



## Heart Valve Surgery: Repair or Replacement?

Guest Editor:

**Dr. Ilias P. Doulamis**

Department of Surgery, Boston  
Children's Hospital, Children's  
Hospital, 300 Longwood Ave,  
Boston, MA 02115, USA

Deadline for manuscript  
submissions:

**closed (20 January 2024)**

### Message from the Guest Editor

Dear Colleagues,

Aortic valve disease—congenital or acquired—represents a big cluster of the cardiac surgery procedures performed in everyday practice. Different approaches have been suggested for fixing a diseased aortic valve, mainly divided into replacement with a mechanical or bioprosthetic valve and repair of the valve leaflets. The disease pathophysiology, surgical approach, patient population, and intervention criteria are some of the determining factors for choosing the optimal surgical intervention for aortic valve disease. Despite the implementation of new guidelines and the conduction of multiple clinical studies over the years, there is still controversy regarding the optimal approach in terms of short-term and long-term outcomes for aortic valve surgery.

Thus, the aim of this Special Issue is to unveil the role of surgical repair and replacement of the aortic valve in advanced valvular disease and highlight all the aspects of different approaches currently in practice.





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)