

Surgical Outcome in Bentall's Procedure

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Background

It is well recognized that Bentall's procedure is one of the demanding surgeries in adults. We report the short term results following Bentall's procedure in seventeen consecutive patients operated in the last 5 years.

Method

Seventeen patients underwent Bentall's procedure during the period of 2003 till date with a mean age of 38.6 (range 30 to 65) years. Thirteen patients presented with ascending aortic aneurysm while the rest had aortic dissection. All the patients had moderate to severe aortic incompetence. Two patients underwent emergency surgery. Mean aortic diameter at surgery was 8.26 cm (range 6 to 10 cm) among the group of patients with aneurysm. Two patients underwent a concomitant procedure of mitral valve repair.

Result

Overall hospital mortality was 11.76% (2 patients requiring emergency surgery). Two patients required sub-xiphoid pericardial drainage for pericardial effusion in the post operative period. All the patients are in regular follow up and they have improved NYHA functional class and none have required re-operation.

Conclusion

Bentall's procedure when performed as an emergency is associated with higher risk otherwise can be performed with acceptable morbidity and mortality.