

Special Issue

Aortic Valve Replacement: Ongoing Issues and Challenges

Message from the Guest Editors

Transcatheter aortic valve replacement (TAVR) has been considerably expanded this last decade, as large randomized controlled trials have demonstrated its benefit in patients with continuously decreasing risk profiles. As a consequence, several hundred thousand TAVR procedures have already been performed worldwide. Although operators' experience has grown, device technology and insight on TAVR complications have advanced, and much more remains to be done to further improve outcomes following the intervention. In fact, numerous aspects are worthy of investigations, including but not limited to, the targeted population and diseases, procedure performance and complications, prevention of ischemic and bleeding complication, management of conduction or arrhythmia, understanding the implication of valve thrombosis and describing the long term performance of the TAVR device and the risk of re-intervention on the TAVR device. This Special Issue of the journal aims to address the gaps in knowledge in the management and surveillance of TAVR, including state of the art reviews, as well as focused original research contributions.

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