

## Personal Information

**Email:** esat.kaba@erdogan.edu.tr

**Web:** <https://avesis.erdogan.edu.tr/esat.kaba>

## International Researcher IDs

ScholarID: AiUFfqMAAAAJ

ORCID: 0000-0001-7464-988X

Yoksis Researcher ID: 296597

## Research Areas

Radiodiagnostic

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

- I. **The R.E.N.A.L. nephrometry scoring from CT reports with ChatGPT: example with proofs.**  
Topçu Varlık A., Kaba E., Burakgazi G.  
Japanese journal of radiology, 2024 (SCI-Expanded)
- II. **Accuracy of Large Language Models in Thyroid Nodule-Related Questions Based on the Korean Thyroid Imaging Reporting and Data System (K-TIRADS)**  
Kaba E., Hürsoy N., Solak M., Çeliker F. B.  
KOREAN JOURNAL OF RADIOLOGY, vol.25, no.5, pp.499-500, 2024 (SCI-Expanded)
- III. **The Role of Prompt Engineering in Radiology Applications of Generative AI.**  
Kaba E., Solak M., Çeliker F. B.  
Academic radiology, 2024 (SCI-Expanded)
- IV. **RE: Accuracy of Large Language Models in Answering ESUR Guidelines on Contrast Media-Related Questions.**  
Kaba E., Vogl T. J.  
Academic radiology, 2024 (SCI-Expanded)
- V. **Zero-, Single-, and Few-Shot Learning in Large Language Models to Identify Incidental Findings From Radiology Reports**  
Kaba E.  
AMERICAN JOURNAL OF ROENTGENOLOGY, vol.222, no.3, 2024 (SCI-Expanded)
- VI. **Pulmonary Artery Pseudoaneurysms in Cannonball Metastases.**  
Kaba E., Solak M., Hürsoy N.  
Archivos de bronconeumologia, 2024 (SCI-Expanded)
- VII. **Radiomics-based machine learning in the differentiation of benign and malignant bowel wall thickening radiomics in bowel wall thickening**  
Bülbül H. M., Burakgazi G., Kesimal U., Kaba E.  
Japanese Journal of Radiology, 2024 (SCI-Expanded)
- VIII. **Performance of Different Large Language Models in the Sample Test of the European Cardiovascular Radiology Board Examination**  
KABA E., AKKAYA S.  
Academic Radiology, 2024 (SCI-Expanded)

