

## Special Issue

# New Advances in Echocardiography

### Message from the Guest Editor

Echocardiography is a well-established and indispensable imaging modality that plays a pivotal role in the evaluation of patients with known or suspected heart disease. Recent technological advancements in echocardiography have allowed the development of new methods that can improve clinical cardiovascular diagnosis and prognosis. The new generation of software and hardware has led to the availability of new echocardiographic techniques for more accurate quantification of volumes, function, myocardial mechanics, and hemodynamic assessment, including transthoracic echocardiogram in adults and fetuses, transesophageal echocardiogram, two-dimensional and three-dimensional speckle tracking echocardiography, real-time-three-dimensional echocardiography, and vector flow mapping. With the rapid growth of complex clinical echocardiography data, artificial intelligence and machine learning came into existence.

### Guest Editor

Dr. Mingxing Xie

Department of Ultrasound Medicine, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan 430022, China

### Deadline for manuscript submissions

closed (31 August 2022)



## Diagnostics

an Open Access Journal  
by MDPI

Impact Factor 3.3  
CiteScore 5.9  
Indexed in PubMed



[mdpi.com/si/100734](https://mdpi.com/si/100734)

*Diagnostics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[diagnostics@mdpi.com](mailto:diagnostics@mdpi.com)

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