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Outcomes of Decompressive Craniectomy in the Management of Traumatic Brain Injury: A Ten-Year Retrospective Analysis.**
Zeynal M., Akyüz M. E.
The Journal of craniofacial surgery, vol.35, pp.478-480, 2024 (SCI-Expanded)
- II. **Overlooked evidence for transmission deficit of pupillary light reflex can be secondary to trigeminal nerve ganglion degeneration following subarachnoid hemorrhage; preliminary experimental study**
ŞAHİN M. H., KANAT A., KARADAĞ M. K., AKYÜZ M. E., KELEŞ O. N., GÜNDOĞDU Ö. L., FINDIK H., AYDIN M. D., Gel M. S., Daltaban I. S.
Neurological Research, vol.46, no.2, pp.178-186, 2024 (SCI-Expanded)
- III. **Comparison of craniotomy and limited membranectomy with conventional techniques in the treatment of chronic subdural hematoma**
Akyüz M. E., Şahin M. H., Karadağ M. K.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.53, no.5, pp.1330-1338, 2023 (SCI-Expanded)
- IV. **Predestinative role acidic cerebrospinal fluid on the destiny of central channel in spinal cord following subarachnoid hemorrhage: an experimental study**
Şahin M. H., Akyüz M. E., Karadağ M. K., Zeynal M., Aydın M. D.
CIRUGIA Y CIRUJANOS, vol.91, no.5, pp.627-632, 2023 (SCI-Expanded)
- V. **Effect of modified clivoaxial angle on surgical decision making and treatment outcomes in patients with Chiari malformation type 1**
AKYÜZ M. E., KARADAĞ M. K., ŞAHİN M. H.
FRONTIERS IN SURGERY, vol.10, 2023 (SCI-Expanded)
- VI. **Supramarginal Gyrus and Angular Gyrus Subcortical Connections: A Microanatomical and Tractographic Study for Neurosurgeons**
Şahin M. H., Akyüz M. E., Karadağ M. K., Yalçın A.
BRAIN SCIENCES, vol.13, no.3, pp.430, 2023 (SCI-Expanded)
- VII. **The role of ONSD in the assessment of headache associated with Chiari malformation type 1**
KARADAĞ M. K., AKYÜZ M. E., ŞAHİN M. H.
Frontiers in Neurology, vol.14, 2023 (SCI-Expanded)
- VIII. **Identification of Radiological and Clinical Factors that Increase the Risk of Chronic Subdural Hematoma Recurrence.**
Akyuz M. E., Kadioğlu H. H.
Turkish neurosurgery, vol.33, no.6, pp.990-995, 2023 (SCI-Expanded)
- IX. **A rare disease: a single-center experience of cerebral alveolar echinococcosis in 12 operated patients**
Zeynal M., Akyüz M. E., Şahin M. H., Alay H., Karadağ M. K., Kadioğlu H. H., Kara C. F., Elveren M.
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, vol.27, no.1, pp.426-430, 2023 (SCI-Expanded)
- X. **Preoperative and postoperative diagnostic efficiency of multi- inflammatory index on pain scoring of degenerated intervertebral disc**
Firidin M. N., Akyuz M. E.
ADVANCES IN CLINICAL AND EXPERIMENTAL MEDICINE, vol.31, pp.947-952, 2022 (SCI-Expanded)
- XI. **Bilateral ultrasound-guided erector spinae plane block for postoperative persistent low back pain in lumbar disc surgery**
Akyuz M. E., Firidin M. N.
EUROPEAN SPINE JOURNAL, vol.31, no.7, pp.1873-1878, 2022 (SCI-Expanded)
- XII. **Evaluation of third ventriculostomy outcome by measuring optic nerve sheath diameter in adult hydrocephalus**
Akyüz M. E., Kadioğlu H. H.
NEUROCIRUGIA, vol.33, no.4, pp.176-181, 2022 (SCI-Expanded)

