



Heart Valve Disease and Imaging Techniques

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Message from the Guest Editors

Imaging techniques have catalyzed a paradigm shift in the diagnosis and management of valvular heart disease, offering clinicians profound insights into the intricate mechanics of valve dysfunction. Valvular heart disease encompasses a diverse spectrum of conditions that profoundly affect the heart's valve structures, culminating in disruptive blood flow patterns and eventual consequences such as left ventricular dilatation and the deterioration of both diastolic and systolic function. The precision of evaluating and monitoring these multifaceted conditions holds paramount importance in guiding effective clinical decision making. In this context, a multitude of cutting-edge imaging methodologies have emerged as indispensable instruments, facilitating comprehensive visualization of valve morphology, function, and hemodynamics. The overarching goal of this Special Issue is to underscore how recent advancements in the realms of diagnosis, treatment, and prognosis prediction for various valvular disorders have fundamentally reshaped clinicians' approaches to addressing these complex conditions.





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