



CURRICULUM VITAE

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Area of Expertise: Health Sciences

Supervised Doctoral Theses/Proficiency Studies in Arts:

1. GÖĞÜS AĞRISI İLE BAŞVURAN VE KORONER BT ANJİYOĞRAFİ ÇEKİLEN HASTALARDA PERİKORONER YAĞ DOKU ATENÜASYON İNDEKSİ İLE KAROTİS ARTERİNDEN YAPILAN PULSE WAVE VELOCITY ÖLÇÜMLERİ ARASINDAKİ İLİŞKİNİN DEĞERLENDİRİLMESİ (2026)

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1.** Eker Ç., Dağkiran M., Demirel E., Mete B., Arslantaş H. S., Kaya Ö., Kaya B., Onan E., Mohammadi N., Gedik M. M. vd., "Predictive Value of a Radiomics-Derived Risk Score for Local Progression in T3 Laryngeal Cancer: A 10-Year Single-Center Retrospective Cohort Study", *Journal of Clinical Medicine*, vol. 15, 2026.
- A2.** Dilek O., Demirel E., Karaaslan Erişen K., Özer Ulaş Z., Gökçe Turunç Ş., Taş Z. A., Özdemir G., Çil T., "Prognostic and diagnostic value of node-RADS before and after neoadjuvant therapy in locally advanced gastric cancer", *European Journal of Radiology*, vol. 194, 2026.
- A3.** Gül M. C., Demirel E., "Impact of Caudate Lobe Resection on Overall Survival and Liver Disease-Free Survival in Colorectal Liver Metastases: A Pilot Study", *TURKISH JOURNAL OF GASTROENTEROLOGY*, vol. 36, no. 7, pp. 459-466, 2025.
- A4.** Dilek O., Demirel E., Tas Z. A., Bılgın E., "Exploring the Role of Peritumoral Edema in Predicting Lung Cancer Subtypes Through T2-FLAIR Digital Subtraction Imaging of Metastatic Brain Tumors", *Diagnostics*, vol. 15, no. 10, 2025.
- A5.** Demirel E., Dilek O., "Utilizing Radiomics of Peri-Lesional Edema in T2-FLAIR Subtraction Digital Images to Distinguish High-Grade Glial Tumors From Brain Metastasis", *JOURNAL OF MAGNETIC RESONANCE IMAGING*, vol. 61, no. 4, pp. 10, 2025.
- A6.** Akkaya H., Demirel E., Dilek O., Akkaya T. D., Öztürkçü T., Karaaslan Erişen K., Tas Z. A., Bas S., Gülek B., "Ovarian-adnexal reporting and data system MRI scoring: diagnostic accuracy, interobserver agreement, and applicability to machine learning", *British Journal of Radiology*, vol. 98, no. 1166, pp. 254-261, 2025.
- A7.** Dilek O., Demirel E., Eyi B., Turunc S. G., Akkaya H., Tas Z. A., Ozdemir G., Cıl T., Soker G., "Dynamics of body composition in the treatment of locally advanced rectal cancer: the impact of adipose and muscle tissue on pathological response", *Revista da Associacao Medica Brasileira*, vol. 71, no. 10, 2025.
- A8.** Demirel E., Dilek O., "Can automated CT body composition analysis predict high-grade Clavien–Dindo complications in patients with RCC undergoing partial and radical nephrectomy?", *Scottish Medical Journal*, vol. 68, 2023.
- A9.** Demirel E., Dilek O., "A new finding for the obesity paradox? Evaluation of the relationship between muscle and adipose tissue in nuclear grade prediction in patients with clear cell renal cell carcinoma", *Acta Radiologica*, vol. 64, no. 4, pp. 1659-1667, 2023.
- A10.** Özer Gökaslan Ç., Gökaslan S., Demirel E., Şengül Ayan S., "Use of phase-contrast MRI to measure aortic stiffness in young-onset hypertension: A pilot study", *Cardiology in the Young*, vol. 33, no. 2, pp. 266-270, 2023.
- A11.** Demirel E., "Can TMT predict overall survival in patients with brain metastases from different primary malignancies as an indicator of sarcopenia? Is TMT a predictor of OS in metastatic brain disease?", *ANNALS OF CLINICAL AND ANALYTICAL MEDICINE*, vol. 14, pp. 297-300, 2023.

