



Transcatheter Aortic Valve Replacement in the Clinical Management of Heart Valve Disease

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

It has been over 20 years since the late Dr. Alain Cribier performed the first transcatheter aortic valve implantation (TAVI).

While numerous compelling studies have been conducted and new findings are reported daily, many clinical questions remain unanswered. What is the optimal use of balloon-expandable versus self-expanding transcatheter heart valves? What new roles can imaging modalities such as CT and MRI play in preprocedural risk assessments? How can stroke prevention best be achieved with cerebral embolic protection devices? What are the optimal techniques and pre-procedural assessments for valve-in-valve procedures, including TAV-in-TAV? How can we leverage artificial intelligence to enhance the TAVI procedure?

In this Special Issue, we would like to invite all researchers involved in TAVI to contribute original articles and comprehensive reviews for the further advancement of this field and to share new knowledge. Together, we will push the boundaries of TAVI, fostering further progress in the field and sharing groundbreaking insights.

Dr. Masahiko Asami

Guest Editor

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