Special Issue

Current Advances in Valvular Heart Diseases

Message from the Guest Editor

Valvular heart diseases are a major public health problem associated with an increased risk of morbidity and mortality when not treated. Early and timely valvular heart disease intervention is associated with improved outcomes. However, valvular heart diseases frequently go underdiagnosed or are diagnosed late, often leading to no intervention or delayed intervention. This Special Issue highlights strategies for the early diagnosis of valvular heart disease, such as artificial intelligence, and the broadening understanding of mechanisms of valvular heart disease and their impact on the type and timing of intervention. The topics of interest for this Special Issue include, but are not limited to, the following:

- Machine learning and artificial intelligence applications in valvular heart disease;
- Evaluation and management of primary and secondary mitral regurgitation;
- Evaluation and management of primary and secondary tricuspid valve regurgitation;
- Transcatheter valve therapies for aortic, mitral, and tricuspid valve disease;
- Minimally invasive surgical strategies for the treatment of valvular heart disease.

Guest Editor

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