

Outcome of Moderate functional tricuspid regurge using Tricuspid valve suture annuloplasty vs. conservative approach in patients undergoing Mitral valve replacement

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Abstract:

Objectives : We investigated the early outcome in patients with moderate tricuspid regurge undergoing mitral valve surgery and at 1 year after operation to assess whether suture annuloplasty was associated with better results than conservative technique or not.

Methods: We reviewed patients, prospectively at the department of cardiothoracic surgery, Cairo University, who underwent suture tricuspid annuloplasty (n=34) versus those who had conservative approach(n=34) by leaving the tricuspid valve unattended in the settings of concomitant mitral valve surgery for rheumatic valve disease with a mean follow up of 12 months.

Results: Thirty day mortality was zero in both groups, tricuspid regurge grade was lower for both groups after 12 months follow up by echocardiography with no significant statistical difference, there was no need for reoperation for tricuspid regurgitation in both groups by the end of the first year post operatively.

Conclusion: Conservative approach was associated with acceptable results, the annuloplasty group showed a tendency for better results in the early post-operative course and for prolonged follow-up periods.

Key words: functional tricuspid regurgitation – suture annuloplasty – rheumatic mitral valve