



## PROF. DR. İdris ALTUN

### Neurosurgery

Brain Tumors  
 Spine tumors  
 Pituitary surgery  
 Brain biopsy  
 Lumbar and neck hernias  
 Spine degeneration surgeries  
 Hydrocephalus surgeries  
 Pediatric brain surgery operations  
 Endoscopic third ventriculostomy  
 Trigeminal neuralgia blockades and surgeries  
 Non-surgical back and neck pain procedures

**LOCATION** Hisar Intercontinental Hospital

**LANGUAGES**

English

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**PLACE OF BIRTH,  
DATE**

Turkey,

### PRESENT

- ◆ Hisar Intercontinental Hospital

## EXPERIENCE

Prof. Dr. İdiris Altun completed his residency in Kahramanmaraş Sütçü İmam University Faculty of Medicine, Department of Neurosurgery in 2012. In 2009-2010, he received training in Barrow, Arizona, USA. After his specialty training, he worked as a specialist, assistant professor, associate professor and professor in Kahramanmaraş Sütçü İmam University Faculty of Medicine, Department of Neurosurgery between 2012-2023. During his tenure, he performed many surgical procedures related to his field. He has successfully performed lumbar and cervical hernias, lumbar and cervical narrow canal surgeries, spinal trauma surgeries, head trauma surgeries, pediatric neurosurgery surgeries, brain and spine tumor surgeries. In 2017, he received endoscopic pituitary surgery training at Kocaeli University and started pituitary surgery and skull base surgery in Kahramanmaraş. He has performed trigeminal neuralgia surgery and blockage, non-surgical back and neck pain interventional procedures, endoscopic brain surgeries and performed a wide range of stereotaxic brain biopsy procedures. Since 2023, he continues to work as a faculty member at Istanbul Rumeli University.

