



Clinical Advances in Valvular Heart Diseases

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Message from the Guest Editor

Valvular heart disease (VHD) is an increasing cause of cardiovascular morbidity and mortality worldwide. This overall burden is set to rise as the global population ages and access to diagnostic techniques expands. Fortunately, this challenge is being met by renewed interest from the scientific community in the pathophysiology of valve disease, new potential pharmacotherapeutic agents, and novel surgical and minimally invasive techniques. Advances in imaging, such as 3D echocardiography and cardiac MRI, have improved diagnostic accuracy.

Innovative treatments like Transcatheter Aortic Valve Replacement (TAVR) and MitraClip are transforming management, particularly for high-risk patients. Enhanced surgical methods, including minimally invasive and robotic-assisted procedures, offer better outcomes and quicker recovery. The Editors of this Special Issue have collated a series of manuscripts detailing key advancements in the diagnosis, management, and treatment of aortic, mitral, tricuspid, and pulmonary valve diseases, highlighting how the medical community is rising to the challenge of VHD.





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