

Special Issue

Coronary CT Angiography, Cardiac MRI and PET/CT Scan: Advancing Cardiac Imaging and Clinical Decision Making in Cardiomyopathies

Message from the Guest Editors

Recent advances in noninvasive cardiac imaging have enhanced the evaluation of cardiomyopathies. Coronary CT angiography (CCTA), cardiovascular magnetic resonance (CMR), and PET/CT now provide complementary information, enabling comprehensive assessment of myocardial structure, function, perfusion, metabolism, and tissue characteristics. These modalities support diagnosis, phenotyping, and risk stratification across hypertrophic, dilated, arrhythmogenic, inflammatory, and infiltrative diseases.

Technological progress has improved diagnostic performance and safety. CCTA enables noninvasive evaluation of coronary anatomy and exclusion of ischemic heart disease. CMR provides precise structural and functional assessment and excels in tissue characterization. PET/CT offers insights into perfusion, metabolism, and inflammation, particularly in inflammatory and infiltrative cardiomyopathies.

This Special Issue aims to present a comprehensive collection of high-quality original research and review articles focusing on advances in multimodality cardiac imaging in cardiomyopathies, with emphasis on imaging biomarkers, AI and radiomics applications, and disease-specific imaging strategies.

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Message from the Editor-in-Chief

Journal of Clinical Medicine (ISSN 2077-0383) is an international, peer-reviewed, open access journal dedicated to advancing clinical and preclinical research. Our Editorial Board and staff are committed to delivering cutting-edge, timely, peer-reviewed articles spanning the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and impactful research articles, as well as reviews that are clinically significant and relevant to the full spectrum of medical disciplines. All full texts are archived in PubMed Central and indexed in SCIE (Web of Science), Scopus, PubMed, and other major databases. We invite you to submit your manuscript for publication, as well as join our community as a reviewer or reader online.

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