## Articles published in international refereed journals:

- ALTUN HATİCE, ALTUN İDİRİS (2023). Maternal Psychological Distress and Coping Strategies in Mothers of Children with Myelomeningocele Aged 1-72 months. *MedPress Psychiatry & Behavioral Sciences*
- ALKAN AHMET, ALTUN SİNAN, DOĞAN ADİL, EFEOĞLU İBRAHİM, ALTUN İDİRİS (2023). Investigation of the effect of "Nicotiana rustica/Maraş Otu" use on gray matter using image processing techniques from brain MRI images. Springer Science and Business Media LLC, Doi: 10.1007/s11760-023- 02572-5
- ALTUN İDİRİS, ALTUN SİNAN, ALKAN AHMET (2023). LSS-UNET: Lumbar spinal stenosis semantic segmentation using deep learning. Springer Science and Business Media LLC, Doi:10.1007/s11042-023-15205-3
- ALTUN SİNAN, ALKAN AHMET, ALTUN İDİRİS (2023). Diagnosis of Lumbar Spinal Stenosis with Deep Learning. *Clinical Spine Surgery*
- ALTUN İBRAHİM, TİYEK İSMAİL, ALTUN EDA, ALTUN İDİRİS (2023). Production Of Tetracycline Hydrochloride-Collagen-Doped Chitosan Nanofiber Scaffolds And Investigation Of Their Antibacterial Properties. *International Society of Academicians*, Doi: 10.38001/ijlsb.1180026
- ALTUN İDİRİS (2022). Stability Preservation with Simple Suture Technique without Instrumentation in Spinal Tumors: Preliminary Study. *MedPress Neurology and Neurosurgery*
- ALTUN İDİRİS (2022). Frameless Stereotactic Brain Biopsy with Neuronavigation: Our Clinical Experience. *MedPress Surgery*
- ALTUN İDİRİS (2022). Surgical treatment of spinal tumors with modified laminoplasty: Preliminary study. *International Journal of Spine Research*
- KURT AKİF HAKAN, YÜKSEL KASIM ZAFER, ÜREMİŞ NURAY, ÜREMİŞ MUHAMMED MEHDİ, ALTUN İDİRİS, BOŞNAK MEHMET, KILIÇASLAN DERYA, ALLI BİLGE (2019). Protective Effects of G Protein-Coupled Estrogen Receptor 1 (GPER1) on  $\beta$ -Amyloid-Induced Neurotoxicity: Implications for Alzheimer's Disease. *Neurochemical Journal*, 13(1), 99-104., Doi: 10.1134/S1819712419010148
- SARICA SELMAN, ALTUN İDİRİS (2018). The effects on peripheral nerve damage of the application of local and systemic erythropoietin. *BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY*, 119(9), 602-607. Doi: 10.4149/BLL\_2018\_108
- ALTUN HATİCE, ALTUN İDİRİS (2018). Risk of mild head injury in preschool children: relationship to attention deficit hyperactivity disorder symptoms. *Child's Nervous System*, 34(7), 1353-1359., Doi: 10.1007/s00381-018-3808-8
- Yucesoy Kemal, YÜKSEL KASIM ZAFER, ALTUN İDİRİS, YÜKSEL MÜRVEET, KALEMÇİ ORHAN (2017). Can Cervical Arthroplasty Impact Alignment? A Comparison of the Synergy Disc with Cervical Fusion. *Journal of Spine*, 6(06)
- ALTUN İDİRİS, YÜKSEL KASIM ZAFER (2017). Impact of Position on Efficacy of Caudal Epidural Injection for Low Back Pain and Radicular Leg Pain Due to Central Spinal Stenosis and Lumbar Disc Hernia. *Journal of Korean Neurosurgical Society*, 60(2), 205-210., Doi: 10.3340/jkns.2016.0405.007
- ALTUN İDİRİS, YÜKSEL KASIM ZAFER (2017). An Experimental Study on the Effects of Smoking in the Perinatal Period and During Lactation on the Intervertebral Disks of Newborns. *World Neurosurgery* 99, 1-5., Doi: 10.1016/j.wneu.2016.11.042
- MERT TUFAN, KURT AKİF HAKAN, ALTUN İDİRİS, ÇELİK AHMET, furkan Baran, GÜNAY İSMAİL (2017). Pulsed magnetic field enhances therapeutic efficiency of mesenchymal stem cells in chronic neuropathic pain model. *Bioelectromagnetics*, 38(4), 255-264., Doi: 10.1002/bem.22038
- ALTUN İDİRİS, YÜKSEL KASIM ZAFER (2017). Lumbar herniated disc: spontaneous regression. *The Korean Journal of Pain*, 30(1), 44, Doi: 10.3344/kjp.2017.30.1.44
- ALTUN İDİRİS, YÜKSEL KASIM ZAFER (2017). Histopathological Analysis of Ligamentum Flavum in Lumbar Spinal Stenosis and Disc Herniation. *Asian Spine Journal*, 11(1), 71, Doi: 10.4184/asj.2017.11.1.71
- REİS MARCO T, REYES PHİLLİP M, ALTUN İDİRİS, NEWCOMB ANNA G, SİNGH VANEET, CRAWFORD NEİL R (2016). Biomechanical evaluation of lateral lumbar interbody fusion with secondary augmentation. *Journal of Neurosurgery: Spine*, 25(6), 720-726., Doi: 10.3171/2016.4.SPINE151386
- ALTUN İDİRİS (2016). Cytokine profile in degenerated painful intervertebral disc variability with respect to duration of symptoms and type of disease. *The Spine Journal*, 16(7), 857-861., Doi: 10.1016/j.spinee.2016.03.019

