Electronic supplementary material

Figure S1: Quality assessment of the included studies

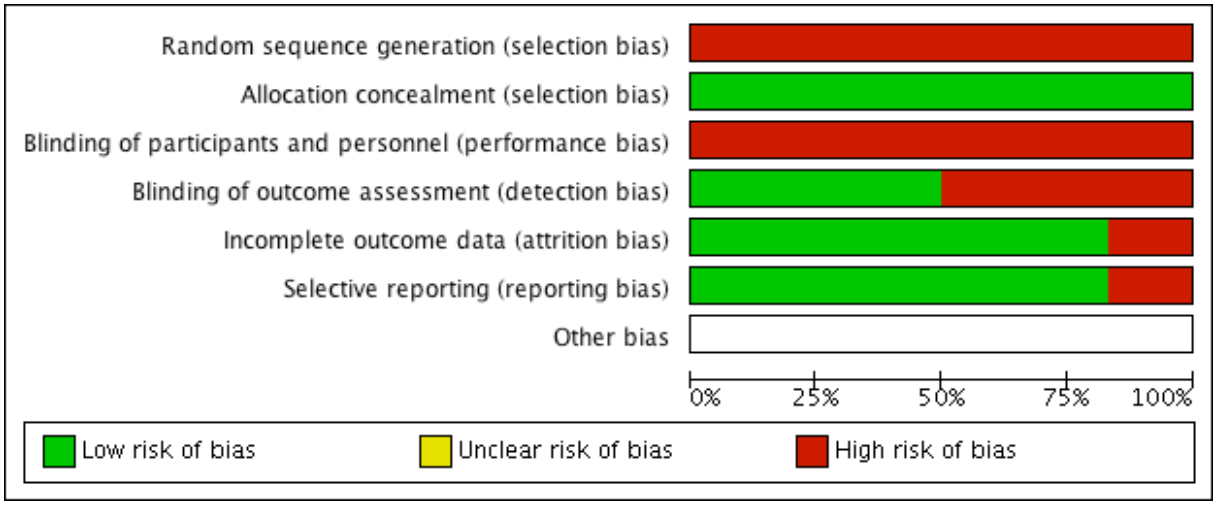



Figure S3: Forrest plot of preoperative left ventricle ejection fraction

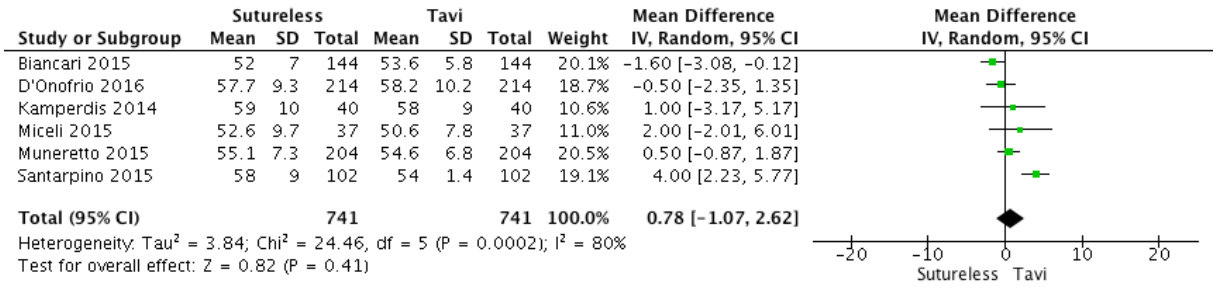



Figure S4: Forrest plot of preoperative renal failure

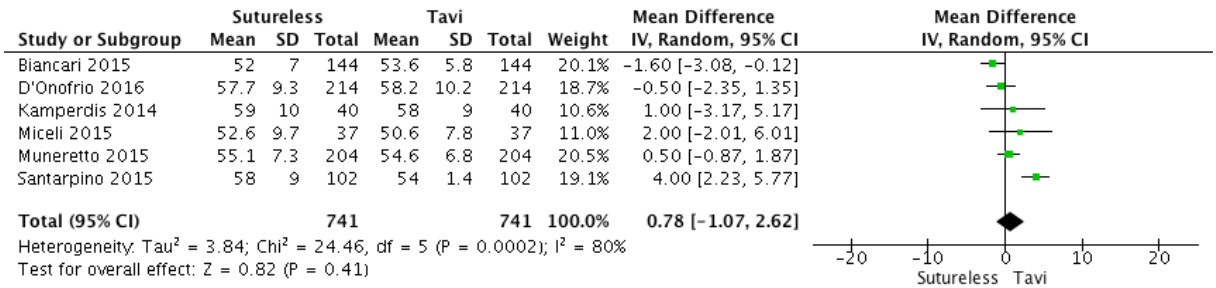


