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Sudden Cardiac Death: Role of Multimodality Imaging in Risk Stratification

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Message from the Guest Editors

Sudden cardiac death (SCD) is the most common cause of cardiovascular death averaging 300–400,000 deaths in the United States annually. From a pathophysiological point of view, SCD is the result of a predisposing substrate upon which a trigger acts, resulting in a lethal ventricular arrhythmia. In the broad spectrum of cardiovascular disease which can cause SCD (including cardiomyopathies, myocarditis, valvulopathies, and primary electrical disorders) the most common underlying cause of SCD is myocardial infarction related scar leading to ventricular tachyarrhythmia. This special issue aims to review the last technical advances in the field of cardiovascular imaging to improve patient's risk assessment for SCD and to discuss the challenges that the cardiovascular imager may face.

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