

## Prof. Ercan KARAARSLAN

### Personal Information

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### International Researcher IDs

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### Education Information

Expertise In Medicine, Istanbul University, Cerrahpaşa Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 1991 - 1996

### Foreign Languages

English, C1 Advanced

### Research Areas

Medicine

### Academic Titles / Tasks

Professor, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2008 - Continues

### Courses

KAS İSKELET SİSTEMİ RADYOLOJİSİ , Undergraduate, 2023 - 2024

Kas iskelet sistemi , Undergraduate, 2022 - 2023

### Advising Theses

Karaarslan E., Radikal Prostatektomili Olgularda Multiparametrik Prostat MR ve PSMA Galyum PET-BT Sonuçlarını Karşılaştırma, Füzyon PSMA PET-MR'in Taniya Katkısını Araştırma, Expertise In Medicine, A.ARSLAN(Student), 2019

### Published journal articles indexed by SCI, SSCI, and AHCI

1. **Quantitative evaluation of Saliency-Based Explainable artificial intelligence (XAI) methods in Deep Learning-Based mammogram analysis**  
Cerekci E., ALİS D. C., Denizoglu N., Camurdan O., Seker M. E., Özer C., Hansu M. Y., Tanyel T., Öksüz İ., KARAARSLAN

E.

EUROPEAN JOURNAL OF RADIOLOGY, vol.173, 2024 (SCI-Expanded)

- II. **Anatomically guided self-adapting deep neural network for clinically significant prostate cancer detection on bi-parametric MRI: a multi-center study**  
Karagoz A., ALİS D. C., Seker M. E., Zeybel G., Yergin M., Öksüz İ., KARAARSLAN E.  
INSIGHTS INTO IMAGING, vol.14, no.1, 2023 (SCI-Expanded)
- III. **Automated LVO detection and collateral scoring on CTA using a 3D self-configuring object detection network: a multi-center study**  
Bagcilar O., ALİS D. C., Alis C., Seker M. E., Yergin M., Ustundag A., Hikmet E., Tezcan A., Polat G., Akkus A. T., et al.  
SCIENTIFIC REPORTS, vol.13, no.1, 2023 (SCI-Expanded)
- IV. **Inter-reader agreement of the prostate imaging quality (PI-QUAL) score for basic readers in prostate MRI: A multi-center study**  
Basar Y., ALİS D. C., Seker M. E., Kartal M. S., Guroz B., Arslan A., Sirolu S., Kurtcan S., Denizoglu N., KARAARSLAN E.  
EUROPEAN JOURNAL OF RADIOLOGY, vol.165, 2023 (SCI-Expanded)
- V. **Deep learning for assessing image quality in bi-parametric prostate MRI: A feasibility study**  
ALİS D. C., Kartal M. S., Seker M. E., Guroz B., Basar Y., Arslan A., Sirolu S., Kurtcan S., Denizoglu N., Tuzun U., et al.  
EUROPEAN JOURNAL OF RADIOLOGY, vol.165, 2023 (SCI-Expanded)
- VI. **The Role of Whole-Body Magnetic Resonance Imaging in Assessing Extrapulmonary Metastases in Osteosarcoma Staging and Restaging: A Pilot Study.**  
Karaarslan E., Alis D. C., Basar Y., Kumbasar B., Kalayci C. B., Alpan B., Ozger H.  
Journal of computer assisted tomography, vol.47, no.4, pp.629-636, 2023 (SCI-Expanded)
- VII. **Does deep learning software improve the consistency and performance of radiologists with various levels of experience in assessing bi-parametric prostate MRI?**  
Arslan A., ALİS D. C., Erdemli S., Seker M. E., Zeybel G., Sirolu S., Kurtcan S., KARAARSLAN E.  
INSIGHTS INTO IMAGING, no.1, 2023 (SCI-Expanded)
- VIII. **Cribriform Pattern of The Prostate Adenocarcinoma: Sensitivity of Multiparametric MRI**  
Tuna M. B., Arslan A., Kök Y. B., Doganca T., ARGUN Ö. B., TÜFEK İ., Pirdal B. Z., SAĞLİCAN Y., ÖBEK C., KARAARSLAN E., et al.  
Urology Journal, vol.20, no.1, pp.34-40, 2023 (SCI-Expanded)
- IX. **The analysis of F-18-FDG PET/MRI, electroencephalography, and semiology in patients with gray matter heterotopia: A pilot study**  
Alis C., ALİS D. C., USLU BEŞLİ R. L., KARAARSLAN E., SÖNMEZOĞLU K., ÖZKARA Ç., Yeni S. N.  
ACTA NEUROLOGICA SCANDINAVICA, vol.146, no.5, pp.662-670, 2022 (SCI-Expanded)
- X. **Prevalence of benign bone lesions of the lower extremity in the pediatric spinal disorders: a whole-body imaging study**  
Yucekul A., Karaytug K., Bakircioglu S., Zulemyan T., Sirin B. K., Karaarslan E., Yilgor C., Alanay A.  
JOURNAL OF PEDIATRIC ORTHOPAEDICS-PART B, vol.31, no.6, pp.583-590, 2022 (SCI-Expanded)
- XI. **Comparing the Diagnostic Performance of Multiparametric Prostate MRI Versus 68Ga-PSMA PET-CT in the Evaluation Lymph Node Involvement and Extraprostatic Extension.**  
Arslan A., Karaarslan E., Güner A. L., Sağlıcan Y., Tuna M. B., Kural A. R.  
Academic radiology, vol.29, no.5, pp.698-704, 2022 (SCI-Expanded)
- XII. **A Review on Cutaneous and Musculoskeletal Manifestations of CLOVES Syndrome.**  
Öztürk Durmaz E., Demircioğlu D., Dikmen P., Alanay Y., Alanay A., Demirkesen C., Tokat F., Karaarslan E.  
Clinical, cosmetic and investigational dermatology, vol.15, pp.621-630, 2022 (SCI-Expanded)
- XIII. **A joint convolutional-recurrent neural network with an attention mechanism for detecting intracranial hemorrhage on noncontrast head CT**  
ALİS D. C., Alis C., Yergin M., Topel C., Asmakutlu O., Bagcilar O., Senli Y. D., ÜSTÜNDAĞ A., SALT V., Dogan S., et al.  
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (SCI-Expanded)
- XIV. **A Comparative Study of Multiparametric MRI Sequences in Measuring Prostate Cancer Index Lesion Volume**  
Bagcilar O., ALİS D. C., Seker M., Erdemli S., Karaarslan U., ALTAN KUŞ A., Kayhan C., SAĞLİCAN Y., KURAL A. R.,

