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Eğitim Bilgileri

Tıpta Uzmanlık, Atatürk Üniversitesi, Tıp Fakültesi, Beyin Cerrahisi Anabilim Dalı, Türkiye 1991 - 1996

Yabancı Diller

İngilizce, B2 Orta Üstü

Sertifika, Kurs ve Eğitimler

Sağlık ve Tıp, Emory University Neuroscience Lab, Emory University Aatlanta ABD, 2011

Sağlık ve Tıp, Maastricht University, Neuroscience, 2008

Yaptığı Tezler

Tıpta Uzmanlık, Mide Kanserleri Vagal Sinir İlişkileri, Atatürk Üniversitesi, Tıp Fakültesi, Beyin Cerrahisi Anabilim Dalı, 2017

Tıpta Uzmanlık, BCCAL nun PCOMA ya etkisi, Sağlık Bilimleri Üniversitesi, Bakırköy Hastanesi, Beyin Cerrahisi, 2006

Araştırma Alanları

Tıp, Sağlık Bilimleri, Temel Tıp Bilimleri, Anatomi, Biyofizik, Histoloji-Embriyoloji, Cerrahi Tıp Bilimleri, Sinir Sistemi Cerrahisi, Fizik, Elektromanyetizma, Akustik, Isı Transferi, Klasik Mekanik ve Akışkanlar Dinamiği, Akustik, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Atatürk Üniversitesi, Tıp Fakültesi, Cerrahi Tıp Bilimleri, 2011 - Devam Ediyor

Akademik İdari Deneyim

Atatürk Üniversitesi, 2017 - 2017

Verdiği Dersler

Kafa travmaları , Tıpta Uzmanlık, 2023 - 2024
Posterior dolaşım anevrizmaları , Tıpta Uzmanlık, 2023 - 2024
Glial tümörler , Tıpta Uzmanlık, 2023 - 2024
Spinal tümörler , Tıpta Uzmanlık, 2023 - 2024
Metastatik tümörler , Tıpta Uzmanlık, 2023 - 2024
Kraniyal cerrahi anatomi , Tıpta Uzmanlık, 2023 - 2024

Yönetilen Tezler

AYDIN M. D., Vagal sinir Mide kanseri ilişkileri, Tıpta Uzmanlık, S.Kara(Öğrenci), 2017
AYDIN M. D., BCCAL'nin PComA'ya Etkisi, Tıpta Uzmanlık, M.KARALAR(Öğrenci), 2006

