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Kişisel Bilgiler

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Araştırma Alanları

Tıp, Sağlık Bilimleri, Cerrahi Tıp Bilimleri, Sinir Sistemi Cerrahisi

Akademik Unvanlar / Görevler

Doç.Dr., Recep Tayyip Erdoğan Üniversitesi, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, 2018 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **First Report of Validation of the Prognostic Nutritional Index in Patients with Subarachnoid Hemorrhage Undergoing Endovascular Occlusion or Surgical Clipping.**
Gel M., Daltaban I. S., Taser Kanat N., Kanat A.
The International journal of neuroscience, ss.1-9, 2024 (SCI-Expanded)
- II. **Changes in retinal nerve fiber layer thickness may be the cause of post-COVID-19 headaches.**
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- III. **New Evidence for Regulatory Role of Trigeminal Ganglion on the Intraocular Pressure Following Subarachnoid Hemorrhage**
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- IV. **New experimental finding of dangerous autonomic ganglia changes in cardiac injury following subarachnoid hemorrhage; a reciprocal culprit-victim relationship between the brain and heart**
AYDIN M. D., KANAT A., Sahin B., ŞAHİN M. H., ERGENE Ş., DEMİRTAŞ R.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, cilt.134, sa.2, ss.91-102, 2024 (SCI-Expanded)
- V. **Interaction between Neurogenic Pulmonary Edema and Thoracic 3 DRG Degeneration Following Spinal Subarachnoid Hemorrhage; First Experimental Study.**
Sirinoglu D., Sarıgül B., Kanat A., Aydın M. D., Demirtas R.
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- VI. **Overlooked evidence for transmission deficit of pupillary light reflex can be secondary to trigeminal nerve ganglion degeneration following subarachnoid hemorrhage; preliminary experimental study.**

Sahin M. H., Kanat A., Karadag M. K., Akyuz M. E., Keles O. N., Gundogdu O. L., Findik H., Aydin M. D., Gel M. S., Daltaban I. S.

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- VII. **Could the Cerebral Involvement of COVID-19 Disease be Related to Microstructural Changes that are not Reflected in Conventional MRI Images?**

Celiker F., Kanat A., Turan A., Beyazal M., Burakgazi G., Hursoy N., Gundogdu H., Polat H. B.

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- VIII. **The Enigma of Basilar Artery Dissections Secondary to Vasospasm following Subarachnoid Hemorrhage; Exploration of the Unknown Effect of Superior Cervical Ganglia: A Preliminary Experimental Study.**

Zeynal M., Sahin M. H., Kanat A., Karadag M. K., Sipal S. A., Ergene S., Aydin M. D.

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- IX. **From Nose to Lumbar Spinal Cord - Reduced Sperm Numbers Occur by Olfactory Bulbectomy-Related Onuf's Nucleus Degeneration: New Experimental Evidence for Kallmann Syndrome.**

Yolas C., Kanat A., Zeynal M., Hakan Sahin M., Kursat Karadag M., Nuri Keles O., Akca N., Dil E., Dumlu Aydin M., Lutfi Gundogdu O.

Neuroendocrinology, cilt.113, sa.10, ss.1051-1058, 2023 (SCI-Expanded)

- X. **Interesting negative correlation between transorbital optic nerve sheath diameter and Evans' index values; can it be predictive for failure of endoscopic third ventriculostomy?**

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- XI. **Deposition and characterization of the Ag nanoparticles on absorbable surgical sutures at the cryogenic temperatures**

Altuntas M., Beris F. S., Nevruzoglu V., Karan Y., Kanat A., Tomakin M.

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- XII. **Biomechanical analysis of odontoid and transverse atlantal ligament in humans with ponticulus posticus variation under different loading conditions: Finite element study.**

Güvercin Y., Yaylacı M., Dizdar A., Kanat A., Uzun Yaylacı E., Ay S., Abdioglu A. A., Şen A.

