

Special Issue

Valve Diseases: Diagnosis and Treatment Innovations

Message from the Guest Editors

Cardiac surgery has recently seen significant advancements with innovative technologies reshaping cardiovascular care. Valve diseases remain a major global health issue, necessitating novel approaches to improve patient outcomes. This Special Issue presents cutting-edge research, comprehensive reviews, and expert opinions on the latest concepts revolutionizing cardiac surgery. Focusing on minimally invasive techniques, robot-assisted surgeries, trans-catheter interventions, and hybrid procedures, this Special Issue highlights advancements that enhance recovery and reduce complications. Additionally, it explores regenerative medicine and tissue engineering, offering new therapeutic opportunities for patients with heart diseases. We will also address valve repair and the renewed interest in the Ross procedure, which is particularly important for infective endocarditis. Also, with the idea of Heart Team, by fostering multidisciplinary collaboration among cardiac surgery, cardiology, and radiology experts, this Special Issue aims to inspire further research and innovation, ultimately striving to redefine the future of cardiac surgery and improve patient care.

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