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Cardiovascular Care in Transition: From Biomedical Engineering to Digital Medicine

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Message from the Guest Editors

Cardiovascular disease represents the most frequent cause of death in the Western world due to non-communicable entities.

During the previous century, technological innovations led to advances both in the pharmaceutical armamentarium and interventional cardiology and electrophysiology which transformed clinical practice as we knew it. Structural interventional procedures including—but not restricted to—transcatheter heart valve interventions are a prominent example of this evolving transformation. The situation is similar in the field of interventional electrophysiology, with three-dimensional electro-anatomical mapping leading a true paradigm shift in the treatment of arrhythmias.

Applications of artificial intelligence utilizing machine and deep learning algorithms are already present in the field of medical research, covering a wide range of targets from disease diagnosis, staging and treatment to healthcare logistics.

The present Special Issue aims to explore pathophysiological, diagnostic, and treatment aspects of biomedical engineering and digital health in the field of cardiovascular medicine.



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Special Issue



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Message from the Editor-in-Chief

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