

İsmail GÜLŞEN

MD. Assoc. Prof.

Location: Lokman Hekim Van Hospital

Department: Neurosurgeon (Brain and Nerve Surgery)

Language: Turkish, English



Medical Field of Interest

Spinal Disc Herniations: Lumbar, Cervical and Thoracic Disc Herniations

Algological Procedures: Inverventional Pain Management Including Epidural Injection, Foraminal Injection, Facet Injection, etc.

Pediatric Neurosurgery: Specialized care of conditions such as Hydrocephalus and Spina Bifida

Spinal Tumors

Spinal Cord Tumors

Brain Tumors

Education

Year	Institution	Department
1997 – 2003	Süleyman Demirel University	Faculty of Medicine
2005 – 2011	Süleyman Demirel University	Medical Specialization
2017 – 2017	Van Yüzüncü Yıl University	Associate Professorship
2024 – Still	Lokman Hekim University	Associate Professor

Experience

Year	Institution	Department
2003 – 2005	Burdur Provincial Health Directorate	112 Emergency Physician
2005 – 2011	Süleyman Demirel University	Research Assistant
2011 – 2013	Bitlis State Hospital	Neurosurgeon
2013 – 2013	Marmara University	Institute of Neurological S.
2013 – 2017	Van Yüzüncü Yıl University	Assistant Professor
2016 – 2016	University of Wisconsin, USA	Observer
2017 – Still	Lokman Hekim Van Hospital	Neurosurgeon

Publications

- 1- Effects of Vitamin D and Memantine on Repetitive Mild Traumatic Brain Injury via mTOR, TRPM2, and GABA Expression Levels on Juvenile Rats . Ismail GULSEN , Hakan AK , Mehmet Edip AKYOL , Ozlem OZMEN , Hamit Hakan ALP , Ozkan ARABACI. Turk Neurosurg 34(6):1145-1159, 2024 (SCI-E ,Q3)
- 2- Risk factors associated with mortality and survival of acute subdural hematoma: A retrospective study. Tugay Atalay, Hakan Ak , Ismail Gülşen , Sinan Karacabey. J Res Med Sci 2019;24:27.(SCI-E)
- 3- Resveratrol Treatment Prevents Hippocampal Neurodegeneration in a Rodent Model of Traumatic Brain Injury. Tugay ATALAY , Ismail GULSEN , Nese COLCIMEN , Hamit Hakan ALP , Enver SOSUNCU , Ilker ALACA , Hakan AK , Murat Cetin RAGBETLI . Turk Neurosurg 27(6):924-930, 2017 (SCI-E)
- 4- Relationship between hydrocephalus etiology and ventriculoperitoneal shunt infection in children and review of literatüre. Mehmet Arslan, Abdurrahman Aycan, Ismail Gulsen, Mehmet Edip Akyol, Fetullah Kuyumcu. Vol.68, No.1, January2018 (SCI-E)
- 5- The relationship between facet joint osteoarthritis and Modic changes of the lumbar spine: a retrospective magnetic resonance imaging study. Mahmut Alpaycı,Mehmet Deniz Bulut, Levent Yazmalar, Alpaslan Yavuz, Murat Toprak, İbrahim Halil Koparan, İsmail Gülşen. Turk J Phys Med Rehab 2016;62(4):308-313 (SCI-E)
- 6- The acute effects of thymoquinone on acute peripheral nerve injury: an experimental study. İsmail Gülşen, Hakan Ak,Mikail Kara,Abdulsemat Gökalp, Veysel Akyol, Ömer Faruk Koçak, Murat Çetin Rağbetli. Ulus Travma Acil Cerrahi Derg, November 2016, Vol. 22, No. 6 (SCI-E)
- 7- Powder Topical Rifampin for Reducing Infections After Neural Tube Defect Surgery in Infants.Nihat Demir , Erdal Peker ,İsmail Gulşen, Selami Kocaman , Oguz Tuncer , Ercan Kırımı. WORLD NEUROSURGERY 95: 165-170, NOVEMBER 2016 (SCI)
- 8- Decreased Vertebral Artery Hemodynamics in Patients with Loss of Cervical Lordosis. Mehmet Deniz Bulut ,Mahmut Alpayci,Emre Şenköy,Aydin Bora,Levent Yazmalar ,Alpaslan Yavuz,İsmail GülşenMed Sci Monit, 2016; 22: 495-500.

