



Recent Developments in Transcatheter Aortic Valve Implantation

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Message from the Guest Editor

Dear Colleagues,

Aortic stenosis (AS) is a common heart valve disease that can lead to heart failure and death. For patients with AS, valve repair or replacement surgery has historically been the mainstay of treatment, given that medical treatments have no proven benefit. However, transcatheter aortic valve implantation (TAVI) is increasingly becoming a preferred treatment option when compared to surgery, particularly for patients at an advanced age or those with comorbidities, as recovery from the treatment is typically much quicker.

TAVI is a minimally invasive treatment, as biological valve implantation is performed percutaneously (on top of the diseased valve without its removal) via an intra-arterial sheath. This technology has evolved over the past 20 years to be equivalent in terms of safety and efficacy to aortic surgery with up to 10 years follow-up.

This Special Issue aims to promote academic exchanges, progress the field of TAVI, and promote the widespread application of this technology in the treatment of heart valve diseases, including in more complex patient cases and scenarios.

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