

## Prof. MELİKE MUT AŞKUN

### Personal Information

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### Education Information

Doctorate, Hacettepe Üniversitesi, Nörolojik Bilimler Enstitüsü, İleri Nörolojik Bilimler, Turkey 2003 - 2007

Post Doctorate of Medicine, The University of Virginia, Faculty of Medicine, Neurosurgery, United States Of America 2003 - 2005

Expertise In Medicine, Hacettepe Üniversitesi, Tıp, Beyin Ve Sinir Cerrahisi, Turkey 1995 - 2002

Under Graduate, Hacettepe University, Tıp Fakültesi (ingilizce), Turkey 1988 - 1995

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Glioblastomalarda fosfatidylinositol 3-kinase/Akt yolu üzerinden Elk-1 aktivasyonunun değerlendirilmesi, Hacettepe Üniversitesi, Nörolojik Bilimler ve Psikiyatri Enstitüsü, İleri Nörolojik Bilimler (Dr), 2007

### Research Areas

Medicine, Health Sciences, Surgery Medicine Sciences, Nervous System Surgery, Life Sciences, Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences

### Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Tıp Fakültesi (ingilizce), Cerrahi Tıp Bilimleri Bölümü, 2015 - Continues

### Courses

pediatric neurosurgery, Under Graduate, 2017 - 2018

cerebrovascular surgery, Under Graduate, 2017 - 2018

intracranial tumors, Under Graduate, 2017 - 2018

neurological sciences, Doctorate, 2017 - 2018

peripheric nerve, Under Graduate, 2017 - 2018

Spinal neururgery, Under Graduate, 2017 - 2018

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Clinical Characteristics, Management, and Treatment Outcomes of Primary Hypophysitis: A Monocentric Cohort**  
Oguz S. H., Soylemezoglu F., SENDUR S. N., Mut M., Oguz K. K., DAĞDELEN S., Erbas T.  
Hormone and Metabolic Research, vol.52, pp.220-227, 2020 (Journal Indexed in SCI)
- II. **Combination of Paclitaxel and R-flurbiprofen loaded PLGA nanoparticles suppresses glioblastoma growth on systemic administration**  
Caban-Toktas S., Sahin A., Lule S., Esendagli G., Vural I., Karlı Oguz K., Soylemezoglu F., Mut M., Dalkara T., Khan M., et al.  
International Journal of Pharmaceutics, vol.578, 2020 (Journal Indexed in SCI)
- III. **Orbitofrontal extensions of the insular glioma based on subdivision of the uncinat fasciculus**  
Yağmurlu K., Oguz K. K., Shaffrey M. E., Mut M.  
Journal of Clinical Neuroscience, 2020 (Journal Indexed in SCI Expanded)
- IV. **The Anatomy of the Sigmoid-Transverse Junction According to the Tentorial Angle**  
