

Special Issue

Ventricular Arrhythmias: Current Advances and Future Perspectives

Message from the Guest Editors

Ventricular arrhythmias (VAs) represent a large panorama that is continuously expanding. Indeed, significant progress is affecting different fields, such as the following:

- Sudden death risk stratification in cardiomyopathies and channelopathies. In particular, the application of imaging (e.g., cardiac magnetic resonance) and genetic data increasingly interplay in the stratification of new risk scores. These methods inextricably integrate with anamnestic data and the 12-lead electrocardiogram, with applications for young people and athletes also.
- Development of new tools and strategies for mapping and treating VAs. They may consist in the application of new energy sources like pulse field ablation or recent designs of novel ablator catheters or, on the other hand, employment of new high-density mapping catheters and algorithms/software of 3D mapping systems to improve and facilitate the quick and accurate annotation of pathologic electrograms and reconstruction of the mechanisms of the arrhythmia;
- VA treatment is not only based on catheter ablation. Devices (transvenous, subcutaneous, or extravascular ICD, CRT, physiological pacing, etc.), drugs, and neuromodulation.

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