- XIII. **Aplicación del sistema de neuronavegación en la cirugía del meningioma intracraneal: un análisis retrospectivo de 75 casos** Application of neuronavigation system in intracranial meningioma surgery: a retrospective analysis of 75 cases
AKYÜZ M. E., KADIOĞLU H. H.
Cirugia y cirujanos, vol.90, no.S2, pp.92-97, 2022 (SCI-Expanded)
- XIV. **The Effects of Necrostatin-1 on Cerebral Vasospasm- Induced Subarachnoid Hemorrhage**
ŞAHİN M. H., AKYÜZ M. E., KADIOĞLU H. H.
TURKISH NEUROSURGERY, vol.32, no.6, pp.923-929, 2022 (SCI-Expanded)
- XV. **Evaluation of the Effect of Asiatic Acid on Cerebral Vasospasm An Experimental Study**
Akyuz M. E., Şahin M. H., Kadioğlu H. H.
ANALYTICAL AND QUANTITATIVE CYTOPATHOLOGY AND HISTOPATHOLOGY, vol.43, no.6, pp.633-640, 2021 (SCI-Expanded)
- XVI. **Prophylactic Effects of Honokiol on Spinal Cord in Rats**
Firidin M. N., Akyuz M. E.
ANALYTICAL AND QUANTITATIVE CYTOPATHOLOGY AND HISTOPATHOLOGY, vol.43, no.5, pp.477-483, 2021 (SCI-Expanded)
- XVII. **A New Technique in Surgical Management of the Giant Cerebral Hydatid Cysts**
Aydin M. D., Karaavcı N. Ç., Akyuz M. E., Sahin M. H., Zeynal M., Kanat A., Altınors M.
JOURNAL OF CRANIOFACIAL SURGERY, vol.29, no.3, pp.778-782, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Diagnostic Efficiency of Inflammatory Prognostic Index on Pain Scoring for Degenerated Intervertebral Disc**
Firidin M. N., Akyüz M. E.
Medical records-international medical journal (Online), vol.4, no.3, pp.340-344, 2022 (Peer-Reviewed Journal)
- II. **Adjacent Segment Degeneration Following Spinal Fusion for Degenerative Lumbar Disease: Incidence and Risk Factors**
Akyüz M. E.
Uludağ Üniversitesi Tıp Fakültesi Dergisi, vol.48, no.2, pp.225-229, 2022 (Peer-Reviewed Journal)
- III. **Evaluation of third ventriculostomy outcome by measuring optic nerve sheath diameter in adult hydrocephalus**
Akyüz M. E., Kadioğlu H. H.
Neurocirugia (English Edition), vol.33, no.4, pp.176-181, 2022 (Scopus)
- IV. **Intrauterine subdural hematoma associated with blunt maternal trauma: a case report**
Şahin M. H., Temtek U., Akyüz M. E., Tekgündüz K. Ş., Kara M.
INTERNATIONAL NEUROLOGICAL JOURNAL, vol.17, no.5, pp.67-70, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **VİRAL ENFEKSİYONLAR**
YALÇIN A., ALBAYRAK A., KARA C., AKYÜZ M. E., KADIOĞLU H. H., ALAY H., KARADAĞ M. K., ZEYNAL M., ELVEREN M., AKTAŞ O.
in: MERKEZİ SİNİR SİSTEMİNİN ENFEKSİYÖZ HASTALIKLARI, HAKAN HADİ KADIOĞLU, Editor, ATATÜRK ÜNİVERSİTESİ YAYINLARI, Erzurum, pp.205-274, 2023
- II. **Piyojenik Enfeksiyonlar**
AKYÜZ M. E., KADIOĞLU H. H.
in: Merkezi Sinir Sisteminin Enfeksiyöz Hastalıkları, Hakan Hadi Kadioğlu, Editor, Atatürk Üniversitesi Yayınları, pp.89-106, 2023