Vatansever A., Mut M., ERGUN K. M., Oğuz K. K., GÜMELER E., Bulut E., TATAR İ.  
Journal of Craniofacial Surgery, vol.30, pp.2280-2284, 2019 (Journal Indexed in SCI)
- V. **Neuroinvasive Listeriosis Could Petechial Hemorrhages be a Diagnostic Clue?**  
Diker S., OKAR S., Mehdikhanova L., ARSAVA E. M., KURNE A., CEVIK I. U., AKYON Y., ALP Ş., INKAYA C., AKOVA M., et al.  
NEUROLOGIST, vol.23, pp.86-91, 2018 (Journal Indexed in SCI)
- VI. **A potential non-invasive glioblastoma treatment: Nose-to-brain delivery of farnesylthiosalicylic acid incorporated hybrid nanoparticles**  
SEKERDAG E., Lule S., PEHLIVAN S. B., Ozturk N., KARA A., KAFFASHI A., VURAL İ., Isikay I., Yavuz B., OGUZH K. K., et al.  
JOURNAL OF CONTROLLED RELEASE, vol.261, pp.187-198, 2017 (Journal Indexed in SCI)
- VII. **Effects of curcumin-loaded PLGA nanoparticles on the RG2 rat glioma model**  
Orunoglu M., KAFFASHI A., PEHLIVAN S. B., ŞAHİN S., Soylemezoglu F., OGUZ K. K., Mut M.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.78, pp.32-38, 2017 (Journal Indexed in SCI)
- VIII. **Farnesylthiosalicylic acid-loaded lipid-polyethylene glycol-polymer hybrid nanoparticles for treatment of glioblastoma**  
KAFFASHI A., Lule S., PEHLIVAN S. B., SARISOZEN C., VURAL İ., KOSUCU H., Demir T., Bugdayci K. E., Soylemezoglu F., OGUZ K. K., et al.  
JOURNAL OF PHARMACY AND PHARMACOLOGY, vol.69, pp.1010-1021, 2017 (Journal Indexed in SCI)
- IX. **The Added Value of Diffusion Magnetic Resonance Imaging in the Diagnosis and Posttreatment Evaluation of Skull Base Chordomas**  
GULER E., OZGEN B., Mut M., Soylemezoglu F., OGUZ K. K.  
JOURNAL OF NEUROLOGICAL SURGERY PART B-SKULL BASE, vol.78, pp.256-265, 2017 (Journal Indexed in SCI)
- X. **Nanotechnology Methods for Neurological Diseases and Brain Tumors Drug Delivery across the Blood-Brain Barrier Future Outlook**  
Gursoy-Ozdemir Y., Bozdog-Pehlivan S., Sekerdag E.  
NANOTECHNOLOGY METHODS FOR NEUROLOGICAL DISEASES AND BRAIN TUMORS: DRUG DELIVERY ACROSS THE BLOOD-BRAIN BARRIER, pp.345-346, 2017 (Journal Indexed in SCI)
- XI. **Unusual presentations of Carney Complex in patient with a novel PRKAR1A mutation**  
AKİN S., NOYAN S., DAĞDELEN S., Pasaoglu I., KAYNAROGLU V., MUT AŞKUN M., Bilen C. Y., Kiratli H., BAYDAR D. E., ÖNDER S., et al.  
Neuroendocrinology Letters, vol.38, pp.248-254, 2017 (Journal Indexed in SCI)

