Table-1

The results of the RCT studies

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| --- | --- | --- | --- | --- | --- | --- |
| Study | Year | No. of Patients | Intervention | Comparator | p Value | Note |
| Fattouch et. al  [19619766] | 2009 | 201 | MV repair+CABG | CABG | NS | 5 years f/u with no difference in mortality.  Patient in MVr arm had better LV reverse remodeling and improved NYHA class |
| Chan et. al  [23136163] | 2012 | 73 | MV repair + CABG | CABG | <0.001 | Primary endpoint was VO2 consumption. Not a survival study |
| Smith et. al  [25405390] | 2014 | 301 | MV repair + CABG | CABG | NS | Primary endpoint: LVESVI change.  ≥Moderate MR patients were included.  One year follow up |
| Michler et. al  [27040451] | 2016 | 301 | MV repair + CABG | CABG | NS | 2-year follow up |
| Acker et. al  [24245543] | 2014 | 251 | MV Repair + CABG | MV Replacement +  CABG | NS | Primary endpoint: LVESVI  At 30 days, there was a 30% recurrence rate of MR in repair group. At one year, MR recurrence was 32.6%. |
| Goldstein et. al  [26550689] | 2016 | 251 | MV Repair + CABG | MV Replacement +  CABG | NS | Severe MR recurrence of repair group at 2 years was 58.8% vs. 3.8%. |