- 9- Neuroprotective Effects of Thymoquinone on the Hippocampus in a Rat Model of Traumatic Brain Injury. Ismail Gulsen , Hakan Ak , Nese Colcimen , Hamit H. Alp , Mehmet E. Akyol , Ismail Demir , Tugay Atalay , Ragıp Balahroglu , Murat C. . Ragbetli . WORLD NEUROSURGERY 86: 243-249, FEBRUARY 2016.(SCI)
- 10- A Single-Center Experience of CNS Anomalies or Neural Tube Defects in Patients With Jarcho–Levin Syndrome. Nihat Demir, Erdal Peker, Ismail Gulsen, Kemal Agengin, Sultan Kaba, Oguz Tuncer, Journal of Child Neurology 2016, Vol. 31(4) 415-420 (SCI)
- 11- The effects of caffeic acid phenethyl ester on inflammatory cytokines after acute spinal cord injury .Hakan Ak, İsmail Gülşen, Tamer Karaaslan, İlker Alaca, Aydın Candan, Havva Koçak, Tugay Atalay, Asuman Çelikkbilek, İsmail Demir, Tefvik Yılmaz. Ulus Travma Acil Cerrahi Derg, March 2015, Vol. 21, No. 2. (SCI-E)
- 12- Evaluation of blood neutrophil to lymphocyte and platelet to lymphocyte ratios according to plasma glucose status and serum insulin-like growth factor 1 levels in patients with acromegaly. R Uçler , M Aslan , M Atmaca , M Alay , EN Ademoglu and Gulsen İ. Human and Experimental Toxicology 1–5 2015 (SCI-E)
- 13- Effects of Resveratrol on Acute Sciatic Nerve Injury in a Rat Model Hakan AK , İsmail GÜLŞEN , Mikail KARA , Tugay ATALAY , Veysel AKYOL , Murat Çetin RAĞBETLİ. Journal of Neurological Sciences [Turkish] 32:(2)# 44; 303-310, 2015. (SCI-E)
- 14- How frequently external ventricular drainage device should be changed in children with ventriculoperitoneal shunt infection? Ismail Gulsen , Hakan Ak , Nihat Demir , Enver Sosuncu, Mehmet Arslan. Pak J Med Sci 2015 Vol. 31 No. 2. (SCI-E)
- 15- The effects of membranous abnormalities on mortality and morbidity in chronic subdural hematomas. Hakan AK , İsmail GÜLŞEN , Soner YAYCIOĞLU, Tugay ATALAY , İsmail DEMİR , Enver SÖSÜNCÜ , Mehmet Deniz BULUT , Mehmet ARSLAN. Journal of Neurological Sciences [Turkish] 32:(1)# 43; 154-160, 2015. (SCI-E)
- 16- Indications of Brain Computed Tomography Scan in Children Younger Than 3 Years of Age with Minor Head Trauma. İsmail Gülşen, Hakan Ak, Sevdegül Karadaş, İsmail Demir, Mehmet Deniz Bulut, and Soner Yaycioğlu. Emergency Medicine International Volume 2014, Article ID 248967, (SCI –E)
- 17- The effect of Povidone-iodine on Peridural Fibrosis in Spinal Surgery. Halil SAMANCIOĞLU , Soner YAYCIOĞLU , Hakan AK , Canten TATAROĞLU, İsmail GÜLŞEN. Journal of Neurological Sciences [Turkish] 31:(4)# 42; 687-692, 2014 . (SCI-E)
- 18- Maternal and Fetal Outcomes of 179 Traumatized Pregnants in Tertiary Referral Center. İsmet Alkış, Sevdegül Karadaş, Erbil Karaman, İsmail Gülşen, Reşit Öncü, Numan Cim, Recep Dursun. Open Journal of Obstetrics and Gynecology, 4, 1037-1043.
- 19- Bel Ağrısının Tedavisinde Çuvaldızla Bel Dikilmesi: Yanlış Bir Tıp Dışı Uygulama. Hakan AK , İsmail GÜLŞEN , Tugay ATALAY, Özlem BALBALOĞLU , Gökhan EVCİLİ . Journal of Neurological Sciences [Turkish] 30:(4)# 38; 677-681, 2013. (SCI-E)
- 20- Topical Application of Tacrolimus Prevents Epidural Fibrosis in a Rat Postlaminectomy Model: Histopathological and Ultrastructural Analysis. Ozgur Ismailoglu , Baki Albayrak, Ismail Gulsen , Gamze Tanrıover , Necdet Demir
- 21- Effects of Low Intensity Treadmill Exercise on Sciatic Nerve in Experimental Diabetic Neuropathy GÜLŞEN İSMAİL, KANTER MEHMET, AYCAN ABDURRAHMAN, ÜÇLER RIFKI (2016). Analytical and Quantitative Cytology and Histology , 1-7., (SCI-E)

