

CURRICULUM VITAE

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PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1.** Özgen U., Yıldız M. Z., Akçakaya M. O., Kırış T., "Comparative Analysis of Frameless Robotic Stereotactic Biopsy with Intraoperative Sodium Fluorescein Versus Frame-Based Stereotactic Technique", *Diagnostics*, vol. 16, no. 7, 2026.
- A2.** Özgen U., Akçakaya M. O., Kırış T., "Picket-Fence Technique in Surgical Treatment of Cerebral Aneurysms and Role of Intraoperative Videoangiography in Aneurysm Surgery", *Medicina (Lithuania)*, vol. 61, no. 11, 2025.
- A3.** Özgen U., Başak A. T., Hekimoğlu M., Akçakaya M. O., Öktenoğlu T., Özer A. F., Kırış T., "Safety and efficacy of ultrasonic bone scalpel compared with a high-speed drill in spinal surgery: our experience in sixty cases", *International Orthopaedics*, vol. 49, no. 5, pp. 1199-1210, 2025.
- A4.** Sarı R., Akçakaya M. O., Özyılmaz K., Temel Y., Elmacı İ., "Case Report: Cranial intradural chordoma following extradural spinal chordoma", *Frontiers in Surgery*, vol. 12, no. 1598308, pp. 1-8, 2025.
- A5.** Öztürk O., Akçakaya N. H., Akçakaya M. O., "Combined thalamic and pallidal deep brain stimulation in diabetic hemiballism/hemichorea", *Neurocirugía (English Edition)*, vol. 35, 2024.
- A6.** Kırış T., Akçakaya M. O., "Comparison of intraoperative sodium fluorescein and indocyanine green videoangiography during intracranial aneurysm and arteriovenous malformation surgery", *Clinical Neurology and Neurosurgery*, vol. 244, 2024.
- A7.** Akçakaya M. O., Mirkhasilova M., Öztürk O., Uğurlar D., Töngç M., Alço G., Ercan T., İğdem M. Ş., Karadereler S., "Gamma Knife radiosurgery for the treatment of trigeminal neuralgia: A single center-experience", *Neurocirugía (English Edition)*, vol. 35, 2024.
- A8.** Özgen U., Akçakaya M. O., Kırış T., "RESULTS OF VENTRICULOPERITONEAL SHUNT SURGERY USING ELECTROMAGNETIC AND OPTICAL NAVIGATION: EXPERIENCES IN 31 PATIENTS ELEKTROMANYETİK VE OPTİK NAVİGASYON KULLANILARAK YAPILAN VENTRİKÜLOPERİTONEAL SANT CERRAHİSİNİN SONUÇLARI: 31 HASTADAKİ DENEYİMLER", *Istanbul Tıp Fakültesi Dergisi*, vol. 87, no. 4, pp. 267-274, 2024.
- A9.** Höhne J., Acerbi F., Falco J., Akçakaya M. O., Schmidt N. O., Kırış T., De Laurentis C., Ferrolı P., Broggi M., Schebesch K., "Lighting up the tumor—fluorescein-guided resection of gangliogliomas", *Journal of Clinical Medicine*, vol. 9, no. 8, 2020.
- A10.** Altunrende M. E., Göker B., Dolgun M., Akçakaya M. O., Kasımcıan M. Ö., Şencan F., Hamamcıoğlu M. K., Kırış T., "Intracranial cystic meningiomas: A series of six patients Meningiomas quísticos intracraneales: una serie de seis pacientes", *Neurocirugía*, vol. 30, no. 4, pp. 159-166, 2019.
- A11.** Akçakaya M. O., Saryyeva A., Heissler H. E., Hermann E. J., Krauss J. K., "Glial tumors and deep brain stimulation: An increasingly recognized association?", *Journal of Clinical Neuroscience*, vol. 64, pp. 1-3, 2019.
- A12.** Höhne J., Schebesch K., De Laurentis C., Akçakaya M. O., Pedersen C. B., Brawanski A., Poulsen F. R., Kırış T., Cavallo C., Broggi M. vd., "Fluorescein Sodium in the Surgical Treatment of Recurrent Glioblastoma Multiforme", *World Neurosurgery*, vol. 125, 2019.
- A13.** Akçakaya M. O., Akçakaya N. H., Kasımcıan M. Ö., Kırış T., "Life-threatening parkinsonism-hyperpyrexia syndrome following bilateral deep brain stimulation of the subthalamic nucleus", *Neurologia i Neurochirurgia Polska*, vol. 52, no. 2, pp. 289-292, 2018.
