Special Issue

Role of Magnetic Resonance Imaging in Obesity and Diabetes

Message from the Guest Editor

Magnetic Resonance Imaging (MRI) has emerged as a crucial diagnostic and monitoring tool in the management of obesity and diabetes and their associated complications. Its non-invasive nature and ability to provide detailed anatomical and functional information make it invaluable for assessing the progression and severity of diabetic complications. In diabetic foot complications, MRI effectively differentiates osteomyelitis and Charcot neuro-osteoarthropathy, enabling targeted treatment plans. For brain imaging, MRI can detect the early signs of atrophy in patients with diabetes, potentially indicating neurovascular complications. Additionally, MRI techniques such as arterial spin labeling (ASL), blood oxygenation level-dependent (BOLD), and diffusion-weighted imaging (DWI) show promise in the early diagnosis and monitoring of diabetic kidney disease (DKD), providing insights into renal perfusion, oxygenation, and structural changes. Overall, MRI's comprehensive capabilities and non-invasive approach make it an essential tool in the clinical management of diabetes, facilitating early intervention and improved patient outcomes.

Guest Editor

Dr. Per Lav Madsen

1. Department of Cardiology, Herlev-Gentofte Hospital, Copenhagen, Denmark
2. Department of Clinical Medicine and The August Krogh Institute, NEXS, Copenhagen University, Copenhagen, Denmark

Deadline for manuscript submissions

closed (28 February 2025)

Diagnostics

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed

mdpi.com/si/211949

Diagnostics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

mdpi.com/journal/diagnostics

Diagnostics

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed

mdpi.com/journal/diagnostics

MDPI

About the Journal

Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Andreas Kjaer
Department of Clinical Physiology, Nuclear Medicine & PET National University Hospital, Rigshospitalet, University of Copenhagen, Blegdamsvej 9, DK-2100 Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).