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- XIII. **Does the anesthesia technique of cesarean section cause persistent low back pain after delivery? A retrospective analysis**

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EUROPEAN SPINE JOURNAL, cilt.31, sa.12, ss.3640-3646, 2022 (SCI-Expanded)

- XIV. **Important Finding for COVID-19 Pandemic; Hydrocephalus producing effect of Vaporised Alcohol Disinfectant.**

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- XV. **The relationship between mean platelet volume and the mortality of patient severe head trauma; first study**

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- XVI. **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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- XVII. **How does the side of lumbar disc herniation influence the psoas muscle size at the L4-5 level in patients operated for unilateral hip arthroplasty?**

Guvercin Y., KANAT A., GÜNDOĞDU H., Abdioglu A. A., GÜVERCİN A. R., BALIK M. S.

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- XVIII. **Comment on Bunmaprasert et al. Reducible Nonunited Type II Odontoid Fracture with Atlantoaxial Instability: Outcomes of Two Different Fixation Techniques. Int. J. Environ. Res. Public Health 2021,**

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- XIX. **Letter to the Editor Regarding "Kissing Aneurysms: Radiological and Surgical Difficulties in 30 Operated Cases and a Proposed Classification".**
Kanat A., Turgut M., de Divitiis O.
World neurosurgery, cilt.160, ss.120-121, 2022 (SCI-Expanded)
- XX. **Introducing a new possible predisposing risk factor for odontoid type 2 fractures after cervical trauma; Ponticulus posticus anomaly of C1 vertebra**
Ozdemir B., Kanat A., Durmaz S., Ersegun Batcik O., Gundogdu H.
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- XXI. **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., AHISKALIOĞLU A., KANAT A., Aslan R., ÖNDER A.
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- XXII. **Asymmetric Cross Sectional Area Size of the Psoas Muscle Seems to be a Key Feature in Patients with L4-5 Lumbar Disc Herniations**
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- XXIII. **Some Interesting Points of Competition of X-Ray using during the Greco-Ottoman War in 1897 and Development of Neurosurgical Radiology: A Reminiscence**
Kanat A., Tsianaka E., Gasenzer E. R., Drosos E.
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- XXIV. **Important interaction between urethral taste bud-like structures and Onuf's nucleus following spinal subarachnoid hemorrhage: A hypothesis for the mechanism of dysorgasmia Interacción importante entre las estruclas de tipo papila gustativa de la uretra y el núcleo de Onuf tras hemorragia subaracnoidea espinal: una hipótesis para el mecanismo de la disorgasmia**
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- XXV. **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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- XXVI. **The Influence of Music on Neurosurgical Cases: A Neglected Knowledge.**
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- XXVII. **Letter to the Editor Regarding "Aneurysmal Subarachnoid Hemorrhage in COVID-19 Patients: A Case Series".**
Kanat A.
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- XXVIII. **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., Akca N., Ozmen S.
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- XXIX. **First emerging evidence of the relationship between Onuf's nucleus degeneration and reduced sperm number following spinal subarachnoid haemorrhage: Experimental study**
Caglar O., Firinci B., Aydin M. E., Arslan R., Kanat A., Demirci T., Aydın M. D., Karadeniz E., Yigiter M., Akca N.
ANDROLOGIA, cilt.53, sa.5, 2021 (SCI-Expanded)
- XXX. **COVID-19 infection produces subarachnoid hemorrhage; acting now to understand its cause: A short**

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- XXXI. **A new experimental evidence that olfactory bulb lesion may be a causative factor for substantia nigra degeneration; preliminary study**

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- XXXII. **Recrudescence of the syringomyelia after surgery of Chiari malformation type 1 with duraplasty**
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- XXXIII. **Letter to the Editor Regarding the Manuscript of "The Longest Angiographic and Clinical Follow-Up of Microsurgically Treated Giant Intracranial Aneurysms: Experience with 70 Cases"**

KANAT A., Turgut M., de Divitiis O.

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- XXXIV. **Important aspect of hypoglossal nerve injury following gunshot wound; Can the clivus has a role? A case report**

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- XXXV. **Interesting different survival status of musicians with malignant cerebral tumors.**

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- XXXVI. **New Histopathologic Evidence for the Parasympathetic Innervation of the Kidney and the Mechanism of Hypertension Following Subarachnoid Hemorrhage**

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- XXXVII. **Controversy about the protective role of volume in the frontal sinus after severe head trauma: larger sinus equates with higher risk of death**

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- XXXVIII. **What Are We Missing From Asymmetric Relationship Between the Retinal Nerve Fiber Layer Thickness Profiles and Sphenoid Sinus Volume?**

