



Cardiac Ablation: Current Status and Future Perspectives

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Message from the Guest Editors

Dear Colleagues,

Cardiac ablation is an electrophysiological procedure that involves using energy to create scar tissue within the heart to treat various cardiac arrhythmias. The current status of cardiac ablation reflects its widespread use as an effective treatment option for individuals with abnormal heart rhythms including both ventricular and supraventricular tachycardia. This minimally invasive procedure has demonstrated positive outcomes in restoring normal heart rhythm and improving patients' quality of life as well as in such cases to improve survival. A number of different technologies are used in cardiac ablation including 3D electroanatomic mapping systems, intracardiac echocardiography, steerable catheters, and cerebral protection devices. Moreover, different types of energy are employed, such as radiofrequency, cryoablation, pulsed fields, and laser. Future perspectives in cardiac ablation focus on refining existing techniques, exploring novel technologies, and improving patient outcomes.....

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