KARAARSLAN E.

JOURNAL OF THE BELGIAN SOCIETY OF RADIOLOGY, vol.106, no.1, 2022 (SCI-Expanded)

- XV. **Performance of apparent diffusion coefficient values and ratios for the prediction of prostate cancer aggressiveness across different MRI acquisition settings.**  
Karaarslan E., Altan Kus A., Alis D., Karaarslan U. C., Saglican Y., Argun O. B., Kural A. R.  
Diagnostic and interventional radiology (Ankara, Turkey), vol.28, no.1, pp.12-20, 2022 (SCI-Expanded)
- XVI. **Association between left ventricular strain and cardiac iron load in beta-thalassaemia major: a cardiac magnetic resonance study.**  
Alis D. C., Asmakutlu O., Topel C., Sahin A. A., Karaarslan E.  
Acta cardiologica, vol.77, no.1, pp.71-80, 2022 (SCI-Expanded)
- XVII. **Third-Generation Dual-Source Computed Tomography for Coronary Angiography With Individually Tailored Scan Protocols Can Achieve a Low Radiation Dose With Good Image Quality in Unselected Patients**  
Basar Y., AKBAŞ T., ALİS D. C., Ulus S., Topel C., Sanli D. E. T., KARAARSLAN E.  
JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY, vol.46, no.1, pp.41-49, 2022 (SCI-Expanded)
- XVIII. **Risk of symptomatic radiation necrosis in patients treated with stereotactic radiosurgery for brain metastases.**  
Sayan M., Şahin B., Mustafayev T., Kefelioğlu E., Vergalasova I., Gupta A., Balmuk A., Güngör G., Ohri N., Weiner J., et al.  
Neurocirugia (Asturias, Spain), vol.32, pp.261-267, 2021 (SCI-Expanded)
- XIX. **Does vertebral body tethering cause disc and facet joint degeneration? A preliminary MRI study with minimum two years follow-up**  
Yucekul A., Akpunarli B., Durbas A., Zulemyan T., Havlucu I., Ergene G., Senay S., Dikmen P., Balci S. T., Karaarslan E., et al.  
SPINE JOURNAL, vol.21, no.11, pp.1793-1801, 2021 (SCI-Expanded)
- XX. **The diagnostic contribution of intracranial vessel wall imaging in the differentiation of primary angiitis of the central nervous system from other intracranial vasculopathies**  
Karaman A. K., KORKMAZER B., ARSLAN S., UYGUNOĞLU U., KARAARSLAN E., KIZILKILIÇ O., KOÇER N., IŞLAK C.  
NEURORADIOLOGY, vol.63, no.10, pp.1635-1644, 2021 (SCI-Expanded)
- XXI. **Inter-vendor performance of deep learning in segmenting acute ischemic lesions on diffusion-weighted imaging: a multicenter study**  
ALİS D. C., Yergin M., ALİŞ C., Topel C., Asmakutlu O., Bağcılar O., Senli Y. D., ÜSTÜNDAĞ A., SALT V., Dogan S., et al.  
SCIENTIFIC REPORTS, vol.11, no.1, 2021 (SCI-Expanded)
- XXII. **The visibility of prostate cancer concerning underlying histopathological variances: A single-center multiparametric magnetic resonance imaging study.**  
Arslan A., Alis D. C., Tuna M. B., Sağlıcan Y., Kural A. R., Karaarslan E.  
European journal of radiology, vol.141, pp.109791, 2021 (SCI-Expanded)
- XXIII. **The influence of cardiac motion on radiomics features: radiomics features of non-enhanced CMR cine images greatly vary through the cardiac cycle**  
Alis D. C., Yergin M., Asmakutlu O., Topel C., KARAARSLAN E.  
EUROPEAN RADIOLOGY, vol.31, no.5, pp.2706-2715, 2021 (SCI-Expanded)
- XXIV. **Diagnostic value of left atrial strain in pediatric hypertrophic cardiomyopathy with normal maximum left atrial volume index: preliminary cardiac magnetic resonance study.**  
Alis D. C., Asmakutlu O., Topel C., Karaarslan E.  
Pediatric radiology, vol.51, no.4, pp.594-604, 2021 (SCI-Expanded)
- XXV. **Does Employing a Flowchart Improve the Diagnostic Performance of Cardiac Magnetic Resonance Imaging in Left Ventricular Noncompaction?**  
ALİS D. C., BAĞCILAR Ö., Asmakutlu O., Topel C., BAĞCILAR Y. D., Sahin A., Gurbak I., KARAARSLAN E.  
ACTA CARDIOLOGICA SINICA, vol.37, no.2, pp.166-176, 2021 (SCI-Expanded)
- XXVI. **Comparison of MRI, PSMA PET/CT, and Fusion PSMA PET/MRI for Detection of Clinically Significant Prostate Cancer.**