- 22- A Retrospective Comparison of Conventional versus Transverse Mini-Incision Technique for Carpal Tunnel Release. GÜLŞEN İSMAİL, AK HAKAN, BALBALOĞLU ÖZLEM (2013). ISRN Neurology, 2013, 1-5., Doi: 10.1155/2013/721830
- 23- Spontaneous Rapid Resolution of Acute Epidural Hematoma in Childhood. GÜLŞEN İSMAİL, AK HAKAN, YAVUZ ALPASLAN, KIYMAZ NEJİMİ (2013). Case Reports in Medicine, 2013, 1-4., Doi: 10.1155/2013/956849,
- 24- Supratentorial primitive neuroectodermal tumor of the frontal lobe in a teenager. GÜLŞEN İSMAİL, AK HAKAN, BULUT MEHMET DENİZ, BAYRAM İRFAN, CAN ALPER (2015). Scholars Journal of Medical Case Reports, 3(8), 766-769.,
- 25- Isolated Unilateral Adduction Paresis of the Right Eye Due to a Contusion in the Subnucleus of Oculomotor Nerve. GÜLŞEN İSMAİL, AK HAKAN, BULUT MEHMET DENİZ, TANIK NERMİN (2015). British Journal of Medicine & Medical Research, 6(4), 446-452., (Kontrol No: 1510410)
- 26- Delayed Traumatic Intracerebral Hemorrhage: For How Many Hours Should Patients with Mild Head Trauma be Observed?. KARADAŞ SEVDEGÜL, GÖNÜLLÜ HAYRIYE, GÜLŞEN İSMAİL (2015). Journal of Clinical and Analytical Medicine, 1-5.(2015)
- 27- Co-occurrence of lumbar spondylolysis and lumbar disc herniation with lumbosacral nerve root anomaly. Tefvik Yılmaz, TURAN YAHYA, GÜLŞEN İSMAİL, Sedat Dalbayrak (2014). Journal of Craniovertebral Junction and Spine, 5(2), 99, Doi: 10.4103/0974-8237.139211,
- 28- Parietal Lobe Injury Due to Stab Wound: Case Report. Austin Journal of Emergency and Critical Care Medicine, 1(2), 1-2., A.16 GÜLŞEN İSMAİL, AK HAKAN, AKYÜZ YURDANUR, ARSLAN MEHMET (2014). Concealed Penetrating
- 29- Intracranial Meningioma Diagnosed during Pregnancy Caused Maternal Death. Zehra Kurdoglu, Orkun Cetin, GÜLŞEN İSMAİL, DİRİK DENİZ, BULUT MEHMET DENİZ Case Reports in Medicine, 2014, 1-3., Doi: 10.1155/2014/158326, (
- 30- The Association of the Epidermoid Cyst of the Filum Terminale, Intradural Spinal Lipoma, Tethered Cord, Dermal Sinus Tract, and Type I Diastematomyelia in a Child. AK HAKAN, ATALAY TUGAY, GÜLŞEN İSMAİL World Neurosurgery, 82(6), 836-837., Doi: 10.1016/j.wneu. 2014.08.040,
- 31- Arachnoid Cyst as a Rare Cause of Headache in a Teenager: Case Report. AK HAKAN, GÜLŞEN İSMAİL (2012). Journal of Neurology Research, 2(6), 247-249., Doi: 10.4021/jnr156w,
- 32- Chiari III Malformation with a Giant Encephalocele Sac: Case Report and a Review of the Literature. BULUT MEHMET DENİZ, YAVUZ ALPASLAN, BORA AYDIN, GÜLŞEN İSMAİL (2013). Pediatric Neurosurgery, 49(5), 316-319., Doi: 10.1159/000365661,
- 33- Idiopathic Normal Pressure Hydrocephalus Accompanied by Seizure: A Case Report. AK HAKAN, GÜLŞEN İSMAİL British Journal of Medicine and Medical Research, 5(6), 842-847., Doi: 10.9734/BJMMR/2015/13694,
- 34- A Highly Rare Cause of Lumbar Spondylodiscitis with Epidural Abscess: Actinomyces israelii. GÜLŞEN İSMAİL, GÜRLER NEZAHAT, BAŞARAN SENİHA (2014). Case Reports in Infectious Diseases, 1-4., Doi: 10.1155/2014/469075
- 35- BULUT GÜLAY, ERTEN REMZİ, GÜLŞEN İSMAİL (2015). Management of haemangiopericytoma located in the spinal cord diagnosed during pregnancy. Journal of Obstetrics & Gynaecology, 35 (3), 310-311., Doi: 10.3109/01443615.2014.949228

