

## Prof. DENİZ AKATA

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### International Researcher IDs

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### Education Information

Expertise In Medicine, Hacettepe University, Tıp, Radyoloji, Turkey 1990 - 1994

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Multipl Myelomda MRG bulguları, Hacettepe Üniversitesi, Hacettepe Tıp Fakültesi, 1994

### Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Radiodiagnostic

### Academic and Administrative Experience

Hacettepe Üniversitesi, Tıp Fakültesi (İngilizce), Dahili Tıp Bilimleri Bölümü, 2015 - Continues

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

- I. Nonalcoholic Fatty Liver Disease, Bone and Muscle Quality in Prolactinoma: A Pilot Study**  
Eroğlu İ., İremli B. G., Erkoç A., İdilman İ. S., Yüce D., Çalık Kütükcü E., Akata D., Erbas T.  
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- II. Osteosarcopenia in acromegaly: reduced muscle quality and increased vertebral fat deposition**  
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Journal of Endocrinological Investigation, vol.46, no.12, pp.2573-2582, 2023 (SCI-Expanded)
- III. Associations Between Hepatic and Pancreatic Steatosis with Lumbar Spinal Bone Marrow Fat: A Single-Center Magnetic Resonance Imaging Study**

Abbasoğlu A., KARÇAALTINCABA M., KARAOSMANOĞLU A. D., ÖZMEN M. N., AKATA D., İdilman İ. S.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology, vol.34, no.6, pp.618-625, 2023 (SCI-Expanded)

- IV. **Infarcts and ischemia in the abdomen: an imaging perspective with an emphasis on cross-sectional imaging findings**  
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- V. **Cutoff values for appendicular skeletal muscle mass using dual-energy x-ray absorptiometry in a reference group of Turkish adults**  
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- VI. **Multiparametric MRI with MR elastography findings in patients with sinusoidal obstruction syndrome after oxaliplatin-based chemotherapy**  
POKER A., KARÇAALTINCABA M., ÖZMEN M. N., Karaosmanoglu A. D., ERDEMİR A. G., ÖCAL O., AKATA D., İDİLMAN İ. S.  
INSIGHTS INTO IMAGING, vol.13, no.1, 2022 (SCI-Expanded)
- VII. **Imaging findings of spontaneous intraabdominal hemorrhage: neoplastic and non-neoplastic causes**  
Arslan S., Sarikaya Y., AKATA D., ÖZMEN M. N., KARÇAALTINCABA M., KARAOSMANOĞLU A. D.  
ABDOMINAL RADIOLOGY, vol.47, no.4, pp.1473-1502, 2022 (SCI-Expanded)
- VIII. **Radiation dose levels of thoracic-lumbar spine CT in pediatric trauma patients and assessment of scan parameters for dose optimization**  
Arslan S., ONUR M. R., Sarikaya Y., ÖZCAN H. N., HALİLOĞLU M., AKATA D.  
PEDIATRIC RADIOLOGY, vol.52, no.1, pp.65-74, 2022 (SCI-Expanded)
- IX. **Proton density fat fraction: magnetic resonance imaging applications beyond the liver**  
İDİLMAN İ. S., YILDIZ A. E., KARAOSMANOĞLU A. D., Ozmen M. N., AKATA D., KARÇAALTINCABA M.  
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- X. **International survey on residency programs in radiology: similarities and differences among 17 countries**  
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- XI. **Cross-sectional imaging findings of splenic infections: is differential diagnosis possible?**  
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- XII. **Imaging findings of diseases affecting the gastrohepatic ligament: not as acquiescent as it seems**  
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- XIII. **A sling of a normal right inferior vena cava around the abdominal aorta**  
KARAOSMANOĞLU A. D., ARDALI DÜZGÜN S., AKATA D., ÖZMEN M. N., KARÇAALTINCABA M.  
SURGICAL AND RADIOLOGIC ANATOMY, vol.43, no.8, pp.1391-1394, 2021 (SCI-Expanded)
- XIV. **Cross-sectional imaging features of unusual adrenal lesions: a radiopathological correlation**  
KARAOSMANOĞLU A. D., ÖNDER Ö., LEBLEBİCİ C. B., SÖKMENSÜER C., AKATA D., ÖZMEN M. N., KARÇAALTINCABA M.  
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- XV. **Role of steroid injection for skin thickness and edema in rhinoplasty patients**  
Aydin C., YÜCEL Ö. T., AKÇALAR YILDIRIM S., ATAY G., ÖZER S., SÖZEN T., AKATA D.  
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- XVI. **Identifying the deceiver: the non-neoplastic mimickers of genital system neoplasms**  
ÖNDER Ö., KARAOSMANOĞLU A. D., Kraeft J., Uysal A., KARÇAALTINCABA M., AKATA D., ÖZMEN M. N., Hahn P. F.

