



Positive and Negative Determinants of Ischaemic Injury—Co-Morbidities and Cardioprotection

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Message from the Guest Editors

Ischaemic heart disease and associated heart attack (acute myocardial infarction, AMI), together with subsequent heart failure are the lead causes of death worldwide, presenting a profound healthcare burden. There is thus a great need for adjunctive protective therapy that can be applied prior to, with or after reperfusion to improve both short and longer term outcomes from AMI (or surgical ischaemia), and extend the effective window for reperfusion. Processes of, and outcomes from, cardiac ischaemia-reperfusion injury are influenced by multiple factors, including comorbidities, sex, age and other gene and phenotypic features. The long-running challenge of cardioprotection can only be met through consideration of these critical positive and negative determinants of outcome.

This Special Issue will focus on the current understanding of the effects of comorbid conditions on myocardial ischaemia-reperfusion processes, influences on cardioprotective signalling and outcomes, and novel strategies for protecting the heart from accidental and surgical I-R.





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Message from the Editor-in-Chief

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