Figure S5: Forrest plot of patients' gender

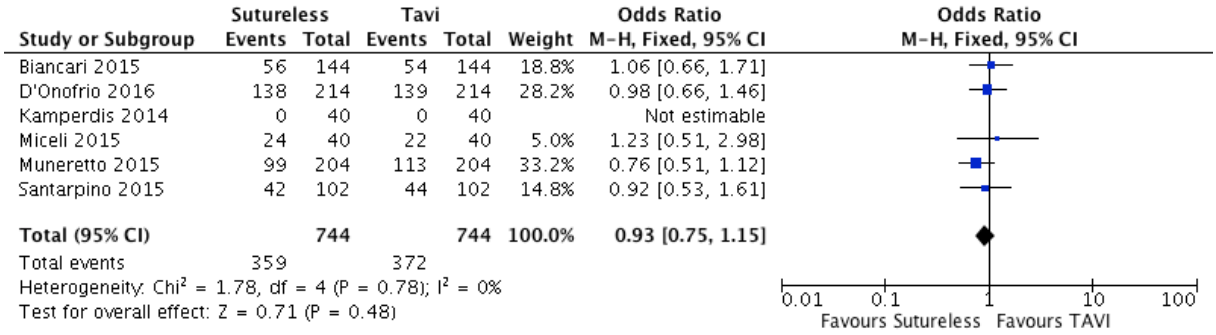



Figure S6: Forrest plot of REDO patients

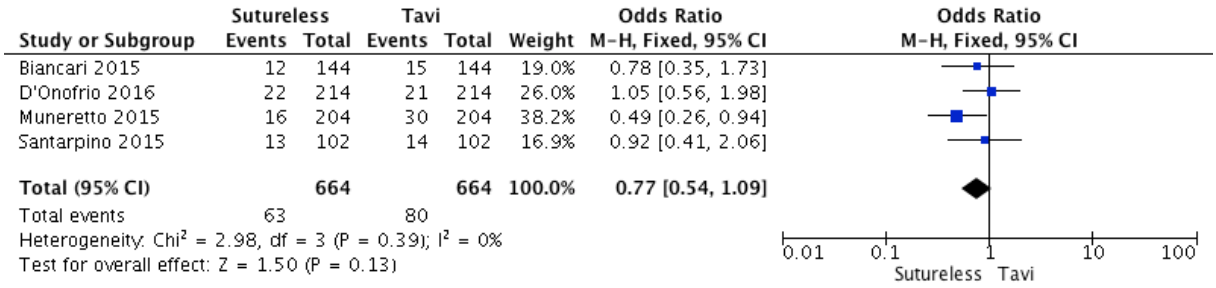



Figure S7: Forrest plot preoperative age

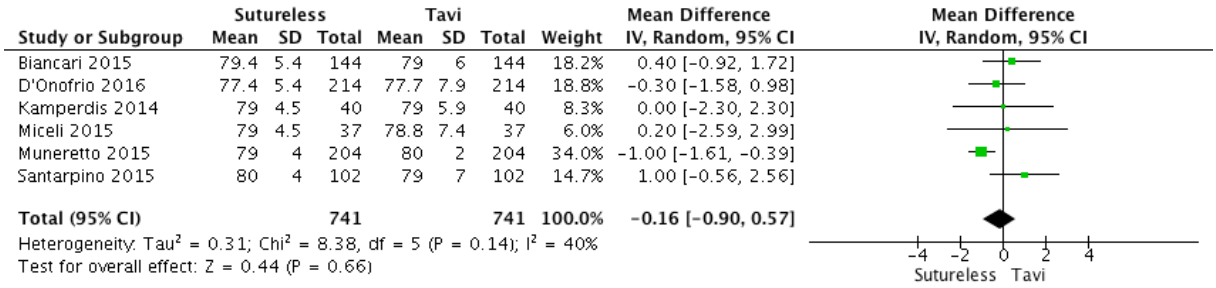



Figure S8: Forrest plot of preoperative EuroSCORE

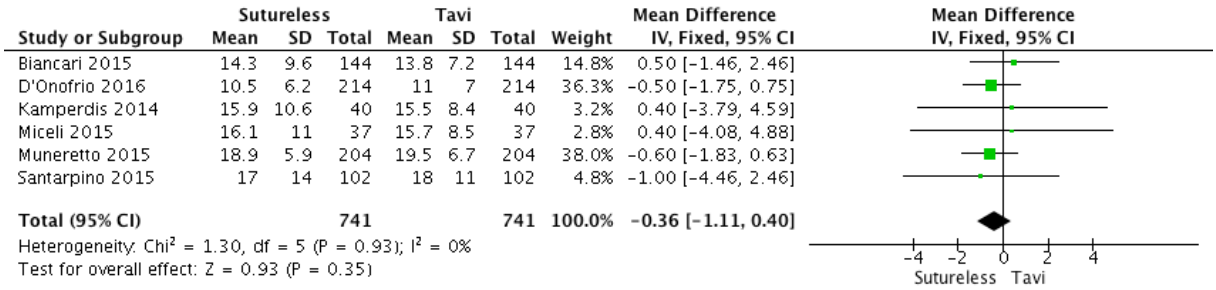