- XII. **Early changes in cerebral blood flow and cerebrovascular reactivity in mild traumatic brain injury**  
HANALIOĞLU Ş., Hidayatov T., IŞIKAY A. İ. , MUT AŞKUN M.  
Journal Of Cerebral Blood Flow And Metabolism, vol.37, pp.51, 2017 (Journal Indexed in SCI)
- XIII. **Hemispheric and regional asymmetries of early cortical blood flow changes following subarachnoid haemorrhage in mice: Further support for acute vasoconstriction?**  
HİDAYATOV T., HANALIOĞLU Ş., IŞIKAY A. İ. , MUT AŞKUN M.  
Journal Of Cerebral Blood Flow And Metabolism, vol.37, pp.38, 2017 (Journal Indexed in SCI)
- XIV. **Effect of iterative reconstruction on image quality in evaluating patients with coronary calcifications or stents during coronary computed tomography angiography: a pilot study**  
Guler E., Vural V., ÜNAL E., Kose I. C. , AKATA D., KARÇAALTINCABA M., HAZIROLAN T.  
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.16, pp.119-124, 2016 (Journal Indexed in SCI)
- XV. **Radiofrequency ablation for lung tumors: outcomes, effects on survival, and prognostic factors**  
AKHAN O., Guler E., AKINCI D., Ciftci T., Kose I. C.  
DIAGNOSTIC AND INTERVENTIONAL RADIOLOGY, vol.22, pp.65-71, 2016 (Journal Indexed in SCI)
- XVI. **Neuromyelitis Optica and Neuromyelitis Optica Spectrum Disorder Patients in Turkish Cohort Demographic, Clinical, and Laboratory Features**  
Altintas A., KARABUDAK R., Balci B. P. , TERZİ M., Soysal A., Saip S., Kurne A. T. , Uygunoglu U., Nalbantoglu M., Celik G. G. , et al.  
NEUROLOGIST, vol.20, pp.61-66, 2015 (Journal Indexed in SCI)
- XVII. **Comparison of image quality and radiation dose between prospectively ECG-triggered and retrospectively ECG-gated CT angiography: Establishing heart rate cut-off values in first-generation dual-source CT**  
ÜNAL E., Yildiz A. E. , Guler E., KARÇAALTINCABA M., AKATA D., Kilincer A., Atli E., Topcuoglu M., HAZIROLAN T.  
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.15, pp.759-764, 2015 (Journal Indexed in SCI)
- XVIII. **Meningioangiomas of the cerebellum: radiopathologic characteristics of a case**  
Bulut E., Mut M., Soylemezoglu F., Oguz K. K.  
ACTA NEUROCHIRURGICA, vol.157, pp.1371-1372, 2015 (Journal Indexed in SCI)
- XIX. **Acute visual loss: just the beginning?**  
Colpak A. I. , Isikay I., Mut M., Soylemezoglu F., Kansu T., Foroozan R.  
SURVEY OF OPHTHALMOLOGY, vol.59, pp.548-552, 2014 (Journal Indexed in SCI)
- XX. **Traumatic brain injury shows better functional recovery than brain tumor: a rehabilitative perspective**  
BİLGİN S., KÖSE N., Karakaya J., Mut M.  
EUROPEAN JOURNAL OF PHYSICAL AND REHABILITATION MEDICINE, vol.50, pp.17-23, 2014 (Journal Indexed in SCI)
- XXI. **Is diffusion-weighted imaging useful in grading and differentiating histopathological subtypes of meningiomas?**  
Sanverdi S. E. , Ozgen B., Oguz K. K. , Mut M., Dolgun A., Soylemezoglu F., Cila A.  
EUROPEAN JOURNAL OF RADIOLOGY, vol.81, pp.2389-2395, 2012 (Journal Indexed in SCI)
- XXII. **The efficacy of silver-embedded polypropylene-grafted polyethylene glycol-coated ventricular catheters on prevention of shunt catheter infection in rats**  
Hazer D. B. , Mut M., Dincer N., SARIBAŞ Z., Hazer B., Ozgen T.  
CHILDS NERVOUS SYSTEM, vol.28, pp.839-846, 2012 (Journal Indexed in SCI)
- XXIII. **Aquaporin-4 expression is not elevated in mild hydrocephalus**  
Aghayev K., Bal E., Rahimli T., Mut M., Balci S., Vrionis F., Akalan N.  
Acta Neurochirurgica, vol.154, pp.753-759, 2012 (Journal Indexed in SCI Expanded)
- XXIV. **Both mitogen-activated protein kinase (MAPK)/extracellular-signal-regulated kinases (ERK) 1/2 and phosphatidylinositol-3-OH kinase (PI3K)/Akt pathways regulate activation of E-twenty-six (ETS)-like transcription factor 1 (Elk-1) in U138 glioblastoma cells**  
Mut M., Lule S., Demir O., Kurnaz I. A. , VURAL İ.  
International Journal of Biochemistry and Cell Biology, vol.44, pp.302-310, 2012 (Journal Indexed in SCI)

