

Special Issue on
**Novel Insights into Postinfarction Cardiac Remodeling
and Therapy**

CALL FOR PAPERS

Cardiovascular disease represents a major public health problem. Myocardial infarction (MI) and associated cardiac remodeling (CR) are major causes of death and disability worldwide. CR progression is a key issue, since it can reduce cardiac systolic and diastolic performance. Moreover, MR is an independent risk factor for the development of heart failure (HF). HF is a complex pathophysiological course linked to the cardiovascular system, as well as other organs and skeletal muscle tissue. The heart becomes unable to meet tissue demands, and chronic fatigue/dyspnea is common symptoms. The mechanisms underlying the transition from postinfarction CR to HF remain incompletely clear.

Since current pharmacological and nonpharmacological therapies are unsuccessful in abrogating postinfarction CR and HF, novel interventional approaches are essential for reducing mortality and morbidity associated with HF. Thus, we invite investigators to contribute original research articles, review articles, and clinical studies that focus on the treatment of MI and/or its transition to HF. A main interest will be given to experimental and clinical manuscripts exploring or discussing significant advances of pharmacological, nonpharmacological, and cellular/genetic interventions to limit MI size, prevent adverse left ventricular (LV) remodeling, and reduce the onset of HF following MI.

Potential topics include but are not limited to the following:

- ▶ Altered LV morphofunctional parameter and molecular signaling in the pathogenesis of CR and HF
- ▶ Advances in the genetics and epigenetics to know key mechanisms of CR and HF
- ▶ Repercussions of peripheral factors for accentuation of CR and a poor prognosis in HF
- ▶ Novel pharmacological and nonpharmacological therapeutic approaches in acute MI and HF
- ▶ Stem cells and/or derivative therapies
- ▶ Biotechnology and tissue engineering
- ▶ Modern devices supporting the heart (e.g., cardiac contractility modulation, ventricular assist devices, and intracardiac atrioventricular nodal vagal stimulation)
- ▶ Surgical noninvasive advances

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/crp/nipc/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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