- 36- AK HAKAN,GÜLŞEN İSMAİL,ATALAY TUGAY,GENCER MUZAFFER (2015). Does the Removal of Spinal Implants Reduce Back Pain?. Journal of Clinical Medicine Research, 7(6), 460-463.,
- 37- BORA AYDIN,YOKUŞ ADEM,BATUR ABDUSSAMET,BULUT MEHMET DENİZ,YAVUZ ALPASLAN, GÜLŞEN İSMAİL,ÖZGÖKÇE MESUT,ARSLAN MEHMET (2015). Spontaneous Rupture of the Middle Fossa Arachnoid Cyst into the Subdural Space: Case Report. Polish Journal of Radiology, 80, 324- 327., Doi: 10.12659/PJR.893928,
- 38- BULUT MEHMET DENİZ,GÜLŞEN İSMAİL,BORA AYDIN,YAVUZ ALPASLAN,GÖYA CEMİL . Dyke-Davidoff-Masson syndrome: Two case reports. Dicle Medical Journal / Dicle Tip Dergisi, 41 (3), 591-594., Doi: 10.5798/diclemedj.0921.2014.03.0481,
- 39- AK HAKAN,GÜLŞEN İSMAİL,ATALAY TUGAY . Ligamentum Flavum Hematoma As a Rare Cause of Failed Back Surgery. Journal of Neurological Sciences [Turkish], 30(4), 836-841.
- 40- ALKIŞ İSMET,BAYRAM İRFAN,BULUT MEHMET DENİZ,AK HAKAN,YILMAZ TEVFİK,GÜLŞEN İSMAİL (2014). Recurrent Gliosarcoma in Pregnancy. Case Reports in Neurological Medicine, 2014, 1-4., Doi: 10.1155/2014/953184,
- 41- GÜLŞEN İSMAİL,KIYMAZ NEJMİ,AĞENGİN KEMAL . Anal Protrusion Caused By a Ventriculoperitoneal Shunt. VAN TIP DERGİSİ, 1-8.
- 42- AK HAKAN,GÜLŞEN İSMAİL,ATALAY TUGAY,BULUT MEHMET DENİZ,GÜNDOĞDU FATMA . Lomber Omurga Cerrahisinde Revizyon Cerrahisi Nedenleri ve Sonuçları: 72 Ardışık Hasta ile Deneyim The Causes and the Results of Revision Surgery in Lumbar Spine: Experience with 72 Consecutive Cases. Abant Medical Journal, 4(4), 334-337.
- 43- DEMİRÖREN KAAN,GÜLŞEN İSMAİL,ECE İBRAHİM,GARİPARDIÇ MESUT,BULUT MEHMET DENİZ, ARSLAN MEHMET,ÜNER ABDURRAHMAN. Çocuklarda İntrakraniyal Apse. VAN TIP DERGİSİ, 22(2), 67-72.
- 44- AK HAKAN,GÜLŞEN İSMAİL,ATALAY TUGAY,TANIK NERMİN . NON TRAVMATİK AKUT POSTERİOR İNTEROSSEÖZ SİNİR KOMPRESYON SENDROMU: OLGU SUNUMU. BOZOK TIP DERGİSİ, 5(2), 80-83.
- 45- AK HAKAN,GÜLŞEN İSMAİL,ATALAY TUGAY,DEMİR İSMAİL,YOLCU SADIYE . BİR DEVLET HASTANESİNDE BİR YIL İÇİNDE ACİL ŞARTLAR ALTINDA AMELİYAT EDİLEN KRANİYAL OLGULARIN RETROSPEKTİF DEĞERLENDİRİLMESİ. BOZOK TIP DERGİSİ , 5(1), 7-12
- 46- GÜLŞEN İSMAİL . Trampoline Bağlı Ölümcül Servikal Dislokasyon: 1-4.
- 47- İSMAİLOĞLU ÖZGÜR,GÜLŞEN İSMAİL (2009). Lomber Diskopatili 2(2), 100-102.
- 48- İSMAİLOĞLU ÖZGÜR,GÜLŞEN İSMAİL (2009). Rare Cause of Persistent Headache in A Child- Spontaneous Idiopathic Subdural Hematoma. Sinir Sistemi Cerrahisi Dergisi, 2(1), 42-44.
- 49- AK HAKAN,ÇELİK ZELİHA ESİN,GÜLŞEN İSMAİL (2015). EKSTRADURAL FORAMİNAL SCHWANNOM. Anatol J Clin Investig, 9(2), 76-78.
- 50- GÜLŞEN İSMAİL,AK HAKAN,ATALAY TUGAY (2015). PRESAKRAL ANEVİZMAL BOZOK Medicine, 5(2), 93-96.
- 51- KAYAN MUSTAFA,BORA AYDIN,GÜLŞEN İSMAİL (2013). Rutin abdominal ÇDBT S.D.Ü. 20(4), 131-138.

Performed over, 3000 + surgeries throught his Professional career.