- A14.** Akçakaya M. O., Göker B., Kasımcıan M. Ö., Hamamcıoğlu M. K., Kırış T., "Use of Sodium Fluorescein in Meningioma Surgery Performed Under the YELLOW-560 nm Surgical Microscope Filter: Feasibility and Preliminary Results", *World Neurosurgery*, vol. 107, pp. 966-973, 2017.
- A15.** Yörükoğlu A. G., Göker B., Tahta A., Akçakaya M. O., Aydoseli A., Sabancı P. A., Aras Y., Alkır G., Sencer A., İmer M. vd., "Fully endoscopic interlaminar and transforaminal lumbar discectomy: Analysis of 47 complications encountered in a series of 835 patients Discectomía lumbar interlaminar y transforaminal completamente endoscópica: análisis de 47 complicaciones encontradas en una serie de 835 pacientes", *Neurocirugía*, vol. 28, no. 5, pp. 235-241, 2017.

- A16.** Akçakaya N. H., Akçakaya M. O., Sencer A., Yapıcı Z., "Idiopathic intracranial hypertension: Diagnosis and therapeutic approach İdiyopatik intrakraniyal hipertansiyon: Tanı ve tedavi yaklaşımı", *Türk Noroloji Dergisi*, vol. 23, no. 2, pp. 43-50, 2017.
- A17.** Akçakaya M. O., Aydoseli A., Aras Y., Sabancı P. A., Barburoğlu M., Alkır G., Sencer A., Sencer S., Aydın K., Kırış T. vd., "Clinical course of non-traumatic non-aneurysmal subarachnoid hemorrhage: A single institution experience over 10 years and review of the contemporary literature", *Turkish Neurosurgery*, vol. 27, no. 5, pp. 732-742, 2017.
- A18.** Yörükoğlu A. G., Tahta A., Akçakaya M. O., Sabancı P. A., Aras Y., Aydoseli A., Dolgun M., Sencer A., Hepgül K., "Percutaneous Fully Endoscopic İnterlaminar Approach to the Filum Terminale: A Cadaveric Study", *World Neurosurgery*, vol. 92, pp. 402-406, 2016.
- A19.** Akçakaya M. O., Yörükoğlu A. G., Aydoseli A., Aras Y., Sabancı P. A., Altunrende M. E., Dolgun M., Göker B., Şencan F., Ali A. vd., "Serum creatine phosphokinase levels as an indicator of muscle injury following lumbar disc surgery: Comparison of fully endoscopic discectomy and microdiscectomy", *Clinical Neurology and Neurosurgery*, vol. 145, pp. 74-78, 2016.
- A20.** Hamamcıoğlu M. K., Akçakaya M. O., Göker B., Kasımcı M. Ö., Kırış T., "The use of the YELLOW 560 nm surgical microscope filter for sodium fluorescein-guided resection of brain tumors: Our preliminary results in a series of 28 patients", *Clinical Neurology and Neurosurgery*, vol. 143, pp. 39-45, 2016.
- A21.** Akçakaya M. O., Altunrende M. E., Akdemir O., "Posterior arch defect of the atlas in a patient with acute trauma", *Spine Journal*, vol. 16, no. 2, pp. 15-16, 2016.
- A22.** Aydoseli A., Can H., Aras Y., Sabancı P. A., Akçakaya M. O., Ünal Ö. F., "Memantine and Q-VD-OPh Treatments in Experimental Spinal Cord Injury: Combined Inhibition of Necrosis and Apoptosis", *Turkish Neurosurgery*, vol. 26, no. 5, pp. 783-789, 2016.
- A23.** Altunrende M. E., Akçakaya M. O., "Posterior epidural lumbar disc fragment mimicking epidural mass", *Spine Journal*, vol. 15, no. 10, pp. 47-48, 2015.
- A24.** Aydoseli A., Akçakaya M. O., Aras Y., Sabancı P. A., Unal T. C., Sencer A., Hepgul K., Ünal Ö. F., Barlas O., Izgi N., "Neuronavigation-assisted percutaneous balloon compression for the treatment of trigeminal neuralgia: The technique and short-term clinical results", *British Journal of Neurosurgery*, vol. 29, no. 4, pp. 552-558, 2015.
- A25.** Akçakaya M. O., Aras Y., Izgi N., Gayretli Ö., Sabancı P. A., Aydoseli A., Gürses İ. A., Sencer A., Öztürk A., Hepgül K., "Fully endoscopic supraorbital keyhole approach to the anterior cranial base: A cadaveric study", *Journal of Neurosciences in Rural Practice*, vol. 6, no. 3, pp. 361-368, 2015.
- A26.** Sarıkafa Y., Akçakaya M. O., Sarıkafa Ş., Özkaya F., Akdemir O., Çelik S. E., "Intraventricular glioblastoma multiforme: Case report", *Neurocirugia*, vol. 26, no. 3, pp. 147-150, 2015.