- Arslan A., Karaarslan E., Guner A. L., Saglican Y., Tuna M. B., Ozisik O., Kural A. R.  
Journal of computer assisted tomography, vol.45, no.2, pp.210-217, 2021 (SCI-Expanded)
- XXVII. **Whole-body MRI for preventive health screening: Management strategies and clinical implications.**  
Basar Y., Alis D. C., Tekcan Sanli D. E., Akbas T., Karaarslan E.  
European journal of radiology, vol.137, pp.109584, 2021 (SCI-Expanded)
- XXVIII. **Benign leiomyoma with multiple metastases to vertebrae and calvarium: An index case with comprehensive review of endocrine targets**  
Elmaci I., Altinoz M., Ozlu B., Sari R., Er O., Danyeli A., Karaarslan E.  
NEUROSURGICAL REVIEW, vol.44, no.1, pp.289-300, 2021 (SCI-Expanded)
- XXIX. **Brain MRI findings in patients in the intensive care unit with COVID-19 infection**  
Kandemirli S. G., Dogan L., SARIKAYA Z. T., KARA S., Akinci C., KAYA D., KAYA D., Yildirim D., Tuzuner F., Yildirim M. S., et al.  
Radiology, vol.297, no.1, 2020 (SCI-Expanded)
- XXX. **Multicenter Multireader Evaluation of an Artificial Intelligence-Based Attention Mapping System for the Detection of Prostate Cancer With Multiparametric MRI**  
Mehralivand S., Harmon S. A., Shih J. H., Smith C. P., Lay N., ARGUN Ö. B., Bednarova S., Baroni R. H., Canda A. E., Ercan K., et al.  
AMERICAN JOURNAL OF ROENTGENOLOGY, vol.215, no.4, pp.903-912, 2020 (SCI-Expanded)
- XXXI. **Imaging Spectrum of TIPIC Syndrome : Validation of a new Entity with Vessel Wall Imaging.**  
Ulus S., Aksoy O., Arslan A., Buturak A., Dincer A., Kara S., Karaarslan E.  
Clinical neuroradiology, vol.30, pp.145-157, 2020 (SCI-Expanded)
- XXXII. **Dealing with the gray zones in the management of gastric cancer: The consensus statement of the Istanbul Group**  
AYTAÇ E., Aslan F., ÇİÇEK B., Erdamar S., Gurses B., GÜVEN K., Falay O., KARAHASANOĞLU T., Selcukbiricik F., Selek U., et al.  
TURKISH JOURNAL OF GASTROENTEROLOGY, no.7, pp.584-598, 2019 (SCI-Expanded)
- XXXIII. **p.Ser348Cys mutation in FGFR3 gene leads to "Mild ACH /Severe HCH" phenotype.**  
Bengur F., Ekmekci C., Karaarslan E., Gunoz H., Alanay Y.  
European journal of medical genetics, pp.103659, 2019 (SCI-Expanded)
- XXXIV. **De Novo Vascular Lesions After Liver Transplant in a Case With Hereditary Hemorrhagic Telangiectasia and Fibropolycystic Liver Disease: Long-Term Follow-Up With Magnetic Resonance Imaging and Magnetic Resonance Angiography**  
Ulus S., Arslan A., Karaarslan E., Cakaloglu Y.  
EXPERIMENTAL AND CLINICAL TRANSPLANTATION, vol.17, no.1, pp.115-118, 2019 (SCI-Expanded)
- XXXV. **Can computer-aided diagnosis assist in the identification of prostate cancer on prostate MRI? a multi-center, multi-reader investigation.**  
Gaur S., Lay N., Harmon S., Doddakashi S., Mehralivand S., Argun B., Barrett T., Bednarova S., Girometti R., Karaarslan E., et al.  
Oncotarget, vol.9, pp.33804-33817, 2018 (SCI-Expanded)
- XXXVI. **Trigeminal neuralgia caused by a venous angioma: The neuroimaging and surgical findings**  
Aydan A., Sila U., Mehmet B. Z., Ercan K.  
NEUROLOGY INDIA, vol.66, no.3, pp.852-853, 2018 (SCI-Expanded)
- XXXVII. **Parieto-occipital alopecia in early infancy mandates cranial imaging**  
Tuc E., KARAARSLAN E., Celik I., ALANAY Y.  
CLINICAL DYSMORPHOLOGY, vol.27, no.1, pp.15-17, 2018 (SCI-Expanded)
- XXXVIII. **Cocaine-induced multifocal leukoencephalopathy mimicking Balo's concentric sclerosis: A 2-year follow-up with serial imaging of a single patient**  
Sagduyu K., Yalinay D., Karaarslan E.  
MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.19, pp.96-98, 2018 (SCI-Expanded)
- XXXIX. **A Chance fracture and accompanying injuries secondary to seat belt trauma in childhood**  
Damar C., Ozbayrak M., Suleyman E., Yazol M., KARAARSLAN E.