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- XVII. **Excessive z-axis scan coverage in body CT: frequency and causes**  
Yar O, ONUR M. R., İDİLMAN İ. S., AKPINAR E., AKATA D.  
EUROPEAN RADIOLOGY, vol.31, no.6, pp.4358-4366, 2021 (SCI-Expanded)
- XVIII. **Immunoglobulin G4-related systemic disease: mesenteric and peritoneal involvement with radiopathological correlation and differential diagnoses**  
KARAOŞMANOĞLU A. D., ÖNDER Ö., LEBLEBİCİ C. B., SÖKMENSÜER C., AKATA D., ÖZMEN M. N., KARÇAALTINCABA M.  
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- XIX. **Can we differentiate neoplastic and non-neoplastic spontaneous adrenal bleeding? Imaging findings with radiopathologic correlation**  
KARAOŞMANOĞLU A. D., UYSAL A., ARSLAN S., SÖKMENSÜER C., LEBLEBİCİ C., AKATA D., ÖZMEN M. N., KARÇAALTINCABA M.  
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- XX. **Prostatitis, the Great Mimicker of Prostate Cancer: Can We Differentiate Them Quantitatively With Multiparametric MRI?**  
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- XXI. **Role of imaging in visceral vascular emergencies**  
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- XXIV. **Treatment of massive liver metastasis of breast cancer during pregnancy: first report of a complete remission with trastuzumab and review of literature**  
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- XXV. **Tumor in the veins: an abdominal perspective with an emphasis on CT and MR imaging**  
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- XXVII. **Hyperintensity at fat spared area in steatotic liver on the hepatobiliary phase MRI**  
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DIAGNOSTIC AND INTERVENTIONAL RADIOLOGY, vol.25, no.6, pp.416-420, 2019 (SCI-Expanded)
- XXVIII. **Primary lymphomas of the intraabdominal solid organs and the gastrointestinal tract: spectrum of imaging findings with histopathological confirmation**  
KARAOŞMANOĞLU A. D., UYSAL A., ONUR M. R., HAHN P. F., AYHAN A. S., ÖZMEN M. N., AKATA D., KARÇAALTINCABA M.  
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- XXIX. **Low tube voltage increases the diagnostic performance of dual-energy computed tomography in patients with acute appendicitis**  
TOPEL C., ONUR M. R., AKPINAR E., KARAOŞMANOĞLU A. D., AKATA D., KARÇAALTINCABA M.  
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- XXX. **Imaging in secondary tumors of the ovary**

- KARAOŞMANOĐLU A. D., ONUR M. R., SALMAN M. C., USUBÜTÜN A., KARÇAALTINCABA M., ÖZMEN M. N., AKATA D.  
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- XXXI. **MRI evaluation of anal and perianal diseases**  
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- XXXII. **Hepatobiliary phase liver MR imaging findings after Oxaliplatin-based chemotherapy in cancer patients**  
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- XXXIII. **Computed tomography and magnetic resonance imaging of peripelvic and periureteric pathologies.**  
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- XXXIV. **Secondary Tumors of the Urinary System: An Imaging Conundrum**  
KARAOŞMANOĐLU A. D., ONUR M. R., KARÇAALTINCABA M., AKATA D., ÖZMEN M. N.  
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- XXXV. **Anterior uterine wall: normal and abnormal CT and MRI findings after cesarean section**  
KARAOŞMANOĐLU A. D., GÜNEŞ A., ÖZMEN M. N., AKATA D.  
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- XXXVI. **Imaging of pathology involving the space around the hepatic veins: "perivenous pattern"**  
KARAOŞMANOĐLU A. D., ONUR M. R., ÖZMEN M. N., AKATA D., KARÇAALTINCABA M.  
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- XXXVII. **A new technique for the diagnosis of acute appendicitis: abdominal CT with compression to the right lower quadrant.**  
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- XXXVIII. **Dual-energy CT characteristics of colon and rectal cancer allows differentiation from stool by dual-source CT**  
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- XXXIX. **Imaging for abdominal involvement in amyloidosis**  
ÖZCAN H. N., HALILOĐLU M., SÖKMENSÜER C., AKATA D., ÖZMEN M., KARÇAALTINCABA M.  
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- XL. **Liver Function Assessment by Magnetic Resonance Imaging**  
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- XLI. **Magnetic Resonance Imaging of Liver Metastasis**  
KARAOŞMANOĐLU A. D., ONUR M. R., ÖZMEN M. N., AKATA D., KARÇAALTINCABA M.  
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- XLII. **Reproducibility and variability of very low dose hepatic perfusion CT in metastatic liver disease**  
TOPCUOĐLU O. M., KARÇAALTINCABA M., AKATA D., ÖZMEN M. N.  
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- XLIII. **The association between thyroid volume, L-thyroxine therapy and hepatocyte growth factor levels among patients with euthyroid and hypothyroid goitrous and non-goitrous Hashimoto's thyroiditis versus healthy subjects**  
KILIC M. K., YESILKAYA Y., TEZCAN K., CINAR N., AKIN S., KARAKAYA J., AKATA D., USMAN A., GURLEK A.  
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- XLIV. **Invisible fat on CT: making it visible by MRI**  
ÜNAL E., KARAOŞMANOĐLU A. D., AKATA D., ÖZMEN M. N., KARÇAALTINCABA M.  
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- XLV. **Effect of iterative reconstruction on image quality in evaluating patients with coronary calcifications or stents during coronary computed tomography angiography: a pilot study**