- IX. Can We Use Large Language Models for the Use of Contrast Media in Radiology?**  
Kaba E., Vogl T. J.  
Academic radiology, 2023 (SCI-Expanded)
- X. Retroperitoneal Necrotizing Fasciitis: A Rare Surgical Emergency**  
KABA E., KAYAOĞLU A. T., Hacibey I.  
INDIAN JOURNAL OF SURGERY, vol.85, no.6, pp.1475-1477, 2023 (SCI-Expanded)
- XI. Achilles Tendon Ossification.**  
Kaba E., Hürsoy N.  
Joint bone spine, pp.105659, 2023 (SCI-Expanded)
- XII. Thyroid hemiagenesis**  
KABA E., Solak M.  
QJM-AN INTERNATIONAL JOURNAL OF MEDICINE, vol.116, no.7, pp.544, 2023 (SCI-Expanded)
- XIII. Pulmonary involvement of secondary syphilis: the great mimicker.**  
Kaba E., Kaba A., Ardic C., Celiker F. B.  
British journal of hospital medicine (London, England : 2005), vol.84, no.7, pp.1-4, 2023 (SCI-Expanded)
- XIV. Deep Network-Based Comprehensive Parotid Gland Tumor Detection.**  
Sunneci K. M., Kaba E., Celiker F., Alkan A.  
Academic radiology, 2023 (SCI-Expanded)
- XV. Spontaneous Thyroid Parenchymal Hemorrhage Causing Acute Airway Obstruction and Its Endovascular Treatment: A Case Report and Literature Review**  
Kaba E., Beyazal M., Atas I.  
CURRENT MEDICAL IMAGING REVIEWS, vol.19, 2023 (SCI-Expanded)
- XVI. Comparative parotid gland segmentation by using ResNet-18 and MobileNetV2 based DeepLab v3+ architectures from magnetic resonance images**  
Sunneci K. M., KABA E., BEYAZAL ÇELİKER F., ALKAN A.  
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.35, no.1, 2023 (SCI-Expanded)
- XVII. RE: Regional Lymphadenopathy Following COVID-19 Vaccination in Patients with or Suspicious of Breast Cancer: A Quick Summary of Current Key Facts and Recommendations**  
SEKMEN S., KABA E., HÜRSOY N., TAŞCI F.  
KOREAN JOURNAL OF RADIOLOGY, vol.23, no.10, pp.1028-1029, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. Large Language Models on Magnetic Resonance Imaging Safety-Related Questions: Accuracy of ChatGPT-3.5, ChatGPT-4, Gemini, and Perplexity**  
Kaba E., Bülbül H. M., Burakgazi G., Solak M., Tabakoğlu S., Topçu Varlık A., Hürsoy N., Beyazal Çeliker F.  
Current Research in MRI, vol.3, no.1, pp.16-19, 2024 (Peer-Reviewed Journal)
- II. Predicting COVID-19 Outcomes: Machine Learning Predictions Across Diverse Datasets**  
Panç K., Hürsoy N., Başaran M., Yazici M. M., Kaba E., Nalbant E., Gündoğdu H., Gürün E.  
CUREUS, vol.15, no.12, 2023 (ESCI)
- III. Chronic Lymphocytic Lymphoma / Leukemia Infiltration of Prostate Gland Presenting with Hematuria: A Case Report**  
Hacibey I., Kaba E., Ozsoy S., Yuruk E., Yaser Muslumanoglu A.  
International Journal of Clinical Urology, vol.7, no.2, pp.40-43, 2023 (Peer-Reviewed Journal)
- IV. A Rare Cause of Unexplained Left Flank Pain: Nutcracker Syndrome**  
Kaba A., Kaba E., Ardic C.  
KONURALP TIP DERGISI, vol.15, no.2, pp.273-276, 2023 (ESCI)
- V. Mild Encephalitis/Encephalopathy with Reversible Splenic Lesion: Two Case Reports**  
Kaba E., Beyazal M., Kaya M., Celiker F. B.  
Current Research in MRI, vol.0, no.0, 2023 (Peer-Reviewed Journal)

## VI. Page kidney after percutaneous nephrolithotomy

Solak M., Kaba E.