- SPINE JOURNAL, vol.16, no.10, 2016 (SCI-Expanded)
- XL. **F-18-fluorodeoxyglucose-positron emission tomography avid paraspinal soft-tissue mass mimicking a malign neoplasm: non-traumatic myositis ossificans**  
Ozbayrak M., Guner A. L., Unal V. S., Tokat F., Er O., Karaarslan E.  
SPINE JOURNAL, vol.16, no.10, 2016 (SCI-Expanded)
- XLI. **Life-threatening retropharyngeal fluid collection after whiplash-type injury of the cervical spine**  
Damar C., Ozbayrak M., Suleyman E., Yazol M., KARAARSLAN E.  
SPINE JOURNAL, vol.16, no.4, 2016 (SCI-Expanded)
- XLII. **Atypical pyogenic brain abscess evaluation by diffusion-weighted imaging: diagnosis with multimodality MR imaging.**  
Ozbayrak M., Ulus O. S., Berkman M. Z., Kocagoz S., Karaarslan E.  
Japanese journal of radiology, vol.33, no.10, pp.668-71, 2015 (SCI-Expanded)
- XLIII. **Reliability of high-pitch ultra-low-dose paranasal sinus computed tomography for evaluating paranasal sinus anatomy and sinus disease.**  
Aksoy E., Ozden S. U., Karaarslan E., Unal O. F., Tanyeri H.  
The Journal of craniofacial surgery, vol.25, no.5, pp.1801-4, 2014 (SCI-Expanded)
- XLIV. **A new method for computer-assisted detection, definition and differentiation of the urinary calculi**  
Yildirim D., Ozturk O., Tutar O., Nurili F., Bozkurt H., KAYADİBİ H., KARAARSLAN E., Bakan S.  
RENAL FAILURE, vol.36, no.8, pp.1278-1282, 2014 (SCI-Expanded)
- XLV. **Diagnostic Value of Strain Echocardiography, Galectin-3, and Tenascin-C Levels for the Identification of Patients with Pulmonary and Cardiac Sarcoidosis**  
Kul Ş., Ozcelik H. K., Uyarel H., KARAKUS G., Guvenc T. S., Yalcinsoy M., Asoglu E., Kemik A. S., Tasal A., Gungor S., et al.  
LUNG, vol.192, no.4, pp.533-542, 2014 (SCI-Expanded)
- XLVI. **SIMPLE ELECTRODIAGNOSTIC METHOD FOR MORTON NEUROMA**  
Aydinlar E., Uzun M., Beksac B., Ozden V. E., Karaarslan E., Oge A. E.  
MUSCLE & NERVE, vol.49, no.2, pp.193-197, 2014 (SCI-Expanded)
- XLVII. **Evaluation of testicular tumour calcification with digital orchigraphy.**  
Ozcan U. A., Saglican Y., Yildiz M. E., Yildirim Y., Ozveri H., Ocak F., Karaarslan E.  
European radiology, vol.23, no.11, pp.3178-84, 2013 (SCI-Expanded)
- XLVIII. **Estimated radiation dose and image quality comparison of the scan protocols in dual-source computed tomography coronary angiography**  
Karaarslan E., Ulus S., Bavbek C.  
JOURNAL OF MEDICAL IMAGING AND RADIATION ONCOLOGY, vol.57, no.4, pp.407-414, 2013 (SCI-Expanded)
- XLIX. **Giant Extraarticular Pigmented Villonodular Tenosynovitis; TWIST-MRA Findings**  
Ulus S., Karaarslan E., Ozger H., Alpan B., Bilgic B.  
BALKAN MEDICAL JOURNAL, vol.30, no.2, pp.255-256, 2013 (SCI-Expanded)
- L. **Groove (paraduodenal) pancreatitis: Report of two cases**  
Cicek B., Erguner I., Kara F., Karaaslan E., Saruc M., Tiftikci A., Vardareli E., Tozun N.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.24, no.2, pp.173-177, 2013 (SCI-Expanded)
- LI. **Perineural cyst presenting like cubital tunnel syndrome.**  
Bayrakli F., Kurtuncu M., Karaarslan E., Ozgen S.  
European spine journal : official publication of the European Spine Society, the European Spinal Deformity Society, and the European Section of the Cervical Spine Research Society, 2012 (SCI-Expanded)
- LII. **Imaging findings after fascial injection of tetanus vaccine**  
Yildirim D., Gurses B., Tamam C., Karaaslan E., Ersen A., Ince Ü.  
MEDICAL ULTRASONOGRAPHY, vol.13, no.2, pp.161-164, 2011 (SCI-Expanded)
- LIII. **Diffusion weighted MR imaging in non-infarct lesions of the brain**  
Karaarslan E., ARSLAN A.  
EUROPEAN JOURNAL OF RADIOLOGY, vol.65, no.3, pp.402-416, 2008 (SCI-Expanded)
- LIV. **Recurrent radiculopathy caused by epidural gas after spinal surgery - Report of four cases and**