Expanded)

- XXV. **Surgical treatment of brain metastasis: A review**  
Mut M.  
CLINICAL NEUROLOGY AND NEUROSURGERY, vol.114, pp.1-8, 2012 (Journal Indexed in SCI)
- XXVI. **Expression of water channel aquaporin-4 during experimental syringomyelia: Laboratory investigation**  
Aghayev K., Bal E., Rahimli T., Mut M., Balci S., Vrionis F., Akalan N.  
Journal of Neurosurgery: Spine, vol.15, pp.428-432, 2011 (Journal Indexed in SCI Expanded)
- XXVII. **Parenchymal lymphoma of the brain on initial MR imaging: A comparative study between primary and secondary brain lymphoma**  
Senocak E., Oguz K. K., Ozgen B., Mut M., Ayhan S., BERKER M., ÖZDEMİR P., Cila A.  
European Journal of Radiology, vol.79, pp.288-294, 2011 (Journal Indexed in SCI Expanded)
- XXVIII. **PKC Alpha Phosphorylates Cytosolic NF-kappaB/p65 and PKC Delta Delays Nuclear Translocation of NF-kappaB/p65 in U1242 Glioblastoma Cells U1242 Glioblastom Hücresinde PKC Alpha'n"n Sitosolik NF-kappaB/p65 Fosforilize Etmedeki ve PKC Delta'n"n NF-kappaB/p65 Nukleer Translokasyonundaki Rolü**  
Mut M., Amos S., Hussaini I. M.  
Turkish Neurosurgery, vol.20, pp.277-285, 2010 (Journal Indexed in SCI Expanded)
- XXIX. **Unmet needs in the treatment of glioblastoma**  
Mut M., Schiff D.  
EXPERT REVIEW OF ANTICANCER THERAPY, vol.9, pp.545-551, 2009 (Journal Indexed in SCI)
- XXX. **Hydrogen peroxide-induced stroke: Elucidation of the mechanism in vivo - Laboratory investigation**  
Mut M., Yemisci M., Gursoy-Ozdemir Y., Ture U.  
Journal of Neurosurgery, vol.110, pp.94-100, 2009 (Journal Indexed in SCI Expanded)
- XXXI. **Altered consciousness associated with brain neoplasms**  
Mut M., Shaffrey M. E., Schiff D.  
Handbook of Clinical Neurology, vol.90, pp.265-281, 2008 (Journal Indexed in SCI Expanded)
- XXXII. **Low-grade gliomas in older patients: A retrospective analysis of prognostic factors**  
Pouratian N., Mut M., Jagannathan J., Lopes M. B., Shaffrey M. E., Schiff D.  
Journal of Neuro-Oncology, vol.90, pp.341-350, 2008 (Journal Indexed in SCI)
- XXXIII. **Cintredekin besudotox in treatment of malignant glioma**  
Mut M., Sherman J. H., Shaffrey M. E., Schiff D.  
EXPERT OPINION ON BIOLOGICAL THERAPY, vol.8, pp.805-812, 2008 (Journal Indexed in SCI)
- XXXIV. **Usefulness of 3D-CT venography for the anterior transcallosal approach to lesions in the lateral or third ventricles**  
Mut M., Ture U., Guclu B., Ture H., Firat Z., Kovanlikaya I.  
JOURNAL OF NEURO-ONCOLOGY, vol.87, pp.199-200, 2008 (Journal Indexed in SCI)
- XXXV. **Protein kinase C- $\alpha$ -mediated regulation of low-density lipoprotein receptor-related protein and urokinase increases astrocytoma invasion**  
Amos S., Mut M., DiPierro C. G., Carpenter J. E., Xiao A., Kohutek Z. A., Redpath G. T., Zhao Y., Wang J., Shaffrey M. E., et al.  
Cancer Research, vol.67, pp.10241-10251, 2007 (Journal Indexed in SCI)
- XXXVI. **On the report of the first successful surgical treatment of brain abscess in the Ottoman empire by Dr. Cemil Topuzlu in 1891**  
Mut M., Dinç G., Naderi S.  
Neurosurgery, vol.61, pp.869-872, 2007 (Journal Indexed in SCI)
- XXXVII. **Cavernous malformation with Poland-Möbius syndrome: Case illustration**  
Mut M., Palaoglu S., Alanay Y., İSMAİLOĞLU Ö., Tuncbilek E.  
Journal of Neurosurgery, vol.107, pp.79, 2007 (Journal Indexed in SCI)
- XXXVIII. **Neuroimaging characteristics in subgroup of GBMs with p53 overexpression**  
Mut M., Turba U. C., Botella A. C., Baskurt E., Lopes M. B. S., Shaffrey M. E.

