

Special Issue

Advances in Cardiovascular Imaging—Computed Tomography (CT) Focus Issue

Message from the Guest Editor

Cardiovascular diseases are a major global health concern, with imaging technologies playing a crucial role in their diagnosis and treatment. This Special Issue welcomes original articles addressing novel research in the field of cardiovascular imaging—with a focus on computed tomography (CT), advancing diagnosis, or addressing advances in technology (e.g., photon counting CT). MRI, 18FDG-PET or multimodality imaging studies may also be considered. This Special Issue aims to cover a wide range of topics:

- Coronary artery disease, atherosclerosis, plaque imaging, CV risk prediction by novel imaging biomarkers (e.g., pericardial fat, high-risk plaque), artificial intelligence, cardiovascular inflammation;
- Structural heart disease with a focus on advances in planning novel minimal invasive cardiovascular interventions (aortic, mitral, tricuspidal, and other devices);
- Valvular heart disease, prosthetic valves and other cardiac devices;
- Congenital heart disease, myocardial disease, and infarction.

Further, except for original research, we also encourage the submission of state-of-the-art reviews, case reports and short communications related to the topics listed above.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2025)



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About the Journal

Message from the Editor-in-Chief

The primary goal of the *Journal of Cardiovascular Development and Disease* (*JCDD*, ISSN 2308-3425) is to provide cardiovascular scientists a platform to publish their work in a quick and efficient way. Topics can range from studies designed to decipher the events underlying early heart development to studies focusing on the origins of congenital and acquired heart disease. Papers submitted to *JCDD* undergo a fast, yet thorough, peer-review process. In this process, we will apply strict ethical policies and standards. *JCDD* guarantees fast dissemination of results to a large scientific audience.

Editor-in-Chief

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

Journal Rank:

JCR - Q2 (Cardiac and Cardiovascular Systems) /
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Pharmaceutics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 24.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).