

## عنوان مقاله:

.Double Valve Replacement (Mitral and Aortic) for Rheumatic Heart Disease: A 20-year experience with 300 patients

## محل انتشار:

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## خلاصه مقاله:

Introduction: Rheumatic heart disease still remains one of the leading causes of congestive heart failure and death owing to valvular pathologies, in developing countries. Valve replacement still remains the treatment of choice in such patients. The aim of this study was to analyze the postoperative outcome of double valve replacement (Mitral and Aortic) in patients of rheumatic heart disease. Materials and Methods: Between 1988 and 2008, 300 patients of rheumatic heart disease underwent double (Mitral and Aortic) valve replacement with Starr Edwards valve or St Jude mechanical valve prosthesis were implanted. These patients were studied retrospectively for preoperative data and postoperative outcome including causes of early and late deaths and the data was analyzed statistically. Results: The 30-day hospital death rate was 11.3% and late death occurred in 11.6%. Anticoagulant regimen was followed to maintain the target pro-thrombin time at 1.5 times the control value. The actuarial survival (exclusive of hospital mortality) was 92.4%, 84.6%, and 84.4%, per year at 5, 10, and 20 years, respectively. Conclusions: In view of the acknowledged advantage of superior durability, increased thromboresistance in our patient population, and its cost effectiveness the Starr-Edwards ball valve or St. Jude valve is the mechanical prosthesis of choice for advanced combined valvular disease. The low-intensity anticoagulant regimen has offered sufficient protection against thromboembolism as well as hemorrhage.

## کلمات کلیدی:

Double Valve Replacement, Rheumatic Heart Disease, Starr Edwards Valve, St. Jude Valve

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