III. SERVİKAL DİSK HERNİSİ

AKYÜZ M. E.

in: NÖROBİLİM ALANINDA MULTİDİSİPLİNER YAKLAŞIMLAR, Dr. Öğr. Üyesi Fatih TAŞ, Editor, İKSAD YAYINEVİ, Ankara, pp.221-234, 2021

IV. Nörofizyoloji

AKYÜZ M. E.

in: Nöroşirurji Ders Kitabı, Hakan Hadi KADIOĞLU, Editor, ATATÜRK ÜNİVERSİTESİ YAYINEVİ, Erzurum, pp.39-49, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Ventricular Tap-Parenchymal Damage Relationship: Anatomical and Radiological Study**
AKYÜZ M. E., ŞAHİN M. H., KARA C. F., ELVEREN M., ZEYNAL M., KADIOĞLU H. H.
3. International Rhoton Society Meeting, İstanbul, Turkey, 22 - 24 August 2023, pp.315
- II. **Retrosigmoid Supracerebellar Infratentorial Approach to Mediobasal Temporal Region Anatomy: A Cadaver Study**
Şahin M. H., Akyüz M. E., Elveren M., Kara C. F., Karadağ M. K., Kadioğlu H. H.
3rd International Rhoton Society Meeting, İstanbul, Turkey, 22 - 26 October 2023, pp.288-294
- III. **KAFA TRAVMALI HASTALARIN TAKIBİNDE OPTİK SINIR KILIFI ÇAPININ KLİNİK SONUÇ İLE KORELASYONUN İNCELENMESİ**
Şahin M. H., Elveren M., Akyüz M. E.
TND 35. Bilimsel Kongresi, Antalya, Turkey, 24 - 27 November 2022, vol.32, no.93, pp.123-124
- IV. **Devastating neurological event associated with pregnancy; Stroke**
AKYÜZ M. E.
INTERNATIONAL NEUROLOGICAL EMERGENCY SYMPOSIUM, Turkey, 07 December 2021, pp.161
- V. **VENTRİKÜLOMEGALİSİ OLMAYAN SUPRASELLAR ARAKNOİD KİSTİN NÖRONAVİGASYON REHBERLİĞİNDE ENDOSKOPIK TEDAVİSİ**
AKYÜZ M. E.
17. Sinir Sistemi Cerrahisi Kongresi, Turkey, 11 November 2021, pp.60
- VI. **TORAKOLOMBER KOMPRESYON FRAKTÜRLERİNDE BALON KİFOPLASTİ UYGULAMASININ AĞRI KONTROLÜ ÜZERİNE ETKİSİ**
AKYÜZ M. E.
Türk Nöroşirürji Derneği 34. Bilimsel Kongresi, Turkey, 30 September 2021, vol.31, pp.111
- VII. **Servikal bölgeye anterior yaklaşım sonrası oluşan özefagus yaralanması ve özefagokutanöz fistül**
ÇAKIR M., KARAAVCI N. Ç., ÇAĞLAROĞLU Y., AKYÜZ M. E.
Spinal Cerrahide Komplikasyonlar Sempozyumu, Turkey, 26 - 29 September 2018
- VIII. **Air/Water Filled Ballon Inserion To Cyst Cavity To Prevent Brain Cortex Depression Following Hydatid Cyst Operation: A Technical Report With Two Cases Presentations**
AYDIN M. D., KARAAVCI N. Ç., KARAAVCI N. Ç., ŞAHİN M. H., ZEYNAL M., KARADAĞ M. K., DÜLGER S., ÇAĞLAROĞLU Y.
Türk Nöroşirürji Derneği, 31. Bilimsel Kongresi, Antalya, Turkey, 29 March - 02 April 2017, pp.283
- IX. **Spinal Epidural Lipomatosiz**
AKYÜZ M. E., ÇAKIR M., ÇAĞLAROĞLU Y.
Türk Nöroşirürji Derneği 31. Bilimsel Kongresi, Turkey, 29 March 2017
- X. **Tek Seviye Dispektomi Sonrası Epidural Hematoma Bağlı Kauda Ekuina Sendromu**
KARADAĞ M. K., AKYÜZ M. E., ÇAKIR M., KARAAVCI N. Ç., DÜLGER S.
Türk Nöroşirürji Derneği, 30. Bilimsel Kongresi, Antalya, Turkey, 8 - 12 April 2016, pp.347
- XI. **Predictive Role of Renal Artery Vasospasm on Anuria in Subarachnoid Hemorrhage: Experimental Study**
AYDIN M. D., KARAAVCI N. Ç., ŞAHİN M. H., ZEYNAL M., KARADAĞ M. K., AKYÜZ M. E., ÇALIK M.