EURORAD, 2023 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Abdominal computed tomography findings in patients with COVID-19**  
Kaba E., Burakgazi G., Beyazal Çeliker F., Mahmutoğlu Çolak S., Sekmen S., Sağır L., Er H.  
European Congress of Radiology 2023, Vienna, Austria, 1 - 05 March 2023, pp.205
- II. **İNTRAMÜSKÜLER ABSE İLE PREZENTE OLAN VAN NECK-ODELBERG HASTALIĞI**  
Kaba E., Akmaz Ünlü H., Tığrak S., Tiftik., Keçeli M.  
44. ULUSAL RADYOLOJİ KONGRESİ, Antalya, Turkey, 21 - 25 November 2023, pp.732-733
- III. **Diagnostic Value of Ultrasound-Based Deep Learning in Classification of Benign-Malignant Thyroid Nodules**  
Solak M., Kaba E., Topçu Varlık A., Çubukçu Y., Sağır L., Sünnetci K. M., Alkan A., Gündoğdu H., Beyazal Çeliker F., Beyazal M.  
XVIII Balkan Congress of Radiology, Belgrade, Serbia, 19 - 20 October 2023, pp.100-101
- IV. **Damar Ç., Keçeli M., Kaba E.**  
3. Sağlıklı Büyüyen Çocuk Kongresi, İzmir, Turkey, 5 - 08 October 2023, pp.63
- V. **DIFFERENTIATION OF IDIOPATHIC GRANULOMATOUS MASTITIS AND NON-MASS CONTRAST ENHANCEMENT USING BREAST MAGNETIC RESONANS IMAGING WITH DEEP LEARNING**  
Er H., Taşçı F., Kaba E., Hürsoy N.  
27.TÜRK MANYETİK REZONANS DERNEĞİ YILLIK BİLİMSEL TOPLANTISI, Ankara, Turkey, 11 - 13 May 2023, pp.75
- VI. **DEEP LEARNING-BASED AUTOMATIC SEGMENTATION OF PAROTID GLAND TUMORS USING MRI**  
Kaba E., Sünnetci K. M., Beyazal Çeliker F., Alkan A.  
International Congress of Radiology 2023, Al-Ghardaqaq, Egypt, 15 - 17 March 2023, pp.104
- VII. **IMAGING FINDINGS OF EMPHYSEMATOUS URINARY TRACT INFECTIONS**  
Kaba E., Er H., Kayaoğlu A. T., Solak M., Topçu A., Sekmen S., Sağır L., Panç K., Kaya M.  
International Congress of Radiology, Al-Ghardaqaq, Egypt, 15 - 17 March 2023, pp.111
- VIII. **EVALUATION OF THE RELATIONSHIP BETWEEN SACRUM MR TEXTURE ANALYSIS PARAMETERS AND BONE MINERAL DENSITOMETRY MEASUREMENTS**  
Kaba E., Hürsoy N., Sekmen S., Beykoz Çetin E., Sünnetci K. M., Alkan A., Beyazal Çeliker F., Burakgazi G.  
International Congress of Radiology 2023, Al-Ghardaqaq, Egypt, 15 - 17 March 2023, pp.98
- IX. **Segmentation of Parotid Gland Using Artificial Intelligence From Magnetic Resonance Imaging**  
Kaba E., Sünnetci K. M., Beyazal Çeliker F., Alkan A.  
8th International Hippocrates Congress on Medical and Health Sciences, 4 - 05 March 2022, pp.672-675
- X. **MACHINE LEARNING BASED ON TEXTURE ANALYSIS TO EVALUATE THE RELATIONSHIP BETWEEN VITAMIN D LEVEL AND BRAIN STRUCTURES**  
Kaba E., Hürsoy N., Beyazal Çeliker F., Beyazal M., Er H., Burakgazi G.  
32nd year Turkish Society of Neuroradiology congress with International Participation, İstanbul, Turkey, 24 - 26 March 2023, pp.651
- XI. **MILD ENCEPHALITIS/ENCEPHALOPATHY WITH REVERSIBLE SPLENIAL LESION (MERS)**  
Kaba E., Beyazal Çeliker F.  
32nd year Turkish Society of Neuroradiology congress with International Participation, İstanbul, Turkey, 24 - 26 March 2023, pp.667
- XII. **NON-ANEURYSMAL PERIMESENCEPHALIC SUBARACHNOID HEMORRHAGE**  
Kaba E., Beyazal M., Beyazal Çeliker F., Sağır L.  
32nd year Turkish Society of Neuroradiology congress with International Participation, İstanbul, Turkey, 24 - 26 March 2023, pp.672-673
- XIII. **FASCIOLA HEPATİCA GÖRÜNTÜLEME BULGULARI**