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Important Finding for COVID-19 Pandemic; Hydrocephalus producing effect of Vaporised Alcohol Disinfectant**
KANAT A., AYDIN M. D., Sahin B., Daltaban I. S., Gel M. S., GÜVERCİN A. R., DEMİRTAŞ R.
Journal of Neurological Surgery, Part A: Central European Neurosurgery, cilt.85, sa.4, ss.355-360, 2024 (SCI-Expanded)
- II. **Interaction between Neurogenic Pulmonary Edema and Thoracic 3 DRG Degeneration Following Spinal Subarachnoid Hemorrhage: First Experimental Study**
Sirinoglu D., Sarigul B., KANAT A., AYDIN M. D., DEMİRTAŞ R.
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- III. **New experimental finding of dangerous autonomic ganglia changes in cardiac injury following subarachnoid hemorrhage; a reciprocal culprit-victim relationship between the brain and heart**
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INTERNATIONAL JOURNAL OF NEUROSCIENCE, cilt.134, sa.2, ss.91-102, 2024 (SCI-Expanded)
- IV. **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.
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- V. **Protective Felix Culpa Effect of Superior Sympathetic Cervical Ganglion Degenerations on Prevention of Basilar Artery Spasm After Subarachnoid Hemorrhage: A Preliminary Experimental Study**
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- VI. **Predictive role of trigeminal ganglion ischemia on scalp survival affected by temporal artery diameters: The first experimental study**
OLĞUN A., Sirinoglu D., Karadag M. K., KAYA Z., MUTLU V., KOÇAK M. N., DEMİRTAŞ R., AYDIN M. D.
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- VII. **Assessment relationship between the femoral artery vasospasm and dorsal root ganglion cell degeneration in spinal subarachnoid hemorrhage: an experimental study**
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- VIII. **New Evidence for Regulatory Role of Trigeminal Ganglion on the Intraocular Pressure Following Subarachnoid Hemorrhage**
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- IX. **Important interaction between urethral taste bud-like structures and Onuf's nucleus following spinal subarachnoid hemorrhage: A hypothesis for the mechanism of dysorgasmia**
Caglar O., Aydin M. D., Aydin N., Ahiskalioglu A., Kanat A., Aslan R., Onder A.
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- X. **Dry Mouth Caused by Facial Nerve Ischemia due to Subarachnoid Hemorrhage: An Experimental Study**
PAŞAHAN R., Yardim A., KARADAĞ M. K., Alpaslan A., AYDIN M. D.
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- XI. **Burned spinal cord in acidotic cerebrospinal fluid during subarachnoid hemorrhage: Experimental study**
Kocak M. N., MALÇOK Ü. A., Sahin M. H., KARAACI N. Ç., ÇELİK M., DEMİRTAŞ R., Aydin M. D.
CIRUGIA Y CIRUJANOS, cilt.89, sa.5, ss.583-587, 2021 (SCI-Expanded)
- XII. **First histopathological bridging of the distance between Onuf & apos;s nucleus and substantia nigra after olfactory bulbectomy-new ideas about the urinary dysfunction in cerebral neurodegenerative disease: an experimental study**
KANAT A., AYDIN M. D., AKÇA N., ÖZMEN S.
LUTS-LOWER URINARY TRACT SYMPTOMS, cilt.13, sa.3, ss.383-389, 2021 (SCI-Expanded)
- XIII. **First emerging evidence of the relationship between Onuf's nucleus degeneration and reduced sperm number following spinal subarachnoid haemorrhage: Experimental study**
Çağlar Ö., Fırıncı B., Aydın M. E., Arslan R., Kanat A., Demirci T., Aydın M. D., Karadeniz E., Yiğiter M., Akça N.
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- XIV. **A new experimental evidence that olfactory bulb lesion may be a causative factor for substantia nigra degeneration; preliminary study**
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- XV. **New description of vagal nerve commanted intrapancreatic taste buds and blood glucose level: An experimental analysis**
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- XVI. **Estimating basilar artery upper rupture limit by dangerous alarming diameter of arteries (DADA) following bilateral common carotid artery ligation; a new theorem**
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- XVII. **Stellate ganglion ischemia on the prevention of pulmonary vasospasm during bilateral carotid artery ligation: The first experimental study**
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- XVIII. **Thoracic sympathetic nuclei ischemia: Effects on lower heart rates following experimentally induced spinal subarachnoid hemorrhage**
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- XIX. **A Rare Neurologic Disease that Mimics Cranial Hydatid Cyst: Leukoencephalopathy, Cerebral Calcifications, and Cysts**
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- XX. **Toward the First Definition of Taste Rosea in Female Breasts: Histological Analysis**
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- XXI. **First definition of burned choroid plexus in acidic cerebrospinal fluid-filled brain ventricles during**

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- XXII. **New Histopathologic Evidence for the Parasympathetic Innervation of the Kidney and the Mechanism of Hypertension Following Subarachnoid Hemorrhage**
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- XXIII. **The Role of Cardiac Ganglia in the Prevention of Coronary Atherosclerosis: An Analytical Examination of Cholesterol-fed Rabbits**
KOZA Y., AYDIN M. D., BAYRAM E., ŞİPAL S., Altas E., Soyaloğlu C., Koza E. A.
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- XXIV. **Predestinating Role of Cardiac Ganglia on Heart Life Expectancy in Rabbits After Brain Death Following Subarachnoid Hemorrhage: An Experimental Study**
Aydın M. E., Acikel M., Aydın N., Aydın M. D., Ahiskalioglu A., Atalay C., Ahiskalioglu E., Erdogan F., Sipal S.
TRANSPLANTATION PROCEEDINGS, cilt.52, sa.1, ss.61-66, 2020 (SCI-Expanded)
- XXV. **Olfactory bulbectomy and raphe nucleus relationship: a new vision for well-known depression model.**
OZCAN H., AYDIN N., Aydın M. D., ORAL E., GUNDOĞDU C., SIPAL S., HALICI Z.
Nordic journal of psychiatry, ss.1-7, 2019 (SCI-Expanded)
- XXVI. **Describing a New Mechanism of Retinal Detachment Secondary to Ophthalmic Artery Vasospasm Following Subarachnoid Hemorrhage: An Experimental Study**
Findik H., Kanat A., AYDIN M. D., ÇAKIR M., Ozmen S. A., Okutucu M., BAYKAL O., ŞİPAL S.
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- XXVII. **Exploring of the Unpredicted Effects of Olfactory Network Injuries on Mammary Gland Degeneration: A Preliminary Experimental Study.**
KARADENİZ E., KOCAK M., AHISKALIOĞLU A., NALCI K. A., OZMEN S., AKÇAY M., AYDIN N., Aydın M. D., HACIMUFTUOĞLU A.
Journal of investigative surgery : the official journal of the Academy of Surgical Research, cilt.32, ss.624-631, 2019 (SCI-Expanded)
- XXVIII. **Disruption of the network between Onuf's nucleus and myenteric ganglia, and developing Hirschsprung-like disease following spinal subarachnoid haemorrhage: an experimental study.**
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- XXIX. **Effect of Vasa Vasorum on Basilar Artery Vasospasm Following Subarachnoid Hemorrhage.**
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- XXX. **Relationship between subarachnoid and central canal hemorrhage and spasticity: A first experimental study.**
KAYACI S., Aydın M. D., OZONER B., ÇAKIR T., BAS O., SIPAL S.
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- XXXI. **Water-Filled Vesicles of Choroid Plexus Tumors.**
AYDIN M. D., Kanat A., Karaavci N. C., Sahin H., Ozmen S.
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- XXXII. **Neurogenic Stress Cardiomyopathy Following Subarachnoid Hemorrhage Is Associated with Vagal Complex Degeneration: First Experimental Study.**
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- XXXIII. **Toward understanding the causes of blood pH irregularities and the roles of newly described binuclear neurons of carotid bodies on blood pH regulation during subarachnoid hemorrhage: Experimental study.**

