



Transcatheter Aortic Valve Replacement: Current Status and Future Perspectives

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Message from the Guest Editor

Transcatheter aortic valve implantation (TAVI) has recently become the gold standard treatment for elderly patients affected by severe aortic stenosis regardless individual risk profile.

Although evidence from the latest randomized clinical trials has shown that TAVI is comparable or even superior to surgical aortic valve replacement, its adoption for younger patients is currently restricted to those at increased surgical risk due to the limited data available at long-term.

Latest iterations of TAVI devices have introduced different improvements with the aim to improve valve performances and facilitate valve deployment, whereas insights from CT assessment during TAVI workup and at follow-up have been highlighting the importance of a careful, patient-tailored procedure planning for ensuring optimal acute results and reducing potential issues that might have an impact in the long term.

This Special Issue of the *Journal of Clinical Medicine* aims to attract original research articles, reviews, and short communications on the latest evidence in TAVI practice, with a particular look at device performances, coronary re-access, bicuspid aortic valves and long-term outcomes.





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