- A27.** Akçakaya M. O., Bilgic B., Aras Y., Izgi N., "A malignant transformation of a spinal epidural mass from ganglioneuroblastoma to neuroblastoma", *Journal of Korean Neurosurgical Society*, vol. 57, no. 3, pp. 211-214, 2015.
- A28.** Sencer A., Akçakaya M. O., Başaran B., Yörükoğlu A. G., Aydoseli A., Aras Y., Şencan F., Şatana B., Aslan İ., Ünal Ö. F. vd., "Unilateral endoscopic optic nerve decompression for idiopathic intracranial hypertension: A series of 10 patients", *World Neurosurgery*, vol. 82, no. 5, pp. 745-750, 2014.
- A29.** Sencer A., Yörükoğlu A. G., Akçakaya M. O., Aras Y., Aydoseli A., Boyalı O., Şencan F., Sabancı P. A., Gömleksiz C., İmer M. vd., "Fully endoscopic interlaminar and transforaminal lumbar discectomy: Short-term clinical results of 163 surgically treated patients", *World Neurosurgery*, vol. 82, no. 5, pp. 884-890, 2014.
- A30.** Canpolat A., Akdemir O., Duman H., Karancı T., Yüceli Ş., Özlü H., Altunrende E., Akçakaya M. O., "Giant Rathke Cleft Cysts Report of Two Cases", *Journal of Neurological Sciences-Turkish*, vol. 31, no. 2, pp. 377-384, 2014.
- A31.** Canpolat A., Akçakaya M. O., Altunrende E., Özlü H. M., Duman H., Ton T., Akdemir O., "Chiari Type i malformation yielded to the diagnosis of Crouzon syndrome", *Journal of Neurosciences in Rural Practice*, vol. 5, no. 1, pp. 81-83, 2014.
- A32.** Altunrende M. E., Hamamcıoğlu M. K., Hiçdönmez T., Akçakaya M. O., Birgili B., Çobanoğlu S., "Microsurgical training model for residents to approach to the orbit and the optic nerve in fresh cadaveric sheep cranium", *Journal of Neurosciences in Rural Practice*, vol. 5, no. 2, pp. 151-154, 2014.
- A33.** Aras Y., Aydoseli A., Sabancı P. A., Akçakaya M. O., Alkır G., İmer M., "Functional outcomes after treatment of traumatic brachial plexus injuries: Clinical study Travmatik brakial plexus yaralanmaları{dotless} cerrahisi sonrası{dotless} fonksiyonel sonuçlar: Klinik çalı{dotless}ş ma", *Ulusal Travma ve Acil Cerrahi Dergisi*, vol. 19, no. 6, pp. 521-528, 2013.
- A34.** Shaban M., Aras Y., Aydoseli A., Akçakaya M. O., Sencer A., Bayındır Ç., Izgi N., "Effects of sodium hyaluronate and methylprednisolone alone or in combination in preventing epidural fibrosis", *Neurological Research*, vol. 35, no. 8, pp. 851-856, 2013.
- A35.** Ünal Ö. F., Aras Y., Aydoseli A., Akçakaya M. O., "Ascending transaqueductal cystoventriculoperitoneal shunting in dandy-walker malformation: Technical note", *Pediatric Neurosurgery*, vol. 48, no. 6, pp. 389-393, 2013.
- A36.** Aras Y., Akçakaya M. O., Aydoseli A., Izgi N., "Staged surgery for sylvian fissure meningiomas without dural attachment: Report of two cases", *Clinical Neurology and Neurosurgery*, vol. 115, no. 8, pp. 1527-1529, 2013.
- A37.** Akçakaya M. O., Shapira Y., Rochkind S., "Peroneal and tibial intraneural ganglion cysts in children", *Pediatric Neurosurgery*, vol. 49, no. 6, pp. 347-352, 2013.
- A38.** Akçakaya M. O., Yaka U., Aras Y., Aydoseli A., Sencer A., İmer M., Hepgul K., "Primary multiple cerebral hydatid disease: Still symptomatic despite pathologically confirmed death of the cyst", *Turkish Neurosurgery*, vol. 23, no. 4, pp. 505-508, 2013.

- A39.** Aydoseli A., Akçakaya M. O., Aras Y., Boyalı O., Ünal Ö. F., "Emergency management of an acute tension pneumocephalus following ventriculoperitoneal shunt surgery for normal pressure hydrocephalus", *Turkish Neurosurgery*, vol. 23, no. 4, pp. 564-567, 2013.
