



The treatment of mitral regurgitation in the 21st Century

In the recent year mitral valve treatment underwent a significant evolution. The emerging technology of transcatheter mitral valve replacement (TMVR) has deeply influenced the scenario of the surgical management of mitral regurgitation. At the same time, new concepts in mitral disease based on the relation between of the left ventricle, subvalvular apparatus and mitral valve as a functional unit, have been proposed.

Established and more modern surgical techniques have been further developed, with a renovated interest to surgery of the subvalvular apparatus. Progresses have been made in the field of minimally invasive and robotic surgery, opening the way to new paradigms in mitral valve surgery.

In this special issue, the most recent developments and trends in mitral surgery will be discussed. Original articles, reviews, commentaries, case reports and “how-to-do it” contributions will be taken into consideration for this issue. The aim is to provide a realistic and updated status of mitral regurgitation treatment based on the most recent evidence in this field.

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Message from the Editor-in-Chief

Reviews in Cardiovascular Medicine was launched in 2000 by MedReviews, LLC, in New York, NY. This journal was conceived to fill a critical gap for clinicians who were struggling with a rapidly expanding knowledge base in cardiovascular medicine with the convergence of basic science, clinical epidemiology, and therapeutic clinical trials. The founding co-editors were David P. Faxon, MD, past president of the American Heart Association, and Norman E Lepor, MD, who is considered a luminary in interventional cardiology. The contributing editorial board grew over time and Dr. Peter A. McCullough, MD, MPH ascended from contributing, to associate, to co-editor of the Journal. In 2018, the Journal took its next big step under the leadership of Dr. McCullough as editor-in-chief to become a truly international publication. Its offices moved to IMR Press in Hong Kong, and the editorial board was made more inclusive and representative of the world-wide contributors in academic cardiology. Additionally, the journal brought on expertise in translational medicine to help face the future of molecular medicine and its role in cardiovascular disease. Today *Reviews in Cardiovascular Medicine* is considered a top tier journal in cardiology with timely and comprehensive reviews covering all aspects of cardiovascular medicine including atherosclerosis, myocardial disease, arrhythmias, and valvular heart disease. The scope of papers ranges from population science, applied basic investigation, in-vitro diagnostics, and evidence-based strategy and therapeutic trials involving both pharmacologic intervention and interventional devices. The highly integrative style of the Journal anchored with evidence tables and instructive figures has garnered many citations over the years and many guidelines documents have relied upon works published in *Reviews in Cardiovascular Medicine*. Supplement and focus issues have been very popular among the readership and often are viewed as the most up-to-date compilations of new knowledge in cardiology and related specialities. The future is bright for academic cardiovascular medicine and *Reviews in Cardiovascular Medicine* is well positioned along side the clinician-investigator in the years to come as a trusted source of critical information and analysis.

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