

P98. Long-term Results In Patients Submitted To Mitral Repair With No Ring With The Double Teflon Technique

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OBJECTIVES: It is a common statement that every mitral repair should be stabilized by some type of prosthetic mitral ring. The purpose of this paper is to present the late results of a modification in the technique of mitral valve quadrangular resection, the DOUBLE TEFLON TECHNIQUE.

METHODS: Between July 1994 and December 2007, 213 patients with mitral insufficiency due to ruptured or elongated chordae tendineae of the posterior leaflet, underwent mitral valve repair with this technique, which consists in quadrangular resection of the posterior leaflet, annulus plication with "pledgetted" stitches over a Teflon patch, and leaflet suture, without ring annuloplasty. The mean age was 60.0 +/- 13.1 years and 61.0% patients were male. In the preoperative period, 27.7% of the patients were in New York Heart Association functional class IV. Associated techniques of mitral valve repair were employed in 18 patients (8.4%), the most common was chordal shortening. Associated procedures were performed in 38 patients (17.8%).

RESULTS: There was one operative death (0.5%). Actuarial survival at 15 years was 88.8 +/- 6.3%. Freedom from reoperation was 83.9 +/- 8.5% at 15 years. Linearized rates of thromboembolism and endocarditis were 0.3% and 0.1% patient/year, respectively. There were no episodes of hemolysis.

CONCLUSIONS: Mitral repair without annuloplasty rings can be performed safely, with a good long- term evolution in 15 years.