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- XXXIV. **The casual association of cervical spinal cord ischemia and axonal degeneration in second motor neuron following subarachnoid hemorrhage: Experimental study.**
KILIC M., KILIC B., Dumlu A., YILMAZ I., YILMAZ A., YILMAZ F., KURT A., Nuri K.
Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia, cilt.66, ss.235-238, 2019 (SCI-Expanded)
- XXXV. **First emerging objective experimental evidence of hearing impairment following subarachnoid haemorrhage; Felix culpa, phonophobia, and elucidation of the role of trigeminal ganglion.**
CELIK M., KANAT A., Aydın M. D., OZDEMIR D., AYDIN N., YOLAS C., CALIK M., PEKER H.
The International journal of neuroscience, cilt.129, ss.794-800, 2019 (SCI-Expanded)
- XXXVI. **Predeterminative role of Onuf's nucleus ischemia on mesenteric artery vasospasm in spinal subarachnoid hemorrhage: A preliminary experimental study**
KARADENİZ E., ÇAĞLAR Ö., FIRINCI B., AHISKALIOĞLU A., AYDIN M. D., KOÇAK M. N., TAGHIZADEHGHALEHJOUGHİ A., YİĞİTER M., ŞİPAL S., GÜNDOĞDU B.
ASIAN JOURNAL OF SURGERY, cilt.42, sa.8, ss.797-804, 2019 (SCI-Expanded)
- XXXVII. **Brachial Artery Vasospasm Caused by Cervical Dorsal Root Ganglion Degeneration After Subarachnoid Hemorrhage: An Experimental Study.**
KAYACI S., ÇAKIR T., Aydın M. D., KANAT A., OMEROGU M. A., LEVENT A., KANTARCI A., DIYARBAKIRLI S., DEMİRCİ E.
World neurosurgery, cilt.126, 2019 (SCI-Expanded)
- XXXVIII. **A New Neuropathologic Mechanism of Blood pH Irregularities After Neck Trauma: Importance of Carotid Body-Glossopharyngeal Nerve Network Degeneration.**
ÇAKIR T., KAYACI S., Aydın M. D., OZONER B., ÇALIK İ., ALTINKAYNAK K.
World neurosurgery, cilt.125, 2019 (SCI-Expanded)
- XXXIX. **Paradoxic Relations between Basilar Artery Reconfiguration and Superior Cervical Ganglia Ischemia After Bilateral Common Carotid Artery Ligation.**
KILIC M., KILIC B., Aydın M. D., KANAT A., YILMAZ I., ESEGLU M., GUNDOGDU B.
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- XL. **Mysterious effects of olfactory pathway lesions on intestinal immunodeficiency targeting Peyer's patches: The first experimental study**
FIRINCI B., ÇAĞLAR Ö., KARADENİZ E., AHISKALIOĞLU A., DEMİRCİ T., DURLU AYDIN M. D.
MEDICAL HYPOTHESES, cilt.125, ss.31-36, 2019 (SCI-Expanded)
- XLI. **Predictive Role of the Cervical Sympathetic Trunk Ischemia on Lower Heart Rates in an Experimentally Induced Stenoocclusive Carotid Artery Model by Bilateral Common Carotid Artery Ligation**
KOZA Y., BAYRAM E., AYDIN M. D., ATALAY C., ÖNEN M. R., Ozturk C., ŞİPAL S., DEMİRCİ E., LEVENT A.
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- XLII. **Spinal Subarachnoid Hemorrhage Induced Intractable Miotic Pupil. A Reminder of Ciliospinal Sympathetic Center Ischemia Based Miosis: An Experimental Study.**
Aydın M. D., KANAT A., YOLAS C., SOYALP C., ONEN M., YILMAZ I., KARAAVCI N. Ç., CALIK M., BAYKAL O., RAMAZANOGLU L.
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- XLIII. **New determinants for casual peripheral mechanism of neurogenic lung edema in subarachnoid hemorrhage due to ischemic degeneration of vagal nerve, kidney and lung circuitry. Experimental study**
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- XLIV. **Understanding of Dry Eye in Subarachnoid Hemorrhage: An Experimental Study on the Role of Facial Nerve Ischemia.**