- Kaba E., Burakgazi G., Bađın Ü., Özsariođlu A., Er H., Sađır L.  
43. ULUSAL RADYOLOJİ KONGRESİ, Antalya, Turkey, 1 - 05 November 2022, pp.309-310
- XIV. **ABDOMİNAL BT: HİPOPERFÜZYON KOMPLEKSİ**  
Sađır L., Kaba E., Sekmen S., Kayaođlu A. T.  
43. ULUSAL RADYOLOJİ KONGRESİ, Antalya, Turkey, 1 - 05 November 2022, pp.356-357
- XV. **NADİR BİR OLGU; MOBİL ÇEKUM**  
Kaba E., Burakgazi G., Er H., Kayaođlu A. T., Sekmen S.  
43. ULUSAL RADYOLOJİ KONGRESİ, Antalya, Turkey, 1 - 05 November 2022, pp.361-362
- XVI. **INVASIVE PITUITARY MACROADENOMA: A CASE REPORT**  
Kayaođlu A. T., Kaba E., Beykoz Çetin E., Beyazal Çeliker F., Kaya M.  
TÜRK MANYETİK REZONANS DERNEđİ 26. YILLIK BİLİMSEL TOPLANTISI, Ankara, Turkey, 26 - 28 May 2022, pp.226-227
- XVII. **A RARE RCC MIMIC LESION; FAT-POOR ANGIOMYOLIPOMA**  
Kaba E., Türker S., Gündođdu H., Sađır L.  
TÜRK MANYETİK REZONANS DERNEđİ 26. YILLIK BİLİMSEL TOPLANTISI, Ankara, Turkey, 26 - 28 May 2022, pp.139-140
- XVIII. **Perineal Abse Kültürü ve Kan Kültüründe Üreyen Zygosaccharomyces: İnsanlarda Yeni Patojen mi?**  
Bađın Ü., Yıldız İ. E., Kaba E., Ertürk A., Kostakođlu U.  
22. Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, Turkey, 9 - 12 March 2022, pp.509-510
- XIX. **OS ODONTOİDEUM:NADİR BİR SERVİKAL TRAVMA TAKLİTÇİSİ**  
Kaba E., Beyazal Çeliker F., Sekmen S., Sađır L.  
42. ULUSAL RADYOLOJİ KONGRESİ, Antalya, Turkey, 26 - 31 October 2021, pp.861-862
- XX. **NADİR LOKALİZASYONLU PARAFARENGEAL DERMOİD KİST**  
Kaba E., Beyazal Çeliker F., Gül O., Kayaođlu A. T.  
42. ULUSAL RADYOLOJİ KONGRESİ, Antalya, Turkey, 26 - 31 October 2021, pp.773-774
- XXI. **FAHR SENDROMU**  
Kaba E., Beyazal Çeliker F., Başaran M., Kaya M.  
42. ULUSAL RADYOLOJİ KONGRESİ, Antalya, Turkey, 26 - 31 October 2021, pp.605-606
- XXII. **GASTRİK SUBMUKOZAL TÜMÖRÜN NADİR BİR NEDENİ; SCHWANNOM**  
Er H., Kaba E., Sekmen S., Gündođdu H., Başaran M.  
42. ULUSAL RADYOLOJİ KONGRESİ, Antalya, Turkey, 26 - 31 October 2021, pp.734-735
- XXIII. **İMMUNSUPRESE HASTADA TÜM YÖNLERİYLE KRANİAL TÜBERKÜLOZ TUTULUMU**  
Kaba E., Beyazal Çeliker F., Er H., Beykoz Çetin E.  
42. ULUSAL RADYOLOJİ KONGRESİ, Antalya, Turkey, 26 - 31 October 2021, pp.900-901
- XXIV. **COVID-19 Şüpheli Hastalarda BT Bulgularının Kategorizasyonunda Etkinlik ve Gözlemciler Arası Uyumun Araştırılması**  
HÜRSOY N., BAŞARAN M., ÖZEN E. A., PANÇ K., TOPAK A., SEKMEN S., KABA E., MAHMUTOđLU ÇOLAK S., ERTÜRK A.  
Türk Radyoloji Derneđi Ulusal Kongresi, Turkey, 26 - 30 October 2021
- XXV. **COVID-19 Enfeksiyonu Klinik Seyir ve Mortaliteyi Öngörmede Makine Öğrenmesinin Rolü**  
PANÇ K., KABA E., YAZICI M., HÜRSOY N.  
Türk Radyoloji Derneđi Ulusal Kongresi, 26 October 2021
- XXVI. **NADİR BİR KRONİK PELVİK AđRI NEDENİ; RİA MİGRASYONU**  
Kaba E., Gündođdu H., Eldeş T., Topak A., Er H.  
41. ULUSAL RADYOLOJİ KONGRESİ, 24 October - 01 November 2020, pp.357-358

## Scientific Refereeing

ACADEMIC RADIOLOGY, SCI Journal, February 2024

Abdominal Radiology, SCI Journal, October 2023

## **Metrics**

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## **Scholarships**

VISITING SCHOLARSHIP PROGRAMMES EUROPE, Other International Organizations, 2023 - 2023