

Special Issue

Contemporary Clinical Treatment Options and Outcomes of Aortic Valve Disease

Message from the Guest Editors

The aortic valve is not only anatomically located at the center of the heart, but the diseases of this valve are also becoming an important subject for cardiologists and surgeons. Although its function was generally thought to be entirely passive, contemporary investigations have brought completely new insight into the complex physiology of the aortic root, thus opening a new field related to the understanding, diagnosis, and treatment of aortic valve diseases. Since 1952, with the first Hufnagel aortic valve prosthesis implantation in descending thoracic aorta at Georgetown University, Washington DC, much has been accomplished in the field. Advances in science and technology, spanning from genetics and molecular biology to bioengineering and biotechnology, have opened new horizons in aortic valve disease diagnosis and treatment options. I believe that this Special Issue will help to clarify some important and current questions regarding clinical and surgical practice, and to induce inspiration and yield new insights into aortic valve disease science.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2024)



Journal of Cardiovascular Development and Disease

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 3.7
Indexed in PubMed



mdpi.com/si/148659

*Journal of Cardiovascular
Development and Disease*
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About the Journal

Message from the Editor-in-Chief

The primary goal of the *Journal of Cardiovascular Development and Disease* (JCDD, ISSN 2308-3425) is to provide cardiovascular scientists a platform to publish their work in a quick and efficient way. Topics can range from studies designed to decipher the events underlying early heart development to studies focusing on the origins of congenital and acquired heart disease. Papers submitted to *JCDD* undergo a fast, yet thorough, peer-review process. In this process, we will apply strict ethical policies and standards. *JCDD* guarantees fast dissemination of results to a large scientific audience.

Editor-in-Chief

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