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- XXXIX. **Rationalization of Using the MR Diffusion Imaging in B12 Deficiency**

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- XL. **A different aspect of the unexpected death of Mozart at the age of 35 years**

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- XLI. **Describing a New Mechanism of Retinal Detachment Secondary to Ophthalmic Artery Vasospasm Following Subarachnoid Hemorrhage: An Experimental Study**

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- XLII. **What Are We Missing From Asymmetric Relationship Between the Retinal Nerve Fiber Layer Thickness Profiles and Sphenoid Sinus Volume?**

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- XLIII. **The Effect of Neuroscientists on the Studies of Autonomic Nervous System Dysfunction Following**

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- XLIV. **In Reply to Letter to the Editor Regarding "Transorbital Ultrasonographic Measurement of Optic Nerve Sheath Diameter for Intracranial Midline Shift in Patients with Head Trauma"**

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- XLV. **Water-Filled Vesicles of Choroid Plexus Tumors**

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- XLVI. **What Are We Missing From Asymmetric Relationship Between the Retinal Nerve Fiber Layer Thickness Profiles and Sphenoid Sinus Volume?**

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- XLVII. **First emerging objective experimental evidence of hearing impairment following subarachnoid haemorrhage; Felix culpa, phonophobia, and elucidation of the role of trigeminal ganglion**

CELİKER M., Kanat A., AYDIN M. D., OZDEMİR D., AYDIN N., yolaş C., Calik M., PEKER H. O.

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- XLVIII. **Our Final Response Concerning the Article Entitled "Aneurysm Clip Compression Technique in the Surgery of Aneurysms with Hard/Calcified Neck"**

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- XLIX. **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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- L. **Brachial Artery Vasospasm Caused by Cervical Dorsal Root Ganglion Degeneration After Subarachnoid Hemorrhage: An Experimental Study**

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- LI. **Rationalization of Using the MR Diffusion Imaging in B12 Deficiency**

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- LII. **Paradoxic Relations between Basilar Artery Reconfiguration and Superior Cervical Ganglia Ischemia After Bilateral Common Carotid Artery Ligation**

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- LIIL. **In Reply to the Reply to the Letter to the Editor Regarding "Aneurysm Clip Compression Technique in the Surgery of Aneurysms with Hard/Calcified Neck"**

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- LIV. **Spinal Subarachnoid Hemorrhage Induced Intractable Miotic Pupil. A Reminder of Ciliospinal Sympathetic Center Ischemia Based Miosis: An Experimental Study**

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- LV. **In Reply to 'Second Response to Second Criticism Concerning Our Article Entitled "Aneurysm Clip Compression Technique in the Surgery of Aneurysms with Hard/Calcified Neck"**

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- LVI. **In Reply to "Hypothesis on the Origin of Dance: Mirror Neuron System and Imitation From Movement Disorders"**
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- LVII. **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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- LVIII. **Shunt dependency following aSAH**
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- LIX. **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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- LX. **A New Technique in Surgical Management of the Giant Cerebral Hydatid Cysts**
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- LXI. **Nontraumatic Intradiploic Epidermoid Cyst and Older Age: Association or Causality?**
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- LXII. **Unilateral Isolated Hypoglossal Nerve Palsy Caused by Gunshot Injury**
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- LXIV. **Analyzing of dark past and bright present of neurosurgical history with a picture of musicians**
GASENZER E. R., Kanat A., OZDEMİR V., NEUGEBAUER E.
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- LXV. **The sooth beneath the taste roses in the urethra and first description of neuro-morpho-chemical mechanism of penile erectile posture in males: an experimental study**
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- LXVI. **Letter to the Editor Regarding "Predictors of Shunt-Dependent Hydrocephalus After Aneurysmal Subarachnoid Hemorrhage? A Systematic Review and Meta-Analysis"**
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- LXVII. **Rationalization of the Irrational Neuropathologic Basis of Hypothyroidism-Olfaction Disorders Paradox: Experimental Study**
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- LXVIII. **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**
AYDIN M. D., Kanat A., Aydin N., KANTARCI A., Ayvaz M. A., Rakici H., Yolas C., Kepoglu U., DEMİRCİ E.

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- LXIX. 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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- LXX. 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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