Determinants of Failure After Repair of a Degenerative Mitral Valve.



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INTRO

- Mitral Valve Prolapse (MVP) Occurs in 3% of the adult population & is the commonest cause of mitral Valve regurgitation in the UK and US.
- No or late treatment of Mitral Regurgitation is associated with a poor late prognosis
- Durable Repair of a Prolapsing mitral valve is possible and is associated with better outcomes than with Mitral Valve Replacement.
- There are modifiable and non-modifiable causes of Repair Failure

METHODS

- All patients who underwent mitral valve repair surgery in Sheffield over the past 15 years (cardiac surgery database) and who had at minimum of 1 echocardiogram at least 1 year after surgery.
- Patients with moderate or worse mitral regurgitation will be classed as having a failed repair.
- Pre-operative, intra-operative and postoperative variables of the patients will be entered into a multivariate regression analysis to determine independent factors associated with repair failure.

DISCUSSION

- Early surgery to treat mitral regurgitation associated with improved prognosis.
- If early Repair advocated, it must be durable.
- Treatment of Patients with early disease & unmodifiable factors associated with failure, should be delayed
- Modifiable factors can be managed to improve repair durability and survival.

References

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What can be modified to improve

durability of a Mitral Valve Repair



and survival of patients

with Mitral Valve Prolapse, the

commonest cause of Mitral Valve

Regurgitation in the



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