

Special Issue

Aortic Stenosis: Pathophysiological Mechanism, Multimodality Imaging, and Contemporary Treatment

Message from the Guest Editors

Aortic stenosis is the most common acquired valvular disease in developed nations and a major cause of morbidity and mortality worldwide. The last two decades have seen transformative advances in both the diagnostic and therapeutic landscapes.

Echocardiography remains the cornerstone of diagnosis, while cardiac CT and cardiac MRI have expanded the possibilities for risk stratification, structural assessment, and treatment planning. We invite submissions of original research articles, clinical trials, translational studies, and state-of-the-art reviews related to all aspects of AS. Topics of interest include the following:

- Pathophysiological and molecular mechanisms of AS progression;
- Advances in echocardiography, cardiac CT, and cardiac MRI for diagnosis and prognosis;
- Development and validation of risk-stratification models;
- Comparative outcomes of SAVR and TAVR, including durability and long-term follow-up;
- Patient selection strategies and shared decision-making tools;
- Emerging pharmacological and interventional therapies;
- Quality of life and global perspectives on AS management.

Guest Editors

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