

Special Issue

Advances in Cardiovascular Imaging Technologies

Message from the Guest Editor

Cardiac computed tomography (CT) has emerged as a useful technique for providing deeper insights into cardiovascular diseases. Advances in CT technology facilitate cardiac tissue characterization, allowing myocardial tissue types to be differentiated with high resolution. Cardiac CT allows the assessment of tissue properties such as myocardial perfusion, fibrosis, and fat infiltration, which are critical in diagnosing ischemic heart disease, microvascular obstruction, heart failure, cardiomyopathies, and other cardiac conditions.

This Special Issue focuses on current techniques for cardiac tissue characterization using CT, explores the role of texture analysis, and discusses the challenges in achieving precise tissue differentiation.

New research in cardiac CT tissue applications and comparison with cardiac magnetic resonance are required.

Authors are welcome to submit original articles, reports on novel treatment strategies and advances in decision-making, clinical outcome studies, comparative studies, narrative reviews, scoping reviews, and systematic reviews and meta-analyses.

Guest Editor

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