- Journal of Neuroimaging, vol.17, pp.168-174, 2007 (Journal Indexed in SCI)
- XXXIX. **Unusual presentation of an adult intramedullary spinal teratoma with diplomyelia**  
Mut M., Shaffrey M. E. , Bourne T. D. , Jagannathan J., Shaffrey C. I.  
Surgical Neurology, vol.67, pp.190-194, 2007 (Journal Indexed in SCI)
- XL. **Metastasis to nervous system: Spinal epidural and intramedullary metastases**  
Mut M., Schiff D., Shaffrey M. E.  
Journal of Neuro-Oncology, vol.75, pp.43-56, 2005 (Journal Indexed in SCI)
- XLI. **Challenging diagnosis: Oligodendroglioma versus extraventricular neurocytoma**  
Mut M., Güler-Tezel G., Lopes M., BİLGİNER B., Ziyal I., ÖZCAN Ö.  
Clinical Neuropathology, vol.24, pp.225-229, 2005 (Journal Indexed in SCI)
- XLII. **The Ki-67 labeling index as a prognostic factor in Grade II oligoastrocytomas**  
Shaffrey M. E. , Farace E., Schiff D., Lerner J. M. , Mut M., Lopes M. B. S.  
Journal of Neurosurgery, vol.102, pp.1033-1039, 2005 (Journal Indexed in SCI)
- XLIII. **Paraneoplastic recurrent multifocal encephalitis presenting with epilepsy partialis continua**  
Mut M., Schiff D., Dalmau J.  
Journal of Neuro-Oncology, vol.72, pp.63-66, 2005 (Journal Indexed in SCI)
- XLIV. **Osteoradionecrosis mimicking metastatic epidural spinal cord compression**  
Mut M., Schiff D., Miller B., Shaffrey M., Lerner J., Shaffrey C.  
Neurology, vol.64, pp.396-397, 2005 (Journal Indexed in SCI)
- XLV. **Lucien J. Rubinstein: enduring contributions to neuro-oncology.**  
Mut M., Lopes M. B. S. , Shaffrey M.  
Neurosurgical focus, vol.18, 2005 (Journal Indexed in SCI Expanded)
- XLVI. **Multilevel myelopathy in Maroteaux-Lamy syndrome and review of the literature**  
Mut M., Cila A., Varli K., Akalan N.  
Clinical Neurology and Neurosurgery, vol.107, pp.230-235, 2005 (Journal Indexed in SCI)
- XLVII. **Overexpression of heparin-binding growth-associated molecule in malignant glioma cells -  
Commentary**  
Mut M., Shaffrey M., Laws E.  
NEUROLOGIA MEDICO-CHIRURGICA, vol.44, pp.644-645, 2004 (Journal Indexed in SCI)
- XLVIII. **Eosinophilic granuloma of the skull associated with epidural haematoma: A case report and review  
of the literature**  
Mut M., Çataltepe O., Bakar B., Cila A., Akalan N.  
Child's Nervous System, vol.20, pp.765-769, 2004 (Journal Indexed in SCI)
- XLIX. **The effects of chronic hypoperfusion on rat cranial bone mineral and organic matrix: A Fourier  
transform infrared spectroscopy study**  
Boyar H., Zorlu F., Mut M., Severcan F.  
Analytical and Bioanalytical Chemistry, vol.379, pp.433-438, 2004 (Journal Indexed in SCI)
- L. **Effects of ionizing radiation on brain tissue surrounding arteriovenous malformations: An  
experimental study in a rat caroticojugular fistula model**  
Mut M., Oge K., Zorlu F., Undeger U., Erdem S., Ozcan O.  
Neurosurgical Review, vol.27, pp.121-127, 2004 (Journal Indexed in SCI Expanded)
- LI. **Radiation-induced malignant triton tumor associated with severe spinal cord compression: Case  
report and review of the literature**  
Mut M., Çataltepe O., Söylemezoğlu F., Akalan N., Özgen T.  
Journal of Neurosurgery, vol.100, pp.298-302, 2004 (Journal Indexed in SCI)
- LII. **Brain metastases**  
Shaffrey M., Mut M., Asher A., Burri S., Chahlavi A., Chang S., Farace E., Fiveash J., Hentschel S., Lang F., et al.  
Current Problems in Surgery, vol.41, pp.665-741, 2004 (Journal Indexed in SCI)
- LIII. **Intr radicular disc herniations in the lumbar spine and a new classification of intradural disc  
herniations**  
Mut M., BERKER M., Palaoğlu S.

