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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'ın 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.
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- 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., Karayutug 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., Vergalaso 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**
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- XXII. **The visibility of prostate cancer concerning underlying histopathological variances: A single-center multiparametric magnetic resonance imaging study.**
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- 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.
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- XXIV. **Diagnostic value of left atrial strain in pediatric hypertrophic cardiomyopathy with normal maximum left atrial volume index: preliminary cardiac magnetic resonance study.**
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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?**
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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.
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- 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**
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- XXXI. **Imaging Spectrum of TIPIC Syndrome : Validation of a new Entity with Vessel Wall Imaging.**
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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.
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- XXXIII. **p.Ser348Cys mutation in FGFR3 gene leads to "Mild ACH /Severe HCH" phenotype.**
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- 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**
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- XXXV. **Can computer-aided diagnosis assist in the identification of prostate cancer on prostate MRI? a multi-center, multi-reader investigation.**
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- XXXVI. **Trigeminal neuralgia caused by a venous angioma: The neuroimaging and surgical findings**
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- XXXVII. **Parieto-occipital alopecia in early infancy mandates cranial imaging**
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- 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**
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- XLI. **Life-threatening retropharyngeal fluid collection after whiplash-type injury of the cervical spine**
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- 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**
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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**
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- XLVI. **SIMPLE ELECTRODIAGNOSTIC METHOD FOR MORTON NEUROMA**
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- XLVII. **Evaluation of testicular tumour calcification with digital orchigraphy.**
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- XLVIII. **Estimated radiation dose and image quality comparison of the scan protocols in dual-source computed tomography coronary angiography**
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- XLIX. **Giant Extraarticular Pigmented Villonodular Tenosynovitis; TWIST-MRA Findings**
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BALKAN MEDICAL JOURNAL, vol.30, no.2, pp.255-256, 2013 (SCI-Expanded)
- L. **Groove (paraduodenal) pancreatitis: Report of two cases**
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- LI. **Perineural cyst presenting like cubital tunnel syndrome.**
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- LII. **Imaging findings after fascial injection of tetanus vaccine**
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- LIII. **Diffusion weighted MR imaging in non-infarct lesions of the brain**
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- LIV. **Recurrent radiculopathy caused by epidural gas after spinal surgery - Report of four cases and**

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- LIV. **CT findings in epiploic appendagitis.**
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- LVI. **Clinical and CT findings of epiploic appendagitis within an inguinal hernia**
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- LVII. **Clinical and CT findings of epiploic appendagitis within an inguinal hernia.**
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- LVIII. **Preserving the ligamentum flavum in lumbar discotomy: A new technique that prevents scar tissue formation in the first 6 months postsurgery**
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- LIX. **Radiology quiz case 1: Melanotic-type mucosal malignant melanoma (MMM)**
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- LX. **A rare case of splenic infarct presenting with acute abdominal pain due to polyarteritis nodosa: case report and review of the literature.**
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- LXI. **ROI measurement of the signal intensity of precentral cortex in the normal brain**
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- LXII. **Radiology quiz case 2 - Diagnosis: Hypervascular vagal schwannoma mimicking paraganglioma**
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- LXIII. **Spontaneous involution of a non-optic astrocytoma in neurofibromatosis type I: Serial magnetic resonance imaging evaluation**
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- LXIV. **Infantile Refsum disease: Case report**
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- LXVI. **Perirolandic cortex of the normal brain: Low signal intensity on turbo FLAIR MR images**
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- LXVIII. **Balo's concentric sclerosis: Clinical and radiologic features of five cases**
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- LXIX. **High intensity signal of the posterior pituitary - A study with horizontal direction of frequency-**

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Articles Published in Other Journals

- I. **Multiple Military Osteoma Cutis: Report of a Case and a Brief Review of the Literature.**
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- II. **Revisiting imaging features of rectosigmoid vascular malformation with emphasis on multiparametric MRI: a case report**
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- III. **Management of symptomatic radiation necrosis after stereotactic radiosurgery and clinical factors for treatment response.**
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- IV. **A case of ruptured arachnoid cyst complicated with intracranial hypotension.**
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- V. **Micro-dose Paranasal Computed Tomography is Valuable When Evaluating Diseases of the Paranasal Sinuses**
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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)
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Memberships / Tasks in Scientific Organizations

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

Metrics

Publication: 106

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H-Index (WoS): 15

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Congress and Symposium Activities

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

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