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- XLV. **A new described mechanisms of intestinal glandular atrophy induced by vagal nerve/Auerbach network degeneration following subarachnoid hemorrhage: The first experimental study**
Cakir M., AHISKALIOĞLU A., KARADENİZ E., AYDIN M. D., MALÇOK Ü. A., Soyalp C., ÇALIKOĞLU Ç., ŞENGÜL G., ŞİPAL S., Yayik A. M.
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- XLVI. **Unpublished Neuropathologic Mechanism Behind the Muscle Weakness/Paralysis and Gait Disturbances Induced by Sciatic Nerve Degeneration After Spinal Subarachnoid Hemorrhage: An Experimental Study.**
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- XLVII. **The sooth beneath the taste roseas in the urethra and first description of neuro-morpho-chemical mechanism of penile erectile posture in males: an experimental study.**
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- XLVIII. **Reconsideration of Neurogenic Pulmonary Edema as Source of Metastatic Cerebral Abscess Following Subarachnoid Hemorrhages: A Preliminary Study.**
GÖKYAR A., Aydın M. D., OZMEN S., DEMIRCI E., MARANGOZ A., KURUOĞLU E., ÇOKLUK C.
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- XLIX. **How Reliable Is Pupillary Evaluation Following Subarachnoid Hemorrhage? Effect of Oculomotor Nerve Degeneration Secondary to Posterior Communicating Artery Vasospasm: First Experimental Study.**
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- L. **A New Technique in Surgical Management of the Giant Cerebral Hydatid Cysts**
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- LI. **Uncovering the Forgotten Effect of Superior Cervical Ganglia on Pupil Diameter in Subarachnoid Hemorrhage: an Experimental Study**
Onen M. R., Yilmaz I., Ramazanoglu L., AYDIN M. D., KELEŞ S., BAYKAL O., Aydın N., GÜNDOĞDU C.
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- LII. **Rationalization of the Irrational Neuropathologic Basis of Hypothyroidism-Olfaction Disorders Paradox: Experimental Study.**
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- LIII. **New Evidence for Causal Central Mechanism of Hyperglycemia in Subarachnoid Hemorrhage Secondary to Ischemic Degenerative Disruption of Circuitry Among Insular Cortex, Nodose Ganglion, and Pancreas: Experimental Study.**
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- LIV. **A New Determinant of Poor Outcome After Spontaneous Subarachnoid Hemorrhage: Blood pH and the Disruption of Glossopharyngeal Nerve-Carotid Body Network: First Experimental Study.**
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- LV. **Coronary fat embolism following subarachnoid hemorrhage: an experimental study**
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- LVI. **Inverse Association Between Basilar Artery Volume and Neuron Density in the Stellate Ganglion**

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- LVII. **Effect of stellate ganglion ischaemia on vertebral artery remodelling after bilateral common carotid artery ligation: an experimental study**
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- LVIII. **Predictive Role of External Carotid Artery Vasospasm on Cerebral Ischemia After Subarachnoid Hemorrhage: Experimental Study.**
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- LIX. **An experimental study of the neurophysical mechanisms of photophobia induced by subarachnoid hemorrhage.**
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- LX. **Rational Roots of Sympathetic Overactivity by Neurogenic Pulmonary Edema Modeling Arising from Sympathico-Vagal Imbalance in Subarachnoid Hemorrhage: An Experimental Study.**
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