

Special Issue

Cardiac Pacing, Defibrillation and Cardiac Resynchronization Therapy: New Perspectives in the Diagnosis and Treatment of Arrhythmias and Heart Failure

Message from the Guest Editors

Several groundbreaking innovations, made possible by technological progress, entered the field of cardiac pacing in recent years. In addition to guideline-directed medical therapy, cardiac resynchronization therapy (CRT) is the cornerstone treatment for selected patients with heart failure (HF). Remote monitoring of cardiac implantable electronic devices (CIEDs) is recommended as part of the individualized multidisciplinary follow-up of HF patients. Although useful in the early detection of CIEDs technical issues, cardiac arrhythmias, and impending HF decompensation, there is still uncertainty regarding its effectiveness in reducing mortality and hospitalizations. We would like to explore the impact of leading-edge cardiac pacing technologies on patient outcomes including but not restricted to mortality, hospitalizations, quality of life, cardiac remodeling, device- or procedure-related complications, heart failure management, and arrhythmias diagnosis. In this regard, we encourage researchers to submit their work on the following key aspects of cardiac pacing: cardiac resynchronization therapy, conduction system pacing, leadless pacing, and ablate and pace strategies.

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