



CURRICULUM VITAE

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PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1.** Rakip U., Yıldızhan S., Canbek İ., Boyacı M. G., Korkmaz S., Kimsesiz O., Güzel A., Abdallah A., Aslan A., "Development and temporal validation of an odds ratio-weighted prognostic score (NPH-RKP) for idiopathic normal pressure hydrocephalus shunt surgery: a retrospective cohort study", *Journal of Clinical Neuroscience*, vol. 146, 2026.
- A2.** Boyacı M. G., Pektaş A., Topal F., Önen N., Pektaş B. M., "Impact of Kefir on the Gut–Brain Axis: Serotonin Metabolism and Signaling in Pediatric Rats", *Microorganisms*, vol. 13, no. 11, pp. 2536, 2025.
- A3.** Aslan E., Boyacı M. G., Güzel H., Pektaş M. B., "Better neuroprotective profile of caffeic acid phenyl ester over resveratrol in non-traumatic ischemia-reperfusion injury of the spinal cord", *British Journal of Neurosurgery*, vol. 38, no. 4, pp. 889-895, 2024.
- A4.** Akpınar Oruç O., Boyacı M. G., Özdiñç Ş., Çelik S., Aslan E., "Protective effect of valproic acid on ischemia-reperfusion induced spinal cord injury in a rat model", *Journal of Spinal Cord Medicine*, vol. 47, no. 5, pp. 775-782, 2024.
- A5.** Ekici Ö., Aslan E., Güzel H., Korkmaz Ö. A., Sadi G., Gürol A. M., Boyacı M. G., Pektaş M. B., "Kefir alters craniomandibular bone development in rats fed excess dose of high fructose corn syrup", *Journal of Bone and Mineral Metabolism*, vol. 40, pp. 56-65, 2022.
- A6.** Ertekin T., Boyacı M. G., Bilir A., Yücel A., Ertekin A., Turamanlar O., Duman R., "Optic nerve sheath diameter measurement: a means of detecting increased intracranial pressure in pseudotumor cerebri patients", *Folia Morphologica (Poland)*, vol. 81, no. 3, pp. 567-573, 2022.
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- A9.** Ulu Ş., Aslan A., Boyacı M. G., Kuzu S., "New Approach for Endoscopic Endonasal Transsphenoidal Pituitary Surgery: Modified Nasoseptal Rescue Flap", *Journal of Craniofacial Surgery*, vol. 32, no. 2, pp. 1-3, 2021.
- A10.** Turamanlar O., Horata E., Kaya F., Boyacı M. G., Kiyak O., Oren F. N., "Does Foramen Magnum Morphometry Influence the Development of Chiari Malformation?", *Turkish Neurosurgery*, vol. 31, no. 5, pp. 704-709, 2021.
- A11.** Demirel E., Özer Gökaslan Ç., Dilek O., Boyacı M. G., Korkmaz S., "Differential diagnosis of glioblastoma and solitary brain metastasis – the success of artificial intelligence models created with radiomics data obtained by automatic segmentation from conventional MRI sequences Diferenciální dia gnostika glioblastomu a solitárních metastáz mozku – úspěch modelů umělé inteligence vytvořených na základě radiomických dat získaných automatickou segmentací z konvenčních MR sekvencí", *Česká a slovenská neurologie a neurochirurgie*, vol. 117, no. 6, pp. 541-546, 2021.
- A12.** Aslan A., Rakip U., Boyacı M. G., Yıldızhan S., Kormaz S., Atay E., Coban N., "Posterior Fossa Decompression and superficial durotomy rather than complete durotomy and duraplasty in the management of Chiari 1", *Neurological Research*, vol. 43, no. 6, pp. 440-446, 2021.
- A13.** Yıldızhan S., Boyacı M. G., "Eksternal ventriküler drenaj sisteminin klinik etkileri, olası komplikasyonlari ve komplikasyon yönetimi", *Ege Tıp Bilimleri Dergisi*, vol. 3, no. 1, pp. 7-12, 2020.
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- A15.** Boyacı M. G., Fidan U., Yuran A. F., Yıldızhan S., Kaya F., Kimsesiz O., Ozdil M., Cengiz A., Aslan A., "Augmented Reality Supported Cervical Transpedicular Fixation on 3D-Printed Vertebrae Model: An Experimental Education Study", *Turkish*

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A20. Aslan A., Aydogmus A., Boyacı M. G., Buyukokuroglu M. E., Altunbas K., Keleş İ., Akyuz F., "Time-dependent effects of dantrolene on motor evoked potentials in experimental spinal cord injuries", *Neurological Research*, vol. 41, no. 9, pp. 802-810, 2019.

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A22. Boyacı M. G., Tünay K., Rakip U., Karademir M., Karavelioğlu E., "Ankylosing spondylitis: A cause of death after minor trauma La spondylarthrite ankylosante peut être une cause de décès après un traumatisme mineur", *Revue du Rhumatisme (Edition Francaise)*, vol. 84, no. 2, pp. 177, 2017.

A23. Boyacı M. G., Aslan A., Tünay K., Karademir M., Aydoğmuş A., "Spinal epidural hematoma due to tyre-blast injury: A case report", *Spine*, vol. 42, no. 2, pp. 125-127, 2017.

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A29. Karavelioğlu E., Boyacı M. G., Rakip U., Aydogmus A., "Sequestered lumbar disc fragment mimicking ventral epidural abscess", *Spine Journal*, vol. 15, no. 11, pp. 27-28, 2015.