## **literature review**

Sasani M., Ozer A. F., Oktenoglu T., Cosar M., Karaarslan E., Sarioglu A. C.  
SPINE, vol.32, no.10, 2007 (SCI-Expanded)

- LIV. **CT findings in epiploic appendagitis.**  
Ozkurt H., Karatağ O., Karaarslan E., Rozanes I., Basak M., Bavbek C.  
Surgery, vol.141, pp.530-2, 2007 (SCI-Expanded)
- LVI. **Clinical and CT findings of epiploic appendagitis within an inguinal hernia**  
Özkurt H., KARATAĞ O., Karaarslan E., Başak M.  
DIAGNOSTIC AND INTERVENTIONAL RADIOLOGY, vol.13, no.1, pp.23-25, 2007 (SCI-Expanded)
- LVII. **Clinical and CT findings of epiploic appendagitis within an inguinal hernia.**  
Ozkurt H., Karatağ O., Karaarslan E., Başak M.  
Diagnostic and interventional radiology (Ankara, Turkey), vol.13, pp.23-5, 2007 (SCI-Expanded)
- LVIII. **Preserving the ligamentum flavum in lumbar discotomy: A new technique that prevents scar tissue formation in the first 6 months postsurgery**  
Ozer A. F., Oktenoglu T., Sasani M., Bozkus H., Canbulat N., Karaarslan E., Sungurlu S. F., Sarioglu A. C.  
NEUROSURGERY, vol.59, no.1, pp.126-132, 2006 (SCI-Expanded)
- LIX. **Radiology quiz case 1: Melanotic-type mucosal malignant melanoma (MMM)**  
Genc E., Karaarslan E., Hanci D., Ergin T., Peker K.  
ARCHIVES OF OTOLARYNGOLOGY-HEAD & NECK SURGERY, vol.131, no.11, pp.1023-1024, 2005 (SCI-Expanded)
- LX. **A rare case of splenic infarct presenting with acute abdominal pain due to polyarteritis nodosa: case report and review of the literature.**  
Kabaoğlu B., Coşkun H., Yanar H., Karaarslan E., Yaltı T.  
Ulusal travma ve acil cerrahi dergisi = Turkish journal of trauma & emergency surgery : TJTES, vol.11, pp.242-6, 2005 (SCI-Expanded)
- LXI. **ROI measurement of the signal intensity of precentral cortex in the normal brain**  
KARAARSLAN E., Arslan A.  
EUROPEAN JOURNAL OF RADIOLOGY, vol.52, no.3, pp.221-223, 2004 (SCI-Expanded)
- LXII. **Radiology quiz case 2 - Diagnosis: Hypervascular vagal schwannoma mimicking paraganglioma**  
Genc E., Ergin N., Karaarslan E., Peker K.  
ARCHIVES OF OTOLARYNGOLOGY-HEAD & NECK SURGERY, vol.130, no.11, pp.1341-1343, 2004 (SCI-Expanded)
- LXIII. **Spontaneous involution of a non-optic astrocytoma in neurofibromatosis type I: Serial magnetic resonance imaging evaluation**  
Cakirer S., Karaarslan E.  
ACTA RADIOLOGICA, vol.45, no.6, pp.669-673, 2004 (SCI-Expanded)
- LXIV. **Infantile Refsum disease: Case report**  
Choksi V., Hoeffner E., Karaarslan E., Yalcinkaya C., Cakirer S.  
AMERICAN JOURNAL OF NEURORADIOLOGY, vol.24, no.10, pp.2082-2084, 2003 (SCI-Expanded)
- LXV. **Aortic arch origin of the left external carotid artery**  
Cakirer S., Karaarslan E.  
AMERICAN JOURNAL OF NEURORADIOLOGY, vol.24, no.7, pp.1492, 2003 (SCI-Expanded)
- LXVI. **Perirolandic cortex of the normal brain: Low signal intensity on turbo FLAIR MR images**  
Karaarslan E., Arslan A.  
RADIOLOGY, vol.227, no.2, pp.538-541, 2003 (SCI-Expanded)
- LXVII. **Separate origins of the left internal and external carotid arteries from the aortic arch: MR angiographic findings**  
Cakirer S., Karaarslan E., Kayabali M., Rozanes I.  
AMERICAN JOURNAL OF NEURORADIOLOGY, vol.23, no.9, pp.1600-1602, 2002 (SCI-Expanded)
- LXVIII. **Balo's concentric sclerosis: Clinical and radiologic features of five cases**  
KARAARSLAN E., Altintas A., ŞENOL A. U., YENİ S. N., Dincer A., Bayindir C., Karaagac N., SİVA A.  
AMERICAN JOURNAL OF NEURORADIOLOGY, vol.22, no.7, pp.1362-1367, 2001 (SCI-Expanded)
- LXIX. **High intensity signal of the posterior pituitary - A study with horizontal direction of frequency-**

## **encoding and fat suppression MR techniques**

Arslan A., Karaarslan E., Dincer A.

