

Special Issue

Cardiovascular Diseases: Advances in Echocardiography and Cardiac Computed Tomography

Message from the Guest Editor

Echocardiography and cardiac computed tomography angiography (CTA) are two leading imaging modalities with an expanding role in the diagnosis and risk stratification of cardiovascular diseases. Coronary CTA is established as the imaging modality of choice for the assessment of patients with a low-to-moderate pre-test likelihood of obstructive coronary artery disease, while the coronary artery calcium score has been recognized as a diagnostic tool to help reclassify risk for patients with a low pre-test likelihood. Beyond these roles, emerging aspects of coronary CTA are gaining attention, including the noninvasive quantification and characterization of coronary atherosclerosis with the use of quantitative coronary plaque analysis, the assessment of ischemia with CT myocardial perfusion analysis, and the hemodynamic assessment of coronary artery stenosis with CT fractional flow reserve. This Special Issue invites original research articles, case studies, case reports, and reviews that highlight novel aspects and clinical applications of echocardiography or cardiac CTA, intending to optimize the diagnosis, risk stratification, and care of patients with cardiovascular disease.

Guest Editor

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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.

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