

Special Issue

Advances in the Diagnosis of Coronary Artery Disease

Message from the Guest Editor

Although our understanding of the biology of atherosclerosis is improving, coronary artery disease (CAD) remains the leading cause of death worldwide. State-of-the-art diagnosis of CAD is crucial for the optimized prediction of adverse events, the management of affected individuals, and the prevention of cardiovascular death. Recent progress in this field has allowed for the precise and early identification of coronary artery segments prone to rupture or erode, as well as a less invasive identification of stenoses causing myocardial ischemia (such as angiography-based coronary flow indices). This Special Issue of *Diagnostics* will focus on challenges, limitations, and future perspectives related to the morphometric and functional assessment of coronary stenosis severity, using both non-invasive and invasive modalities, as well as novel algorithms employing computational fluid dynamics and artificial intelligence.

Guest Editor

Dr. Mariusz Tomaniak

First Department of Cardiology, Medical University of Warsaw, Warsaw, Poland

Deadline for manuscript submissions

closed (31 March 2023)



Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 4.7
Indexed in PubMed



mdpi.com/si/143367

Diagnostics

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

[mdpi.com/journal/
diagnostics](https://mdpi.com/journal/diagnostics)





Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 4.7
Indexed in PubMed



[mdpi.com/journal/
diagnostics](https://mdpi.com/journal/diagnostics)



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, CAPIus / 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 20.3 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2024).