ACTA RADIOLOGICA, vol.40, no.2, pp.142-145, 1999 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Multiple Military Osteoma Cutis: Report of a Case and a Brief Review of the Literature.**  
Demircioğlu D., Durmaz E. Ö., Karaarslan E., Demirkesen C.  
Skinmed, vol.20, no.6, pp.469-471, 2022 (Scopus)
- II. **Revisiting imaging features of rectosigmoid vascular malformation with emphasis on multiparametric MRI: a case report**  
Erdemli S., ALİS D. C., Cicek B., Goksel S., KARAHASANOĞLU T., KARAARSLAN E.  
EGYPTIAN JOURNAL OF RADIOLOGY AND NUCLEAR MEDICINE, vol.53, no.1, 2022 (ESCI)
- III. **Management of symptomatic radiation necrosis after stereotactic radiosurgery and clinical factors for treatment response.**  
Sayan M., Mustafayev T. Z., Balmuk A., Mamidanna S., Kefelioglu E. S. S., GUNGOR G., Chundury A., Ohri N., KARAARSLAN E., ÖZYAR E., et al.  
Radiation oncology journal, vol.38, no.3, pp.176-180, 2020 (Peer-Reviewed Journal)
- IV. **A case of ruptured arachnoid cyst complicated with intracranial hypotension.**  
Aydımlar E., Koşak S., Yalınay Dikmen P., Karaarslan E., Berkman M. Z.  
Türkiye Klinikleri Journal of Case Reports, vol.27, no.4, pp.231-235, 2019 (Peer-Reviewed Journal)
- V. **Micro-dose Paranasal Computed Tomography is Valuable When Evaluating Diseases of the Paranasal Sinuses**  
Ozbayrak M., Ertas B., Ulus O. S., Ozdilek A., Karaarslan E.  
HASEKI TIP BULTENI-MEDICAL BULLETIN OF HASEKI, vol.57, no.2, pp.142-146, 2019 (Peer-Reviewed Journal)
- VI. **A rare case of paratesticular leiomyoma in a child**  
Arslan A., Ulus S., İnce Ü., Tekant G., Karaarslan E.  
TURKISH JOURNAL OF UROLOGY, vol.45, no.2, pp.154-156, 2019 (Peer-Reviewed Journal)
- VII. **Whole-Body MRI Screening in Asymptomatic Subjects; Preliminary Experience and Long-Term Follow-Up Findings**  
Ulus S., Suleyman E., Ozcan U. A., Karaarslan E.  
POLISH JOURNAL OF RADIOLOGY, vol.81, pp.407-414, 2016 (Peer-Reviewed Journal)
- VIII. **Retropharyngeal calcific tendinitis: Report of two cases.**  
Yaylacı S., Öztürk T., Aksoy E., Koçyigit A., Yılmaz A., Karaarslan E.  
Journal of emergencies, trauma, and shock, vol.8, pp.119-120, 2015 (Peer-Reviewed Journal)
- IX. **MRI of ischemic fasciitis**  
Ulus Buturak Ö. S., Karaarslan E., Sağlıcan Y., Yakupoğlu A.  
Indian Journal of Radiology Imaging, vol.21, no.2, pp.111-112, 2011 (Peer-Reviewed Journal)
- X. **Kardiyak Lenfoma Olgu Sunumu ve Derleme**  
ÖKTEN E. M., Şahin S., GÜLLÜ A. Ü., Öztürk A., TORAMAN F., Cengiz B., KARAARSLAN E., KARABULUT E. H., Bilgi S., ALHAN H. C.  
Acıbadem Üniversitesi Sağlık Bilimleri Dergisi, vol.1, no.4, pp.241-244, 2010 (Peer-Reviewed Journal)
- XI. **Spontaneously T1-hyperintense lesions of the brain on MRI: a pictorial review.**  
Cakirer S., Karaarslan E., Arslan A.  
Current problems in diagnostic radiology, vol.32, pp.194-217, 2003 (Peer-Reviewed Journal)
- XII. **[Pictorial essay: Evaluation of intracranial lipomatous masses with MRI].**  
Cakirer S., Karaarslan E.  
Tanisal ve girisimsel radyoloji : Tibbi Goruntuleme ve Girisimsel Radyoloji Dernegi yayin organi, vol.9, pp.26-30, 2003 (Peer-Reviewed Journal)
- XIII. **Spinal ganglioneuroma presenting as a highly vascular lesion with hypertrophic venous drainage.**

Arslan A., Karaarslan E., Dincer A., Ciftci E.

JBR-BTR : organe de la Societe royale belge de radiologie (SRBR) = orgaan van de Koninklijke Belgische Vereniging voor Radiologie (KBVR), vol.84, no.1, pp.5-7, 2001 (Scopus)