Türk Nöroşirürji Derneği 30. Bilimsel Kongresi, Antalya, Turkey, 08 April 2016, vol.26, pp.62

XII. Travmatik Şiddetli Torakal Dislokasyon, Fraktür ve Tam Kat Kord Kesisi

KARAAVCI N. Ç., ÇAKIR M., AKYÜZ M. E., ŞAHİN M. H.

Türk Nöroşirürji Derneği, 30. Bilimsel Kongresi, Antalya, Turkey, 8 - 12 April 2016, pp.349

XIII. Air Filled Ballon Inerion inCyst Cavity To Prevent Brain Collapse After Hydatid Cyst Operation: A Simple, Cheap, Easy Usable and Reliable Surgical Technic

KARAAVCI N. Ç., AKYÜZ M. E., ŞAHİN M. H., AYDIN M. D., OĞUL H.

Türk Nöroşirürji Derneği, 30. Bilimsel Kongresi, Antalya, Turkey, 8 - 12 April 2016, pp.244

XIV. BOS yoluyla hızlı yayılım undiferansiye embriyonel karsinom

AKYÜZ M. E., ÇAKIR M., ÇAĞLAROĞLU Y.

Türk Nöroşirürji Derneği 30. Bilimsel Kongresi, Turkey, 08 April 2016

XV. Chiari Malformasyonu Operasyonu Sonrası Cerrahi PİCA Hasarı Olmaksızın Gelişen Serebellar Enfarkt

ÇAĞLAROĞLU Y., ÇAKIR M., AKYÜZ M. E., KARADAĞ M. K.

Türk Nöroşirürji Derneği 30. Bilimsel Kongresi, Turkey, 08 April 2016

Supported Projects

Ahıskaloğlu A., Zeynal M., Şahin M. H., Akyüz M. E., Karadağ M. K., Project Supported by Higher Education Institutions, Stereotaktik Çerçeve Kullanarak Derin Serebral Hematomların Boşaltılması Derin Serebral Lezyonlardan Biyopsi Alınması ve Fonksiyonel Nöroşirürjikal İşlemlere Etkisinin Araştırılması, 2023 - 2024

Scientific Refereeing

CEREBRAL CORTEX, SCI Journal, September 2023

NEUROSURGICAL REVIEW, SCI Journal, August 2022

WORLD NEUROSURGERY, SCI Journal, July 2022

SCIENTIFIC REPORTS, SCI Journal, February 2022

Metrics

Publication: 41

Citation (WoS): 26

Citation (Scopus): 38

H-Index (WoS): 3

H-Index (Scopus): 4

Congress and Symposium Activities

International Basic Neurosurgery Course (IBNC) Term II, Course IV, "Neurovascular Surgery", Attendee, Antalya, Turkey, 2019

NOVA 2018 sempozyomu, ORTA HAT VE VENTRİKÜL İÇİ YERLEŞİMLİ LEZYONLAR, Attendee, İstanbul, Turkey, 2018

Non Academic Experience

Other Public Institution, Erzurum Bölge Eğitim Ve Araştırma Hastanesi