- ALTUN İDİRİS (2016). An Experimental Study of Histopathologic Effects of Hemostatic Agents Used in Spinal Surgery. *World Neurosurgery*, 90, 147-153., Doi: 10.1016/j.wneu.2016.02.052
- ALTUN İDİRİS, BELGE KURUTAŞ ERGÜL (2016). Vitamin B complex and vitamin B12 levels after peripheral nerve injury. *Neural Regeneration Research*, 11(5), 842, Doi: 10.4103/1673-5374.177150
- YÜCESOY KEMAL, YÜKSEL KASIM ZAFER, YÜKSEL MÜRVET, KALEMCI ORHAN, ALTUN İDİRİS, DUGGAL NEİL (2016). Changes in Sagittal Alignment after Cervical Disc Arthroplasty Results of a Pilot Study. *Journal of Spine*, 5(01), Doi: 10.4172/2165-7939.1000288
- ALTUN İDİRİS, YÜKSEL KASIM ZAFER (2016). Ankylosing Spondylitis: Patterns of Spinal Injury and Treatment Outcomes. *Asian Spine Journal*, 10(4), 655, Doi: 10.4184/asj.2016.10.4.655
- ALTUN İDİRİS, YÜKSEL KASIM ZAFER, MERT TUFAN (2016). Impact of magnetic field on pressures of programmable cerebrospinal fluid shunts: an experimental study. *Turkish Neurosurgery*, Doi: 10.5137/1019-5149.JTN.16795-15.2
- ALTUN İDİRİS, BELGE KURUTAŞ ERGÜL (2015). G Protein Coupled Estrogen Receptor Levels after Peripheral Nerve Injury in an Experimental Rat Model. *World Neurosurgery*, 84(6), 1903-1906. Doi: 10.1016/j.wneu.2015.08.028
- MERT TUFAN, ÖKSÜZ HAFİZE, TUGTAG BERRİN, KILINÇ METİN, ŞAHİN ELİF, ALTUN İDİRİS (2015). Anti hypernociceptive and Anti oxidative Effects of Locally Treated Dobutamine in Diabetic Rats. *Pharmacological Reports*, 67(5), 1016-1023., Doi: 10.1016/j.pharep.2015.03.009
- MERT TUFAN, ALTUN İDİRİS, ÇELİK AHMET, SÜRER TUBA, GÜNAY İSMAİL (2015). Modulation of Cytokine Levels in Ameliorative Effects of Pulsed Magnetic Field on an Experimental Model of Chronic Constriction Injury. *International Journal of Radiation Biology*, 91(7), 596-602., Doi: 10.3109/09553002.2015.1031408
- ALTUN İDİRİS, ÇIRALIK HARUN (2015). Histopathological Effects of Tissue Adhesives on Experimental Peripheral Nerve Transection Model in Rats. *Journal of Korean Neurosurgical Society*, 58(6), 504, Doi: 10.3340/jkns.2015.58.6.504
- YILMAZ MURAT, YURT ALATTİN, ALTUN İDİRİS, YILMAZ HAKAN, KILIÇARSLAN BİLAL, ARDA MEHMET NURİ (2015). Chronic Subdural Hematomas A Review of 94 Cases. *Cukurova Medical Journal*, 40(1), 22-27.
- BELGE KURUTAŞ ERGÜL, ŞENOĞLU MEHMET, YÜKSEL KASIM ZAFER, UNSAL VELİD, ALTUN İDİRİS (2015). Oxidative Nitrosative Stress in Patients with Modic Changes. *Spine*, 40(14), 1101-1107. Doi: 10.1097/BRS.0000000000000737

### Papers presented at international scientific meetings and published in proceedings

- ALKAN AHMET, ALTUN SİNAN, ALTUN İDİRİS (2017). Classification of MR Spectroscopy Data in Brain Tumor Diagnosis. *International Advanced Researches & Engineering Congress*
- ALTUN HATİCE, ALTUN İDİRİS (2018). Risk of mild head injury in preschool children: relationship to attention-deficit/hyperactivity disorder symptoms. *10th International Congress on Psychopharmacology 6th International Symposium on Child and Adolescent Psychopharmacology*
- GÜNAY MÜCAHİD, SELÇUK TURAB, ALTUN İDİRİS, ALKAN AHMET (2016). Bilgisayarlı Tomografi Görüntülerinden Paranasal Sinüslerin Üç Boyutlu Modellenmesi. *1st International Conference on Engineering Technology and Applied Science*
- GÜNAY MÜCAHİD, ALKAN AHMET, ALTUN İDİRİS (2016). Segmentation of Sphenoid Sinus Region by Using Computed Tomography Images. *International Conference on Natural Science and Engineering (ICNASE'16)*
- YÜCESOY KEMAL, YÜKSEL KASIM ZAFER, ALTUN İDİRİS (2015). Changes in Sagittal Alignment after Cervical Disc Arthroplasty Results of a Pilot Study. *Proceedings of the NASS 30th Annual Meeting*, 15(10), 147, Doi: 10.1016/j.spinee.2015.07.155
- TİYEK İSMAİL, ALTUN İDİRİS, ALTUN İBRAHİM, DÖNMEZ UTKAY, YILDIRIM BEHZAT (2015). Acil Durumlarda Açık ve Kapalı Yaraları İçin Tasarlanmış Yara İyileştirici Biyomalzeme. *7. Uluslararası AR-GE Pazarı International R&D Brokerage Event*
- ALTUN İDİRİS, YÜKSEL KASIM ZAFER (2015). The Effect of Erythropoietin on Regeneration in

- Peripheral Nerve Damage An Experimental Study. Congress of Neurological Surgeons Annual Meeting 2015

## AFFILIATIONS

- ◆ American Association of Neurological Surgeons (AANS)
- ◆ The Congress of Neurological Surgeon (CNS)
- ◆ Society for Nervous System Surgery
- ◆ Turkish Neurosurgical Association
- ◆ 2017-2017 ENDOSCOPY TRAINING KOCAELI UNIVERSITY OF KOCAELI UNIVERSITY FACULTY OF MEDICINE , (Other)
- ◆ Observer

Barrow Neurological Institute (BNI). St. Joseph's Hospital and Medical Center Phoenix Arizona / USA,  
Observer in Biomechanics Laboratory, Operating Room and Clinic, (University Abroad) 2009-2010

