



## Catheter Ablation of Atrial Fibrillation: Advances and Challenges

Guest Editors:

**Dr. Nicholas Yick Loong Tan**

Department of Cardiovascular  
Medicine, Mayo Clinic, Rochester,  
MN, USA

**Dr. Christopher V. DeSimone**

Department of Cardiovascular  
Medicine, Mayo Clinic, Rochester,  
MN, USA

Deadline for manuscript  
submissions:

**15 July 2024**

### Message from the Guest Editors

Dear Colleagues,

Atrial fibrillation (AF) is the most common heart rhythm disorder in the United States and many other countries across the globe. Numerous groundbreaking technologies and techniques in AF catheter ablation have been developed over the years, allowing it to mature as a durable option for rhythm control. Despite these advances, many gaps regarding the pathophysiology and mechanisms that initiate and sustain AF remain; in turn, these continue to underpin challenges that we encounter in terms of improving outcomes and minimizing complications.

In this Special Issue, we summarize the tremendous progress made in terms of AF catheter ablation and provide a preview of emerging therapies/modalities that are on the horizon. In addition, we highlight the challenges we currently face and opportunities for future growth. Researchers in the field of clinical arrhythmology and electrophysiology are encouraged to submit their findings as original articles or reviews to this Special Issue. Submissions focusing on innovative approaches, novel technologies, and outcomes of clinical studies are particularly encouraged.





an Open Access Journal by MDPI

## Editors-in-Chief

**Prof. Dr. Emmanuel Andrès**

Internal Medicine Department,  
University Hospital Strasbourg,  
67000 Strasbourg, France

**Prof. Dr. Kent Doi**

Department of Emergency and  
Critical Care Medicine, University  
of Tokyo, Tokyo 113-8655, Japan

## Message from the Editorial Board

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!

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Medicine, General & Internal*) / CiteScore - Q1 (*General Medicine*)

## Contact Us

*Journal of Clinical Medicine* Editorial  
Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/jcm](http://mdpi.com/journal/jcm)  
[jcm@mdpi.com](mailto:jcm@mdpi.com)  
[X@JCM\\_MDPI](https://twitter.com/JCM_MDPI)