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- XLVII. **Intraoperative Ex Vivo High-Resolution Sonography A Novel Technique for the Assessment of Myometrial Invasion in Endometrial Cancer**  
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- XLVIII. **Comparison of image quality and radiation dose between prospectively ECG-triggered and retrospectively ECG-gated CT angiography: Establishing heart rate cut-off values in first-generation dual-source CT.**  
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- XLIX. **Intrapancreatic pseudoaneurysm causing massive gastrointestinal hemorrhage and chronic pancreatitis**  
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- L. **Imaging of aberrant left gastric vein and associated pseudolesions of segments II and III of the liver and mimickers**  
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- LI. **Does coronary calcium scoring with a SCORE better predict significant coronary artery stenosis than without? Correlation with computed tomography coronary angiography**  
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- LII. **Nonalcoholic fatty liver disease is associated with significant coronary artery disease in type 2 diabetic patients: A computed tomography angiography study**  
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- LIII. **Quantitative liver tumor blood volume measurements by a C-arm CT post-processing software before and after hepatic arterial embolization therapy: comparison with MDCT perfusion**  
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- LIV. **Precision Imaging of Focal Liver Lesions Comparison With Conventional Sonography in Terms of Image Quality**  
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- LV. **CT diagnosis of intrasplenic metastasis from ovarian carcinoma**  
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- LVI. **Infiltrating rectal cavernous hemangioma mimicking rectal tumor**  
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- LVII. **Omental vascular pedicle sign: Multidetector CT finding useful for diagnosis of an omental mass**  
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- LVIII. **Noninvasive Evaluation of Coronary Artery Bypass Grafts with 16-Slice Multidetector Computed Tomography**

- Sahiner L., Oto A., AYTEMİR K., HAZIROLAN T., KARÇAALTINCABA M., AKATA D.  
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- LIX. **The role of the resistive index in Hashimoto's thyroiditis: a Sonographic pilot study in children**  
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- LX. **Analysis of left atrial appendix by dual-source CT coronary angiography: Morphologic classification and imaging by volume rendered CT images**  
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- LXI. **Primary Anterior Abdominal Wall Leiomyoma**  
Yesilkaya Y., DEMİRBAŞ B., Kilincer A., AKATA D.  
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- LXII. **Effectiveness Best R-R Reconstruction Interval Determination Software for the Evaluation of Dual-Source Coronary CT Angiography Examinations**  
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- LXIII. **Neuroblastoma Presented with Polyhydramnios**  
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- LXIV. **The value of dynamic contrast-enhanced MRI in the detection of recurrent prostate cancer after external beam radiotherapy: correlation with transrectal ultrasound and pathological findings**  
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- LXV. **DIAGNOSTIC PERFORMANCE OF 16-SLICE VERSUS DUAL SOURCE 64-SLICE MDCT ANGIOGRAPHY IN THE EVALUATION OF CORONARY ARTERY BYPASS GRAFTS: A COMPARATIVE STUDY**  
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- LXVI. **Clinical applications of gadobenate dimeglumine-enhanced magnetic resonance cholangiography: an expanded pictorial review**  
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- LXVII. **Unusual causes of left renal vein compression along its course: MDCT findings in patients with nutcracker and pelvic congestion syndrome**  
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- LXVIII. **EVALUATION OF CORONARY ARTERY COMPLICATIONS BY COMPUTED TOMOGRAPHY ANGIOGRAPHY IN PATIENTS TREATED FOR HODGKIN LYMPHOMA**  
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- LXX. **Dual Energy Virtual CT Colonoscopy with Dual Source Computed Tomography: Initial Experience**  
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## Supported Projects

ONUR M. R., OĞUZ B., AKATA D., Project Supported by Higher Education Institutions, Floroskopi eşliğinde hidrostatik redüksiyon işlemi sonrası rekürren invajinasyon gelişen hastalarda risk faktörlerinin araştırılması, 2019 - 2022

DURHAN G., GÜLSÜN AKPINAR M., DEMİRKAZIK F., AKATA D., Project Supported by Higher Education Institutions, Dijital Mamografide İzlenen Parankimal Distorsiyonun Dijital Meme Tomosentezi Kontrastlı Mamografi ve ShearWave Ultrason Elastografi Kullanımı ile Değerlendirilmesi ve Patoloji Sonuçları ile Karşılaştırılarak Yöntemlerin Etkinliklerinin Belirlenmesi, 2018 - 2022

ELDEM F. G., PEYNİRCİOĞLU B., AKATA D., Project Supported by Higher Education Institutions, Hacettepe Üniversitesi Tıp Fakültesi Radyoloji Anabilim Dalı Vasküler Girişimsel Radyoloji Birimine Karbondioksit (CO<sub>2</sub>) ile Anjiyografi Alt Yapısının Sağlanması, 2018 - 2020

AKATA D., Project Supported by Higher Education Institutions, ESGAR 2015 Kongresinde Radyoloji Bilgilerini Geliştirme Projesi, 2015 - 2017

## Metrics

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## Non Academic Experience

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Medical College of Wisconsin