## Books & Book Chapters

- I. **BİLGİSAYARLI TOMOGRAFİDE DOZ VE DOZ DÜŞÜRME UYGULAMALARI**  
Başar Y., Karaarslan E.  
in: RADYOLOJİ FİZİĞİ , FAZIL GELAL, Editor, Dünya Yayınları, Ankara, pp.173-191, 2023
- II. **Sellar ve Parasellar Bölgenin Hipofiz Adenomu Dışındaki Tümörleri**  
Başar Y., Karaarslan E.  
in: Hipofiz Patolojileri ve Hipofiz Dışı Sellar Patolojiler, GÜL HATİPOĞLU, Editor, GALENOS, İstanbul, pp.208-236, 2022
- III. **BİLGİSAYARLI TOMOGRAFİDE DOZ HESAPLAMA VE DÜŞÜK DOZ UYGULAMALARI**  
Karaarslan E.  
in: RADYOLOJİ FİZİĞİ , FAZIL GELAL, Editor, Nobel Yayın Dağıtım, İstanbul, pp.92-100, 2019
- IV. **Prostat Kanseri Evrelemesi**  
Karaarslan E.  
in: Multiparametrik Prostat MRG, Muşturay KARÇAALTINCABA, Editor, Avesta Yayınları, Ankara, pp.451-459, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Retrospective analysis of fetal magnetic resonance imaging (feMRI) examinations in the last 10 years at a tertiary center: experience of a single radiologist and a single perinatologist**  
Ay B., Sari E., ALİS D. C., KARAARSLAN E., Bildirici I., ALANAY Y.  
55th European-Society-of-Human-Genetics (ESHG) Conference, Vienna, Austria, 11 - 14 June 2022, pp.105
- II. **BANT İLE GERDİRME YÖNTEMİ (VBT) DİSK VE FASET EKLEM DEJENERASYONUNA SEBEP OLUR MU? EN AZ 2-YIL TAKİPLİ MRI ÇALIŞMASI**  
Alanay A., Yılğör İ. Ç., Yucekul A., Ergene G., Senay S., Karaarslan E., Yalınay Dikmen P.  
30. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Antalya, Turkey, 9 - 14 November 2021
- III. **Does vertebral body tethering cause disc and facet joint degeneration? An MRI study with minimum 2-years follow-up**  
Yucekul A., Akpunarli B., Durbas A., Zulemyan T., Havlucu I., Ergene G., Senay S., Yalınay Dikmen P., Turgut Balci Ş., Karaarslan E., et al.  
EUROSPINE 2021, Vienna, Austria, 6 - 08 October 2021, vol.1, pp.81-82
- IV. **Does vertebral body tethering cause disc and facet joint degeneration? An MRI study with minimum two years of follow-up**  
YÜCEKUL A., Akpunarli B., Durbas A., Zulemyan T., Havlucu I., ERGENE G., Senay S., YALINAY DİKMEN P., TURGUT BALCI Ş., KARAARSLAN E., et al.  
North American Spine Society 36th Annual Meeting, Boston, ABD., United States Of America, 29 September - 02 October 2021, vol.21, pp.60
- V. **Does Vertebral Body Tethering Cause Disc and Facet Joint Degeneration? A MRI Study with Minimum 2-Years Follow-Up**  
Yucekul A., Akpunarli B., Durbas A., Zulemyan T., Havlucu I., Ergene G., Senay S., Yalınay Dikmen P., Turgut Balci Ş., Karaarslan E., et al.  
SRS 56th Annual Meeting - Scoliosis Research Society, Missouri, United States Of America, 22 - 25 September 2021, pp.149-150
- VI. **Does vertebral body tethering cause disc and facet joint Degeneration? A magnetic resonance Imaging Study with Minimum 2- year follow up**



YILGÖR İ. Ç., YÜCEKUL A., Akpunarli B., Durbas A., Zulemyan T., Havlucu I., TURGUT BALCI Ş., KARAARSLAN E., Yavuz Y., ALANAY A.

APSS-APPOS 2021 (13th Combined Meeting of Asia Pacific Spine Society & Asia Pacific Paediatric Orthopaedic Society), Kobe- Hybrid, Japan, 9 - 12 June 2021, vol.15, pp.154-155

