

## Special Issue

# Contactless Magnetocardiography and Related Novel Methods for Non-Invasive Experimental and Clinical Functional Imaging of Normal and Abnormal Cardiac Electrophysiology

### Message from the Guest Editors

Cardiac arrhythmias are a major burden on global health and patient quality of life. Despite advances in the areas of ablation and pharmacological therapies, both these approaches remain limited, emphasizing the need for accurate, personalized assessment of arrhythmogenic mechanisms to enhance efficacy, minimize risk, and prevent proarrhythmic drug effects. To minimize unnecessary procedural risks and enable timely reevaluations for reproducibility, non-invasive techniques, such as multimodal integration of electrocardiography (ECG) and magnetocardiography (MCG), with anatomical and functional imaging provided by echocardiography, cardiac CT or MRI, should ideally be used to assess human cardiac electrophysiology. In particular, magnetocardiography (MCG) offers a promising, contactless approach for clinical electrophysiological studies. The aim of the Special Issue is to encourage colleagues involved in clinical research to submit original manuscripts.

- magnetocardiography
- non-invasive functional imaging of cardiac electrophysiology
- atrial fibrillation
- magnetoionography

### Guest Editors

Dr. Riccardo Fenici  
Dr. Donatella Brisinda  
Dr. Peter Fenici

### Deadline for manuscript submissions

20 July 2026



## Journal of Clinical Medicine

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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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