- A40.** Sencer A., Aydoseli A., Aras Y., Akçakaya M. O., Gömleksiz C., Can H., Canbolat A., "Effects of combined and individual use of N-methyl-D aspartate receptor antagonist magnesium sulphate and caspase-9 inhibitor z-LEDH-fmk in experimental spinal cord injury Sıçanlarda oluşturulan deneysel omurilik yaralanmasında N-metil D-aspartat reseptör antagonisti olan magnezyum sülfat ve kaspaz-9 inhibitörü olan z-LEDH-fmk'nın tek başına ve kombine kullanımlarındaki etkinliklerinin karşılaştırılması", *Ulusal Travma ve Acil Cerrahi Dergisi*, vol. 19, no. 4, pp. 313-319, 2013.
- A41.** Aras Y., Akçakaya M. O., Aydoseli A., Meral R., Kırış T., "Multiple atypical recurrent meningiomas 13 years after radiotherapy for unilateral retinoblastoma: Case report and review of the literature Mnogie atypowe nawrotowe oponiaki po 13 latach od radioterapii z powodu jednostronnego siatkówcza: Opis przypadku i przegląd piśmiennictwa", *Neurologia i Neurochirurgia Polska*, vol. 47, no. 1, pp. 80-85, 2013.
- A42.** Sencer A., Aras Y., Akçakaya M. O., Göker B., Kırış T., Canbolat A. T., "Posterior fossa epidural hematomas in children: Clinical experience with 40 cases. Clinical article", *Journal of Neurosurgery: Pediatrics*, vol. 9, no. 2, pp. 139-143, 2012.
- A43.** Akçakaya M. O., Aras Y., Yörükoğlu A. G., Ovalıoğlu C., Sencer A., "Cervical intradural glass fragment: A rare cause of neuropathic pain", *Turkish Neurosurgery*, vol. 22, no. 5, pp. 667-670, 2012.
- A44.** Aras Y., Akçakaya M. O., Unal S. N., Bilgic B., Ünal Ö. F., "Bone marrow necrosis secondary to imatinib usage, mimicking spinal metastasis on magnetic resonance imaging and FDG-PET/CT: Case report", *Journal of Neurosurgery: Spine*, vol. 16, no. 1, pp. 57-60, 2012.

D. Articles published in national peer-reviewed journals:

- D1.** Akçakaya M. O., Aşır A., Çömlek S., "EVALUATION OF THE EFFICACY OF PERCUTANEOUS CAUDAL AND COMBINED CAUDAL/TRANSFORAMINAL NEUROPLASTYADESIOLYSIS FOR TREATING SYMPTOMATIC LUMBAR SPINAL STENOSIS", *Journal of Turkish Spinal Surgery*, vol. 34, 2023.
- D2.** Çömlek S., Akçakaya M. O., Öztürk O., "ADDING EPIDURAL INJECTION TO VERTEBROPLASTY IMPROVES FUNCTION IN PATIENTS WITH VERTEBRAL COMPRESSION FRACTURE", *Journal of Turkish Spinal Surgery*, vol. 33, 2022.
- D3.** Göker B., Tahta A., Yörükoğlu A. G., Akçakaya M. O., Şencan F., Aydoseli A., Sencer A., Kırış T., Canbolat A. T., "Special designed routing device to ease endoscopic transforaminal lumbar disc surgery", *Journal of Turkish Spinal Surgery*, vol. 30, no. 3, pp. 211-221, 2019.
- D4.** Göker B., Akçakaya M. O., Hamamcıoğlu M. K., Kırış T., "Serebral vazospazm: Klinik izlem ve tedavi", *Türk Nöroşirürji Dergisi*, vol. 28, no. 1, pp. 119-123, 2018.
- D5.** Akçakaya M. O., Altunrende M. E., Navruz Y., Özlü H. M., Canpolat A., Akdemir O., "Epidermoid tumor of the fourth ventricle with accompanying congenital posterior arch defect of the atlas", *Sinir Sistemi Cerrahisi Dergisi*, vol. 6, pp. 47-51, 2018.
- D6.** Akçakaya M. O., Göker B., Kırış T., "Tedavi: Düşük dereceli gliomlarda reoperasyon-sonuç ilişkisi", *Türkiye Klinikleri Nöroşirürji - Özel Konular*, vol. 6, no. 3, pp. 76-82, 2017.
- D7.** Akçakaya M. O., Göker B., Kasımcıan M. Ö., Hamamcıoğlu M. K., Kırış T., "Schwannoma Benzeyen Brakiyal Pleksus'un Primer Maligın Tümörü", *Sinir Sistemi Cerrahisi Dergisi*, vol. 5, no. 1, pp. 86-91, 2015.