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A34. Eser O., Tokyol Ç., Haktanır A., Boyacı M. G., "Extraventricular colloid cyst in the frontal lobe: Case report Frontal Lobda ektraventriküler kolloid kist", *Türkiye Klinikleri Journal of Medical Sciences*, vol. 32, no. 2, pp. 574-577, 2012.

A35. Eser B., Coşar M., Eser O., Özdemir Erdoğan M., Aslan A., Yıldız S. H., Boyacı M. G., Büyükbaş S., Solak M., "677C T and 1298A C polymorphisms metylenetetrahydrofolate reductase gene and biochemical parameters in Turkish population with spina bifida occulta", *Turkish Neurosurgery*, vol. 20, no. 1, pp. 9-15, 2010.

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A37. Cosar M., Eser O., Aslan A., Korkmaz S., Boyacı M. G., Aktepe F., "Intradiploic cavernous hemangioma of the skull in a child: a case report", *Child'xxx Nervous System*, vol. 24, no. 8, pp. 975-977, 2008.

D. Articles published in national peer-reviewed journals:

D1. Rakip U., Yıldızhan S., Canbek İ., Boyacı M. G., Korkmaz S., Kimsesiz Ö., Güzel A., Abdallah A., Aslan A., "Corrigendum to "Development and temporal validation of an odds ratio-weighted prognostic score (NPH-RKP) for idiopathic normal pressure

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- D2.** Canbek İ., Yıldızhan S., Boyacı M. G., Rakip U., Korkmaz S., Aslan A., Talaz H. H., Sarıkaş H. N., Günarslan İ., Souda A. vd., "KLİNİĞİMİZDE YETİŞKİN HASTALARA UYGULANAN SPİNAL CERRAHİLER SONRASI GELİŞEN PULMONER EMBOLİ İNSİDANSI", *Kocatepe Tıp Dergisi*, vol. 25, no. 1, pp. 43-47, 2024.
- D3.** Yıldızhan S., Aslan A., Boyacı M. G., Özer Gökaslan Ç., Rakip U., Kılınç K. A., "THE IMPORTANCE OF MAGNETIC RESONANCE SPECTROSCOPY IN THE DIFFERENTIAL DIAGNOSIS OF CRANIAL LESIONS AND ITS CORRELATION WITH PATHOLOGY RESULTS", *Kocatepe Tıp Dergisi*, vol. 23, no. 1, pp. 82-87, 2022.
- D4.** Yıldızhan S., Boyacı M. G., Aslan A., Rakip U., Canbek İ., Kıran L., "Comparison of neurosurgery, polyclinic and clinical applications with the last 5 years during the pandemic period", *Medicine Science | International Medical Journal*, vol. 10, no. 4, pp. 1259-1262, 2021.
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- D7.** Rakip U., Yıldızhan S., Boyacı M. G., Aslan A., "Morphometric measurements in thoracic vertebral fractures", *Medicine Science | International Medical Journal*, vol. 10, no. 1, pp. 92-97, 2021.
- D8.** Yıldızhan S., Boyacı M. G., "Dekompresif hemikraniyektomi gerekli mi? Ne zaman yapmalı?: Retrospektif çalışma", *Bozok Tıp Dergisi*, vol. 10, no. 3, pp. 65-71, 2020.
- D9.** Yıldızhan S., Boyacı M. G., Aslan A., "SURGICAL RESULT OF PATIENTS UNDERGOING POSTERIOR CERVICAL LAMINOTOMY : RETROSPECTIVE STUDY", *Kocatepe Tıp Dergisi*, 2020.
- D10.** Yıldızhan S., Boyacı M. G., Aslan A., "POSTERİOR SERVİKAL LAMİNOFORAMİNOTOMİ YAPILAN HASTALARIN CERRAHİ SONUÇLARI : RETROSPEKTİF ÇALIŞMA", *Kocatepe Tıp Dergisi*, vol. 21, no. 3, pp. 230-235, 2020.
- D11.** Yıldızhan S., Boyacı M. G., "DEKOMPRESİF HEMİKRAİNİKTOMİ GEREKLİ Mİ? NEZAMAN YAPMALI?: RETROSPEKTİF ÇALIŞMA", *Bozok Tıp Dergisi*, vol. 10, no. 3, pp. 65-71, 2020.
- D12.** Yıldızhan S., Boyacı M. G., "Clinical effects of external ventricular drainage system, potential complications and complication management", *Ege Tıp Bilimleri Dergisi*, vol. 3, no. 1, pp. 7-12, 2020.
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- D22.** Eser O., Ayçiçek A., Karavelioğlu E., Boyacı M. G., Yücedağ F., "Kolesteatom nedeniyle gelişen posterior fossa absesi olgu sunumu", *Van Tıp Dergisi*, vol. 19, no. 2, pp. 90-93, 2012.
- D23.** Eser O., Şahin Ö., Korkmaz S., Boyacı M. G., "Primary intracerebral lymphoma: Case report", *Journal of Clinical and Experimental Investigations*, vol. 3, no. 3, pp. 409-411, 2012.
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- D26.** Karavelioğlu E., Eser O., Boyacı M. G., Çelik B., "Arnold-Chiari malformasyonu: Literatür eşliğinde vaka tartışması", *Genel Tıp Dergisi*, vol. 21, no. 1, pp. 29-34, 2011.
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- D29.** Cosar M., Eser O., Aslan A., Korkmaz S., Boyacı M. G., Degirmenci B., Albayrak R., "Vertebral body pneumatocyst in the cervical spine and review of the literature", *TURKISH NEUROSURGERY*, vol. 18, no. 2, pp. 197-199, 2008.