- A12.** Demirel E., Dilek O., "Relationship between body composition and PBRM1 mutations in clear cell renal cell carcinoma: a propensity score matching analysis", *Revista da Associacao Medica Brasileira*, vol. 69, no. 5, 2023.
- A13.** Korkmaz S., Demirel E., "Is sarcopenia a predictor of overall survival in primary IDH-wildtype GBM patients with and without MGMT promoter hypermethylation?", *NEUROLOGY ASIA*, vol. 28, 2023.
- A14.** Dilek O., Demirel E., Akkaya H., Belibagli M. C., Soker G., Gulek B., "Different chest CT scoring systems in patients with COVID-19: could baseline CT be a helpful tool in predicting survival in patients with matched ages and co-morbid conditions?", *Acta Radiologica*, vol. 63, no. 5, pp. 615-622, 2022.
- A15.** Kaya F., Konya P. Ş., Demirel E., Demirtürk N., Orhan S., Ufuk F., "Visual and quantitative assessment of covid-19 pneumonia on chest ct: The relationship with disease severity and clinical findings", *Current Medical Imaging*, vol. 17, no. 9, pp. 1142-1150, 2021.
- A16.** Demirel E., "The success of machine learning algorithms developed with radiomic features obtained from preoperative contrast-enhanced MRI in the prediction of short-term survival in patients with Glioblastoma", *CUKUROVA MEDICAL JOURNAL*, vol. 46, no. 2, pp. 706-713, 2021.
- A17.** Aslan E., Kaya F., Özgül E., Balcı A., Demirel E., Günay E., "Quantitative computed tomography analysis of emphysema severity and distribution in chronic obstructive lung disease, correlation with clinical findings Kronik obstrüktif akciğer hastalığında bilgisayarlı tomografide amfizem miktarı ve dağılımının kantitatif yöntemlerle değerlendirilmesi ve klinik bulguları ile korelasyonu", *Tuberkuloz ve Toraks*, vol. 69, no. 3, pp. 338-348, 2021.
- A18.** 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 diagnostika 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.
- A19.** Özer Gökaslan Ç., Aslan E., Demirel E., Yücel A., "Relationship of mesenteric panniculitis with visceral and subcutaneous adipose tissue", *Turkish Journal Of Medical Sciences*, vol. 13, no. 50, pp. 44-48, 2020.
- A20.** Özer Gökaslan Ç., Toprak U., Demirel E., Yardımcı A. H., Bektaş Turan C., "Schwannomas of uncommon peripheral locations: Analysis of imaging findings of 21 cases", *Current Medical Imaging Formerly Current Medical Imaging Reviews*, vol. 15, no. 6, pp. 578-584, 2019.
- A21.** Gökaslan S., Özer Gökaslan Ç., Demirel E., Çelik S., "Role of aortic stiffness and inflammation in the etiology of young-onset hypertension", *Turkish Journal Of Medical Sciences*, vol. 49, no. 6, pp. 1748-1753, 2019.

B. Papers presented at international scientific meetings and published in proceedings:

- B1.** Demirel E., Özer Gökaslan Ç., Sinonasal schwannomas: A case series and review., In: *Turkish Society of Magnetic Resonance 23rd Annual Meeting. Eurasian J Med 2018*, Türkiye, 2018.

C. National/international books written or chapters in books:

C2. Chapters in national/international books written:

- C2.1.** Demirel E., Özer Gökaslan Ç., "Kolonorektal Kanserlerin Karaciğer Metastazlarında Neoadjuvan Tedavi Öncesi ve Sonrası Radyolojik Değerlendirme", *Solid Organların Metastatik Tümörlerinde Multidisipliner Yaklaşımlar - 2025*, Türkiye Klinikleri Genel Cerrahi Özel Konular, 2025.

D. Articles published in national peer-reviewed journals:

- D1.** Demirel E., Özer Gökaslan Ç., "Radiomics Feature-Based Machine Learning For Preoperative Grading Of Meningiomas: A Study Using Automl", *Kocatepe Tıp Dergisi*, vol. 26, no. 2, pp. 168-173, 2025.
- D2.** Korkmaz S., Demirel E., "The success of volumetric means ADC in predicting MGMT promoter hypermethylation in glioblastomas", *Journal of Health Sciences and Medicine*, vol. 6, 2023.

E. Papers presented at national scientific meetings and published in proceedings:

- E1.** Özer Gökaslan Ç., Demirel E., Pulmoner Tromboemboli Yaygınlığı Belirlenmesinde ve Prognoz Tahmininde Yeni bir Skorlama Sistemi, In: *39. Ulusal Radyoloji Kongresi, 2018*, Türkiye, 2018.
- E2.** Demirel E., Kaçar E., İnceoğlu C., Aslan E., Zengin B., Özer Gökaslan Ç., Fatal bir olgu: Spontan mesane rüptürü ve eşlikçi enfekte intraabdominal hematoma, In: *Ulusal radyoloji Kongresi, 2018*, Türkiye, 2018.
- E3.** Demirel E., Özer Gökaslan Ç., Aslan E., Yolalan R., Nadir bir posterior fossa anomalisi: Rombensefalosinapsis, In: *Ulusal radyoloji Kongresi, 2018*, Türkiye, 2018.
- E4.** Demirel E., Özer Gökaslan Ç., Aslan E., Yolalan R., Rastantsal olarak tespit edilen asemptomatik sağ aortik ark ve ayna görüntü dallanması olgusu, In: *Ulusal Radyoloji Kongresi*, Türkiye, 2018.

- E5.** Demirel E., Kaya F., Yolalan R., Özer Gökaslan Ç., Tuberosklerozlu olguda renal anjiyomyolipoma bleomisin-TAKE sonrası akut bleomisin toksisitesi, In: *Ulusal Radyoloji Kongresi*, Türkiye, 2018.
- E6.** Demirel E., Kaçar E., Özer Gökaslan Ç., Aslan E., İlginç bir olgu: Semptomsuz Olguda Dev Araknoid Kist, In: *Ulusal Radyoloji Kongresi,2018*, Türkiye, 2018.
- E7.** Demirel E., Özer Gökaslan Ç., Kaçar E., Aslan E., İntestinal obstruksiyonun nadir bir sebebi annüler pankreas, In: *Ulusal Radyoloji Kongresi,2018*, Türkiye, 2018.
- E8.** Demirel E., Aslan E., Özer Gökaslan Ç., Yolalan R., Koroner arter hastalığına yönelik yapılan kardiyak BT’de rastlanan çift arkus aorta, In: *Ulusal Radyoloji Kongresi, 2018*, Türkiye, 2018.