



Diagnosis, Monitoring, and Treatment of Chronic Heart Failure

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Message from the Guest Editor

Dear Colleagues,

Heart failure is a growing health problem with significant mortality and morbidity. Diagnostic evaluation of HF patients is critical but often challenging and aims to establish HF diagnosis but also to confirm the underlying etiology. Cardiac imaging including standard and novel echocardiographic techniques (such as speckle tracking and three-dimensional echo) and cardiac magnetic resonance with advanced mapping techniques have expanded our diagnostic and prognostic potential. In addition to standard-of-care natriuretic peptides and troponins, emerging biomarkers including pro-fibrotic peptides (such as ST2) and newer circulating non-coding RNA molecules are being tested as diagnostic and prognostic markers in HF.

The purpose of this Special Issue is to address recent developments but also remaining gaps and challenges in the diagnostic and therapeutic management of chronic HF, focusing specifically on the role of emerging imaging modalities (newer echocardiographic techniques, CMR, etc.) and serum biomarkers; effectiveness of telemonitoring strategies; and implementation of pharmacotherapies and devices in clinical practice.





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