

Special Issue

Pathology, Diagnosis, and Treatment of Cardiomyopathies

Message from the Guest Editor

Cardiomyopathy comprises a heterogeneous group of myocardial disorders characterized by structural and functional impairments of the heart. The pathogenetic mechanisms underlying cardiomyopathy are multifactorial and complex, frequently involving interactions between genetic predisposition, environmental influences and lifestyle factors. These contribute to a cascade of pathophysiological alterations that culminate in distinct cardiomyopathy phenotypes. Diagnostic evaluation encompasses detailed clinical history-taking, physical examination, advanced cardiac imaging and endomyocardial biopsy when indicated. Ongoing refinements in imaging modalities and histological techniques have significantly improved diagnostic precision. Management strategies include pharmacotherapy, device-based interventions and other options. Adjunctive lifestyle modification and structured exercise training also contribute to functional recovery. This Special Issue seeks to synthesize current understanding of pathogenic pathways, highlight emerging diagnostic technologies and evaluate novel therapeutic approaches, with the ultimate goal of facilitating personalized management in cardiomyopathy.

Guest Editor

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