

Special Issue

Future Perspective for Transcatheter Aortic Valve Replacement

Message from the Guest Editors

Very recently, transcatheter aortic valve implantation (TAVR) has been reported to be superior to traditional surgical aortic valve replacement (SAVR), even in younger patients with low perioperative risk. In light of these findings, we expect a further expansion of the worldwide TAVR procedures. However, this also means that possible TAVR complications and their avoidance are becoming increasingly important. Additional knowledge about the underlying mechanisms of complications or factors leading to valve deterioration are crucial for any specific valve design or for optimization of the implantation procedure. New imaging techniques can help in the development and improvement of both. The further expansion of the TAVR procedure can only be successful if these gaps of knowledge can be filled with scientific evidence. In summary, the further expansion of TAVR indication worldwide is both an opportunity and a responsibility. The present Special Issue aims to discuss and present future perspectives for transcatheter aortic valve replacement to accelerate the further development.

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