

Special Issue

Clinical Update on Aortic Valve Disease Treatments

Message from the Guest Editor

The aortic valve, central to cardiac anatomy, causes major global morbidity through stenosis (AS) and regurgitation (AR). Rheumatic heart disease remains dominant in developing regions, while fibro-calcific degeneration and aortic root dilation drive AS/AR in industrialized areas. Clinical signs warrant transthoracic echocardiography for diagnosis. Accurate staging and symptom detection guide therapeutic choices between medication, surgery, or transcatheter interventions. Immediate surgery is critical for acute AR management. Pioneered by Dr. Hufnagel in 1952, aortic valve prostheses revolutionized cardiac surgery, evolving from basic replacements to Ross procedure, valve-sparing techniques, and transcatheter replacements.

This Special Issue invites original studies on current aortic valve interventions. Surgeons and interventionalists are encouraged to share insights on surgical advancements and transcatheter technologies in this critical cardiovascular domain.

Guest Editor

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