Spinal Cord, vol.39, pp.545-548, 2001 (Journal Indexed in SCI)

- LIV. **Intraparenchymal meningioma originating from underlying meningioangiomas: Case report and review of the literature**  
Mut M., Soylemezoglu F., Firat M., Palaoglu S.  
Journal of Neurosurgery, vol.92, pp.706-710, 2000 (Journal Indexed in SCI Expanded)
- LV. **Bilateral epidural hematoma in a pyknodysostotic child**  
Çirak B., Mut M., Akalan N.  
Pediatric Neurosurgery, vol.30, pp.33-34, 1999 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Analysis of Peripapillary Retinal Nerve Fiber Layer and Macular Volume in Patients with Multiple Sclerosis, Neuromyelitis Optica Spectrum Disorders, and Healthy Controls Using Spectral Domain Optical Coherence Tomography in a Turkish Cohort**  
ÇOLPAK IŞIKAY A. İ., GÜLMEZ SEVİM D., Tuncer A., Diker S., KARABUDAK R., Kadayifcilar S., Kansu T.  
TURKISH JOURNAL OF NEUROLOGY, vol.25, pp.26-31, 2019 (Journal Indexed in ESCI)
- II. **A novel acute phase rehabilitation approach: Vibration therapy in insular glioma patients**  
ÇETİN H., TÜRKMEN C., BİLGİN S., MUT AŞKUN M., KÖSE N.  
Medicine Science International Medical Journal, vol.7, pp.448-450, 2018 (Refereed Journals of Other Institutions)
- III. **Intraoperative Neurophysiologic Examination in Central Nervous System Tumor Surgery: Four-year Single-institution Experience**  
YILDIZ F., TEZER F. İ., Mut M., VARLI K.  
TURKISH JOURNAL OF NEUROLOGY, vol.23, pp.112-116, 2017 (Journal Indexed in ESCI)
- IV. **Evaluation of the anatomy of confluence sinuum for the posterior cranial fossa approaches in Turkish population**  
VATANSEVER A., MUT AŞKUN M., BAYKO S., TATAR İ., ERGUN K. M., MOCAN M. C.  
Anatomy, vol.10, 2016 (Refereed Journals of Other Institutions)
- V. **Aspiration or capsule excision? Analysis of treatment results for brain abscesses at single institute**  
MUT AŞKUN M., HAZER ROSBERG D. B., NARİN F., AKALAN N., ÖZGEN T.  
Turkish Neurosurgery, vol.19, pp.36-41, 2009 (Other Refereed National Journals)
- VI. **Metastatik vertebra tutulumlarında vertebroplasti ve kifoplasti uygulaması**  
MUT AŞKUN M., NADERİ S.  
Journal of Turkish Spinal Surgery, vol.19, pp.153-162, 2008 (Other Refereed National Journals)
- VII. **Evaluation of lenalidomide activity on glioblastoma cell lines in vitro**  
MUT AŞKUN M., POLAR G., CARPENTER J. E., REDPATH G., LARNER J., SCHIFF D., SHAFFREY M. E.  
Journal of Neurological Sciences (Turkish), vol.24, pp.29-37, 2007 (Other Refereed National Journals)

