



## Diagnosis and Treatment of Aortic Diseases

Guest Editor:

**Dr. Guillaume Goudot**

Division of Cardiology,  
Massachusetts General Hospital,  
Harvard Medical School, Boston,  
MA, USA

Deadline for manuscript  
submissions:

**30 May 2024**

### Message from the Guest Editor

Dear Colleagues,

The aorta has a variety of unique characteristics compared to other arteries. Due to its large caliber, the aorta is subject to high hemodynamic stresses and rotational flows influenced by the aortic valve, aortic curvatures in all three planes of space, and the departure of multiple arterial branches. These constraints influence the development of pathologies that play a significant role in overall mortality: atherosclerosis of the aorta, which is responsible for a substantial portion of strokes and systemic embolisms, dissection, and hematoma of the aortic wall. The aortic wall is thus subject to intense remodeling, which is the starting point of these diseases, with the development of plaques, wall inflammation, or matrix alterations leading to zones of fragility. Imaging the aorta remains complex due to the difficulty of thoracic exploration, the thinness of the aorta wall, and the constant movements requiring tracking devices. The therapy is no simpler, as the complex surgery involves cardiac, thoracic[...]

For further reading, please follow the link to the Special Issue Website at: [https://www.mdpi.com/journal/jcm/](https://www.mdpi.com/journal/jcm/special_issues/LRK232D7IT)

[special\\_issues/LRK232D7IT](https://www.mdpi.com/journal/jcm/special_issues/LRK232D7IT)





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 Acute Care  
Medicine, 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, 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)