

Special Issue

Revolutionizing Arrhythmia Therapy: Novel Approaches in Pacing and Defibrillation

Message from the Guest Editors

The field of cardiac electrophysiology is undergoing a profound transformation driven by technological innovation and refined pathophysiological understanding. Conventional pacing and defibrillation strategies—long the cornerstone of bradyarrhythmia and sudden death prevention—are now being reshaped by the advent of conduction system pacing, leadless stimulation, subcutaneous and extravascular ICDs, and the integration of advanced imaging and remote monitoring. This Special Issue highlights recent advances redefining arrhythmia prevention and treatment, bridging innovative research with clinical practice. Topics of interest include new approaches to conduction system pacing and defibrillation, optimization of device implantation, physiological pacing for heart failure prevention, and arrhythmia detection through artificial intelligence. By gathering cutting-edge research, clinical experience, and technological insights, this Special Issue will offer a forward-looking perspective on how next-generation pacing and defibrillation strategies are revolutionizing the management of arrhythmic disorders and improving patient outcomes.

Guest Editors

Dr. Amato Santoro

Department of Medical Biotechnologies, Division of Cardiology,
University of Siena, Siena, Italy

Dr. Alberto Palazzuoli

Cardiovascular Diseases Unit, Cardio Thoracic and Vascular
Department, Le Scotte Hospital, University of Siena, Viale Bracci 14,
53100 Siena, Italy

Deadline for manuscript submissions

10 May 2026



Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/260929

Journal of Clinical Medicine
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcm@mdpi.com

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There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

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