## Books & Book Chapters

- I. **Nöroşirürji Ders Kitabı**  
MUT AŞKUN M., İNCİ M. S., AKBAY A., BERKER M., ÖGE H. K., BİLGİNER B.  
Hacettepe Üniversitesi Yayınları, Ankara, 2017
- II. **İntrakranial Tümörler**  
MUT AŞKUN M.  
in: Nöroşirürji Ders Kitabı, İnci, Berker, Akbay, Mut, Bilginer, Öge, Editor, Hacettepe Üniversitesi Yayınları, Ankara, pp.79-98, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Confocal reflectance microscopy for metal and lipid nanoparticle visualization in the brain**  
ÇAKIR AKTAŞ C., ERDENER Ş. E., Teke B., PEHLİVAN S., Kaya Z., TAŞKIRAN SAĞ A., DALKARA T., MUT AŞKUN M.  
Society for Neuroscience 2019, 19 - 23 October 2019
- II. **Fluorescence Labeled Nanostructured Lipid Carriers: Uptake by RG2 Glioma Cells**  
TEKE B., ÇAKIR AKTAŞ C., AYTEKİN E., PEHLİVAN S., MUT AŞKUN M.  
8th BBBB, 14 - 16 October 2019
- III. **Insular Gliomas**  
MUT AŞKUN M.  
UVA Neurosurgery Conferences, Charlottesville, VA, United States Of America, 10 July 2019
- IV. **Early spontaneous spreading depolarizations deepen cerebral ischemia in an experimental mouse SAH model**  
HANALIOĞLU Ş., HİDAYETOV T., İŞIKAY A. İ., MUT AŞKUN M.  
ISAH 2019, Amsterdam, Netherlands, 25 - 28 June 2019, pp.68
- V. **Yeni Nesil Dizileme Kullanılarak Serum Ekstraselüler Vezikül Tabanlı Glioblastoma Tümör Belirteçlerinin Tayini: Metodolojik Yaklaşım ve Ön Bulgular**  
MUT AŞKUN M., İŞIKAY A. İ., HANALIOĞLU Ş., ÇAKIR AKTAŞ C.  
33. Türk Nöroşirürji Derneği Bilimsel Kongresi', Turkey, 11 - 14 April 2019, vol.29, pp.223
- VI. **Yeni Nesil Dizileme Kullanılarak Serum Ekstraselüler Vezikül Tabanlı Glioblastoma Tümör Belirteçlerinin Tayini: Metodolojik Yaklaşım ve Ön Bulgular**  
MUT AŞKUN M., İŞIKAY A. İ., HANALIOĞLU Ş., ÇAKIR AKTAŞ C.  
33. Türk Nöroşirürji Derneği Bilimsel Kongresi', Turkey, 11 - 14 April 2019, vol.29, pp.223
- VII. **Yeni Nesil Dizileme Kullanılarak Serum Ekstraselüler Vezikül Tabanlı Glioblastoma Tümör Belirteçlerinin Tayini: Metodolojik Yaklaşım ve Ön Bulgular**  
MUT AŞKUN M., İŞIKAY A. İ., HANALIOĞLU Ş., ÇAKIR AKTAŞ C.  
33. Türk Nöroşirürji Derneği Bilimsel Kongresi', Turkey, 11 - 14 April 2019, vol.29, pp.223
- VIII. **Optimization of Exosomal Transcriptome Sequencing From Glioblastoma Patients to Characterize Their Biomarker Content**  
ADIGÜZEL Z., HANALIOĞLU Ş., SARAÇ DİRDİYOK A., GÜNGÖR G., KIYGA E., ÇAKIR AKTAŞ C., İŞIKAY A. İ., SAYDAM O., MUT AŞKUN M.  
Munzur 1. Uluslararası Uygulamalı Bilimler Kongresi, Tunceli, Turkey, 24 - 26 May 2019, pp.77-78
- IX. **Yeni nesil dizileme kullanılarak serum ekstraselüler vezikül tabanlı glioblastoma tümör biyobelirteçlerinin tayini/ metodolojik yaklaşım ve ön bulgular**  
MUT AŞKUN M., İŞIKAY A. İ., HANALIOĞLU Ş., ADIGÜZEL Z., ÇAKIR AKTAŞ C., KIYGA E., GÜNGÖR G.  
TND 33. Bilimsel Kongresi, Turkey, 11 - 14 April 2019, vol.29, pp.223-224
- X. **Squalenoyl adenosine nano-assemblies enhance cerebral blood flow in filament perforation SAH model in mice**  
İŞIKAY A. İ., HANALIOĞLU Ş., MUT AŞKUN M.  
WFNS 2019 International Meeting, Belgrade, Serbia And Montenegro, 21 - 24 March 2019, pp.265
- XI. **Yüksek Dereceli Rekürren Glial Tümör Tanılı Hastada Bevacizumabın Olası Bir Yan Etkisi Olarak Multipl Arteriovenöz Malformasyon**  
ELMALI DOĞAN A., MUT AŞKUN M., YÜCE SARI S., KILIÇKAP S., ZORLU A. F., YAZICI G.  
13.ULUSAL RADYASYON ONKOLOJİSİ KONGRESİ, Turkey, 27 April - 01 May 2018
- XII. **Brain Tissue Follow-up Using Dynamic Susceptibility Contrast-Enhanced and Dynamic Contrast-Enhanced Perfusion Magnetic Resonance Imaging on Lesions Categorized by Apparent Diffusion Coefficient Values in Glioblastoma**  
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