

## Special Issue

# Structural Heart Interventions and Technological Innovation: New Perspectives in Pre-Procedural Planning

### Message from the Guest Editors

Structural heart interventions are rapidly evolving, driven by advances in imaging, device technology, computational modeling, and patient-specific procedural planning.

This Special Issue, Structural Heart Interventions and Technological Innovation: New Perspectives in Pre-Procedural Planning, focuses on innovation in the preparation and optimization of transcatheter procedures for structural heart disease, including transcatheter aortic valve replacement (TAVR), transcatheter mitral and tricuspid interventions, left atrial appendage occlusion (LAAO), atrial septal defect (ASD) and patent foramen ovale (PFO) closure, and other emerging therapies.

We welcome contributions on technological innovation and pre-procedural planning in structural heart interventions, including multimodality imaging, image fusion, 3D reconstruction, virtual and mixed reality simulation. Original research articles, clinical studies, systematic reviews, and expert perspectives are invited. Submissions that demonstrate how these tools enhance patient selection, optimize device choice, improve procedural guidance, and support personalized transcatheter treatment strategies are particularly encouraged.

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### Guest Editors

Dr. Gavino Casu  
Dr. Pierluigi Merella  
Dr. Valentina Micheluzzi

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### Deadline for manuscript submissions

15 November 2026



## Medicina

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