



Perspectives on Diagnosis and Management in Cardiac Surgery

Guest Editors:

Dr. Georgios Samanidis

Department of Adult Cardiac Surgery, Onassis Cardiac Surgery Center, 356 Leoforos Syggrou, 17674 Athens, Greece

Dr. Meletios Kanakis

Department of Pediatric and Congenital Heart Surgery, Onassis Cardiac Surgery Center, 356 Leoforos Syggrou, Athens 17674, Greece

Deadline for manuscript submissions:

closed (31 December 2023)

Message from the Guest Editors

New diagnostic approaches for heart and thoracic aorta diseases have arisen in the last 10–15 years. The techniques of 3D transesophageal echocardiography and 3D computed tomography angiography provide a different view for the diagnosis and management of heart and thoracic aorta diseases. Cardiac magnetic resonance has been established as an accurate diagnostic method for the assessment of cardiac anatomy and function. On the other hand, coronary computed tomography is the method of choice for revealing asymptomatic patients with severe coronary artery disease and seems that it will be one of the routine examinations for the diagnosis of patients with suspected coronary artery disease in the future. Artificial intelligence has emerged as a new method for the diagnosis and treatment for patients with heart disease. In addition, 3D printing and reconstruction of the heart and great vessels offer a valuable tool for the accurate diagnosis of acquired and congenital heart diseases.

With great pleasure, we are looking forward to submitting your work and research (research articles and reviews) in this Special Issue .





an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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)

Contact Us

Diagnostics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/diagnostics
diagnostics@mdpi.com
[X@diagnostic_mdpi](https://twitter.com/diagnostic_mdpi)