



## Cardiovascular Computed Tomography in Clinical Practice

Guest Editors:

**Dr. Marco Guglielmo**

Department of Cardiology,  
Division of Heart and Lungs,  
Utrecht University, Utrecht  
University Medical Center, 3584  
Utrecht, The Netherlands

**Dr. Ibrahim Danad**

Department of Cardiology,  
Amsterdam UMC, Vrije  
Universiteit Amsterdam, De  
Boelelaan 1117, 1081 HV  
Amsterdam, The Netherlands

**Dr. Saima Mushtaq**

Department of Cardiovascular  
Imaging, Centro Cardiologico  
Monzino IRCCS, Via C. Parea 4,  
20138, Milan, Italy

Deadline for manuscript  
submissions:

**closed (15 July 2023)**

### Message from the Guest Editors

During the last 20 years, cardiac computed tomography (CCT) has emerged as a technique that can provide crucial diagnostic and prognostic information in different clinical scenarios. CCT is now recommended by the international scientific society as a key tool in patients with acute and chronic coronary artery disease (CAD). Moreover, recent developments such as the study of myocardial perfusion and fractional flow reserve have transformed CCT into a one-stop test able to offer all the anatomical and functional information to guide the management of patients with CAD. Finally, there is increasing evidence that CCT can be used for tissue characterization with remarkable clinical value, including the assessment of ischemic and non-ischemic cardiomyopathies.

This Special Issue aims to discuss the potential and challenges of new and established clinical applications of cardiovascular CT.

- cardiac computed tomography (CCT)
- coronary artery disease
- structural heart disease
- congenital heart disease
- atherosclerosis
- plaque composition
- pericoronary fat inflammation
- ischemic and non-ischemic cardiomyopathies





an Open Access Journal by MDPI

## Editors-in-Chief

**Prof. Dr. Emmanuel Andrès**

Internal Medicine Department,  
University Hospital Strasbourg,  
67081 Strasbourg, France

**Prof. Dr. Kent Doi**

Department of Emergency and  
Critical Care Medicine, The  
University of Tokyo, Tokyo, 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, CAPlus / SciFinder, and other databases.

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

## Contact Us

---

*Journal of Clinical Medicine* Editorial  
Office  
MDPI, Grosspeteranlage 5  
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)