- VII. **Does vertebral body tethering cause disc and facet joint degeneration? an MRI study with minimum 2-years follow-up**  
Alanay A., Yucekul A., Ergene G., Senay S., Yalinay Dikmen P., Karaarslan E.  
13th Combined Meeting of Asia Pacific Spine Society & Asia Pacific Paediatric Orthopaedic Society, 9 - 12 June 2021
- VIII. **Does Vertebral Body Tethering Cause Disc and Facet Joint Degeneration? An MRI Study with Minimum 2-Years Follow-Up**  
Alanay A., Ergene G., Senay S., Yalinay Dikmen P., Yilgör İ. Ç., Karaarslan E., Yucekul A.  
eSOSORT 2021, 29 April - 01 May 2021
- IX. **DEEP LEARNING FOR AUTOMATED ACUTE ISCHEMIC LESION SEGMENTATION ON DWI**  
ALİŞ D. C., Yergin M., Çelenk M., BAĞCILAR Ö., BAĞCILAR Y. D., ÜSTÜNDAĞ A., SALT V., ALİŞ C., TOPEL Ç., Asmakutlu O., et al.  
30. Yıl Uluslararası Katılımlı Tanısal ve Girişimsel Nöroradyoloji Boyun Radyolojisi Kongresi, İstanbul, Turkey, 17 - 21 February 2021
- X. **THE DIAGNOSTIC PERFORMANCE OF CONVOLUTIONAL RECURRENT NEURAL NETWORKS FOR DETECTING INTRACRANIAL HEMORRHAGE (ICH) ON NON-CONTRAST HEAD COMPUTED TOMOGRAPHY**  
ALİŞ D. C., Yergin M., Çelenk M., Yaman E., BAĞCILAR Ö., BAĞCILAR Y. D., ALİŞ C., TOPEL Ç., Asmakutlu O., NACAR DOĞAN S., et al.  
41. Ulusal Türk Radyoloji Kongresi, Turkey, 24 October 2020
- XI. **Automated Detection and Demonstration of Ischemic Stroke on DWI Using Convolutional Neural Networks with Gradient-Weighted Class Activation Mapping**  
DENİZ A., BAĞCILAR Ö., ŞENLİ Y. D., YERGIN M., ASMAKUTLU O., TOPEL Ç., ÇELENK M., YAMAN E., ALİŞ C., VELİOĞLU M., et al.  
TÜRK MANYETİK REZONANS DERNEĞİ SEMPOZYOMU 2020, Turkey, 19 - 20 September 2020
- XII. **Üriner Sistem Taş Hastalığı Tanı ve Takibinde Düşük Doz Bilgisayarlı Tomografi Protokolü**  
KESKİN M. S., TÜFEK İ., ARGUN Ö. B., TUNA M. B., KARAARSLAN E., KURAL A. R., ŞAHİN A.  
4. Ulusal Ürolojik Cerrahi Kongresi, Antalya, Turkey, 31 October - 04 November 2018
- XIII. **SS-172 Üriner Sistem Taş Hastalığı Tanı ve Takibinde Düşük Doz Bilgisayarlı Tomografi Protokolü**  
KESKİN M. S., TÜFEK İ., ARGUN Ö. B., Tuna M. B., KARAARSLAN E., KURAL A. R., ŞAHİN A.  
4. Ulusal Ürolojik Cerrahi Kongresi, Antalya, Turkey, 31 October - 04 November 2018
- XIV. **Sezaryan Sonrası Posterior Reversible Ensefalopati Sendromu**  
AKPEK E., KOÇYİĞİT M., AYDINLAR E., KARAARSLAN E., MUSAYEVA K.  
Türk Anesteziyoloji ve Reanimasyon Derneği 47. Ulusal Kongresi, Turkey, 20 - 23 November 2013
- XV. **LOW DOSE DUAL ENERGY FLASH TOMOGRAPHY PROTOCOL FOR THE FOLLOW UP OF URETERAL STONES**  
Keskin S., Karaarslan E., Tufek I., Argun B., Bavbek C., Kural A. R., Sahin A.  
Annual Meeting of the American-Urological-Association (AUA), California, United States Of America, 4 - 08 May 2013, vol.189
- XVI. **Orşiektomi spesmenlerinde kalsifikasyonların tam alan dijital mammografi tekniği ile değerlendirilmesi ve histopatolojik korelasyon**  
Özcan Ü., Sağlıcan Y., Yıldırım Y., Ocak Ş. F., Yıldız M. E., Karaarslan E.  
33. Ulusal Radyoloji Derneği Kongresi, Antalya, Kasım 2012, Antalya, Turkey, 7 - 11 November 2012
- XVII. **Paranasal sinüslerin değerlendirilmesinde düşük doz 'Flash CT' tomografisinin güvenilirliği**  
AYANOĞLU AKSOY E., ULUS BUTURAK Ö. S., ERTAŞ B., KARAARSLAN E., ÜNAL Ö. F., TANYERİ H. M.  
34. Türk Ulusal Kulak Burun Boğaz Baş ve Boyun Cerrahisi Kongresi, Antalya, Turkey, 10 - 14 October 2012
- XVIII. **Üreter taşlarının takibinde sınırlı alan flash BT protokolü**  
KESKİN M. S., KARAARSLAN E., TÜFEK İ., ARGUN Ö. B., BAVBEK C., KURAL A. R., ŞAHİN A.

1. Ulusal Ürolojik Cerrahi Kongresi, Antalya, Turkey, 3 - 07 October 2012

**XIX. Treatment of standardized fractures by Extracorporeal Shockwave Therapy (ESWT)**

Utka F., Heybeli N., Kesmezacar H., Ogut T., Karaarslan E., Oktar F., Ademoglu A., Sumer A.

23rd Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, İstanbul, Turkey,  
25 - 28 October 2001, vol.23, pp.1515-1518

## Supported Projects

Karaarslan E., Alış D. C., Öksüz I., Şahin A., Ince Ü., Tokat F., Kamaşak M. E., TUBITAK Project, Kantitatif Sentetik Prostat Manyetik Rezonans Görüntüleme Makine Öğrenmesi ile Prostat Kanserinin Değerlendirilmesi, 2022 - 2024

Alis D. C., Karaarslan E., TUBITAK Project, AKILLI PROSTAT BİPARAMETRİK MRG DEĞERLENDİRME SİSTEMİ, 2022 - 2023

Öksüz İ., ÇUKUR T., ÜNAY D., KARAARSLAN E., TUBITAK Project, Interpretable Deep Learning for Fast Medical Image Reconstruction and Analysis, 2020 - 2023

## Memberships / Tasks in Scientific Organizations

TÜRK NÖRORADYOLOJİ DERNEĞİ , Executive Board Member, 2024 - Continues, Turkey

## Metrics

Publication: 106

Citation (WoS): 786

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H-Index (WoS): 15

H-Index (Scopus): 16

## Congress and Symposium Activities

Türk RADYOLOJİ Derneği , Session Moderator, Antalya, Turkey, 2023

Türk Nöroradyoloji Derneği , Invited Speaker, İstanbul, Turkey, 2022

Türk Radyoloji Derneği , Invited Speaker, Antalya, Turkey, 2021

Türk Nöroradyoloji Derneği , Invited Speaker, İstanbul, Turkey, 2021

## Awards

Karaarslan E., Arslan A. S., Yurtdışı En iyi Araştırma Yazısı 1. lik Ödülü , Türk Radyoloji Derneği Philips Başarı Ödülü,  
October 2003