



Cardiovascular Time Series in the Preclinical and Clinical Settings

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Deadline for manuscript
submissions:
closed (20 March 2024)

Message from the Guest Editors

The cardiovascular system is dynamic, and its functions change over time. Heart rate, pressure waveforms and transit times, hemodynamic, atrioventricular conduction, QT interval, myocardial oxygen consumption, and muscle or brain oxygenation are examples of vital signals originating from or transferred by the heart and the vascular system.

Cardiovascular time series have been explored in patients with hypertension, diabetes, heart failure, shock, sepsis, myocardial infarction, or ischaemic stroke, as well as in athletes in relation to their exercise capacity and sports discipline. Some derived parameters have diagnostic value, and others are used for risk prediction, monitoring the progress of the disease, and the effects of therapies or exercise training.

This SI aims to collect submissions on advances in the monitoring and analysis of cardiovascular time series focusing only on human studies with clear physiological or clinical interpretation. Manuscripts challenging the current knowledge with novel findings are also cordially invited.

The following submissions are encouraged: Original studies and retrospective analyses, meta-analyses, reviews, and critical appraisals.





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