Official Journal of Turkish Society of Magnetic Resonance

CRIPER Current Research in MRI

Early and Persistent White Matter Damage in Severe Traumatic Brain Injury: A Longitudinal Diffusion Tensor Imaging Analysis

Barış Genç, Kerim Aslan, Lütfi İncesu

Effectiveness of Diffusion-Weighted Magnetic Resonance Imaging in Differentiating Mediastinal Lymphadenopathy

Türkhun Çetin, Fulya Memiş

Branch-to-Total Pulmonary Artery Area Ratio as a Predictor of Flow Limitation in Tetralogy of Fallot: MRA and Phase Contrast MRI Study
Ali Fuat Tekin, Tuba Banaz, Ömer Altun, Berk Tütüncüoğlu, Muhammed Faruk Kazanbaş, Mehmet Kadıoğlu, Mustafa Kan, Yiğit Can Kartal, İlker Kemal Yücel, Serçin Özkök

Assessment of Meniscal Pathologies and Meniscal Volume Quantification in Individuals with and without Radiographic Osteoarthritis

Özge Tanişman, Eren Tobcu, Bilgin Topcu, Erdal Karavaş





Current Research in MRI



Editor in Chief

Mecit Kantarcı 🕒



Department of Radiology, Erzincan Binali Yıldırım University, Faculty of Medicine; Atatürk University, Faculty of Medicine, Erzincan, Erzurum, Türkiye

Editors

Abdominal Radiology



The University of Chicago, Department of Radiology, Chief Physician, Head of the Faculty Practice Plan and Dean for Clinical Affairs, Chicago, USA

Murat Danacı 匝



Department of Radiology, Ondokuz Mayıs University, Faculty of Medicine, Samsun, Türkiye

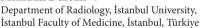
Breast Radiology



Department of Radiology, Gazi University, Faculty of Medicine, Ankara, Türkiye

Cardiac Radiology

Memduh Dursun 匝



Cihan Duran 🕑



Department of Diagnostic and Interventional Imaging, The University of Texas, McGovern Medical School, Texas, USA

Emergency Radiology

Mehmet Ruhi Onur 🗓

Department of Radiology, Hacettepe University Faculty of Medicine Hospital, Ankara, Türkiye

Engineer Group

Esin Öztürk Işık 🕒

Biomedical Engineering, Boğaziçi University, İstanbul, Türkiye

Head & Neck Radiology

Nafi Aygün 匝

Department of Radiology, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA

Hatice Gül Hatipoğlu 🕒



Department of Radiology, Health Science University, Gulhane Faculty of Medicine, Ankara Bilkent City Hospital, Ankara, Türkiye

Musculoskeletal Radiology

Nil Tokgöz 🕒



Department of Radiology, Gazi University, Faculty of Medicine, Ankara, Türkiye

Neuroradiology Radiology

Alpay Alkan 🗓



Department of Radiology, Bezmialem Vakıf University, Faculty of Medicine, İstanbul, Türkiye

Pediatric Radiology

Korgün Koral 匝



Department of Radiology, University of Texas Southwestern Medical Center, Dallas, TX, USA

Süreyya Burcu Görkem 🕒



Department of Pediatric Radiology, Adana State Hospital, Adana, Türkiye

Thorax Radiology

Polat Kosucu



Department of Radiology, Karadeniz Teknik University, Faculty of Medicine, Trabzon, Türkiye

Biostatistical Consultant

Sonav Aydın 🕛



Department of Radiology, Erzincan Binali Yıldırım University, Faculty of Medicine, Erzincan, Türkiye



Founder İbrahim KARA

General Manager Ali SAHİN

Journal Manager Deniz KAYA

Finance Coordinator Gözde DOĞAN

Publications Coordinators Nisanur ATICI Şeref Mert GÜCÜN Lütfiye ÇETİN Gizem DOĞAN

Publications Technologies Coordinator Ayça Nur SEZEN

Project Assistant Ozan ŞAHİN

Address: Büyükdere Cad. 199/6 34394 Mecidiyeköy, Şişli, İstanbul, Türkiye Phone: +90 212 217 17 00 E-mail: info@avesyayincilik.com

Current Research in MRI



About the Current Research in MRI

Current Research in MRI is a peer reviewed, open access, online-only journal published by the Turkish Society of Magnetic Resonance.

Current Research in MRI is a triannual journal that is published in English in April, August, and December.

Indexing

Current Research in MRI is covered in the following indexing database;

- EBSCO
- DOAI
- China National Knowledge Infrastructure (CNKI)

All content published in the journal is permanently archived in Portico.

Aims, Scope, and Audience

Current Research in MRI aims to publish studies of the highest scientific and clinical value. It also encourages the submission of high-quality research in the field of radiology.

Current Research in MRI covers a wide range of topics related to radiology.

Current Research in MRI publishes original articles, reviews, case reports, and letters to the editor that are prepared in accordance with ethical guidelines.

The target audience of the journal includes healthcare professionals, physicians, and researchers who are interested in or working in the field of radiology.

You can reach the current version of the instructions to authors at https://curremr.com/EN

Editor in Chief: Mecit Kantarcı

Address: Department of Radiology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Türkiye E-mail: akkanrad@hotmail.com

Publisher: Turkish Society of Magnetic Resonance

Address: Konak Mah. 858. Sok. No: 2 Çakıroğlu İş Hanı Kat: 5 Daire: 55 Konak / İzmir, Türkiye

Publishing Services: AVES

Address: Büyükderece Cad., 199/6 34394 Şişli, İstanbul, Türkiye

Phone: +90 212 217 17 00 E-mail: info@avespublishing.com Webpage: www.avespublishing.com

Current Research in MRI



CONTENTS

ORIGINAL ARTICLES

- Early and Persistent White Matter Damage in Severe Traumatic Brain Injury: A Longitudinal Diffusion Tensor Imaging Analysis

 Barış Genç, Kerim Aslan, Lütfi İncesu
- 77 Effectiveness of Diffusion-Weighted Magnetic Resonance Imaging in Differentiating Mediastinal Lymphadenopathy Türkhun Çetin, Fulya Memiş
- Branch-to-Total Pulmonary Artery Area Ratio as a Predictor of Flow Limitation in Tetralogy of Fallot: MRA and Phase Contrast MRI Study
 Ali Fuat Tekin, Tuba Banaz, Ömer Altun, Berk Tütüncüoğlu, Muhammed Faruk Kazanbaş, Mehmet Kadıoğlu, Mustafa Kan, Yiğit Can Kartal, İlker Kemal Yücel, Serçin Özkök
- 90 Assessment of Meniscal Pathologies and Meniscal Volume Quantification in Individuals with and without Radiographic Osteoarthritis Özge Tanişman, Eren Tobcu, Bilgin Topcu, Erdal Karavaş

CASE REPORT

Diagnostic Importance of Computed Tomography and Magnetic Resonance Imaging in Coalescent Mastoiditis, a Severe Complication of Acute Otitis Media Muhammet Fırat Öztepe, Fatma Dilek Gökharman

IMAGE OF INTEREST

98 Magnetic Resonance Findings of Dacryocystocele in an Adult: A Rare Case Merve Kolak