Figure S9: Forrest plot of preoperative diabetes

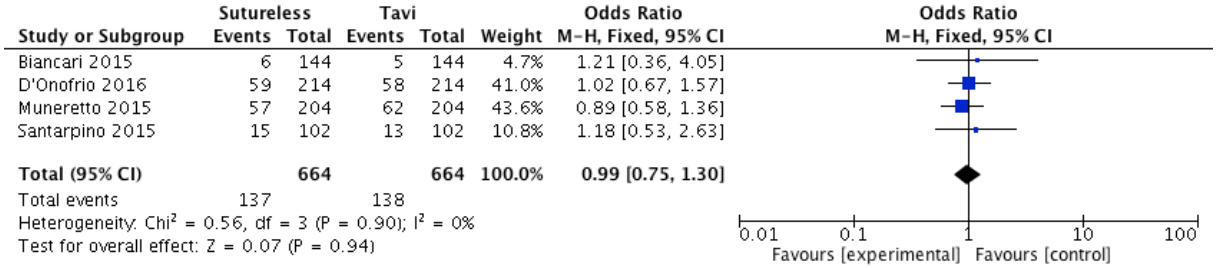



Figure S10: Forrest plot of preoperative CAD

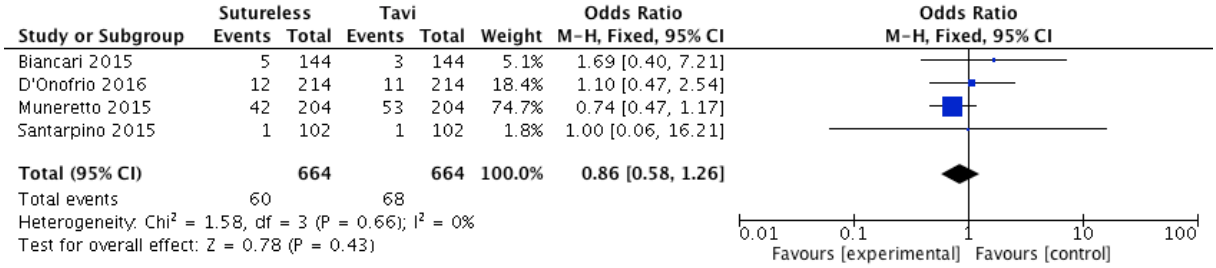



Figure S11: Forrest plot of preoperative extracardiac arteriopathy

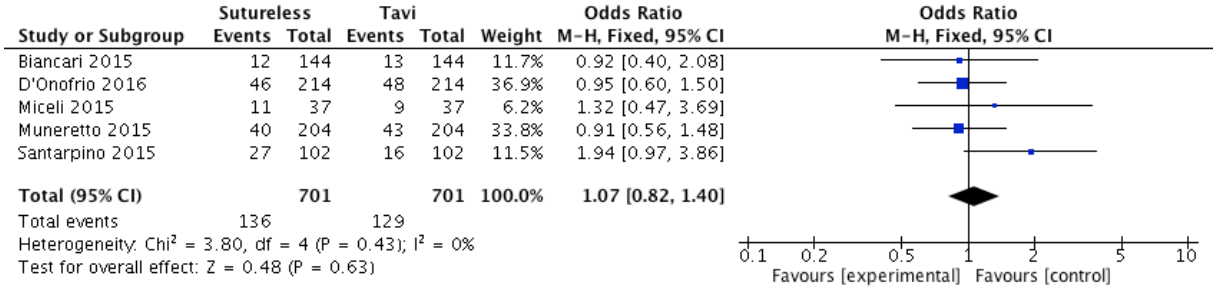



Figure S12: Forrest plot of NYHA class III-IV

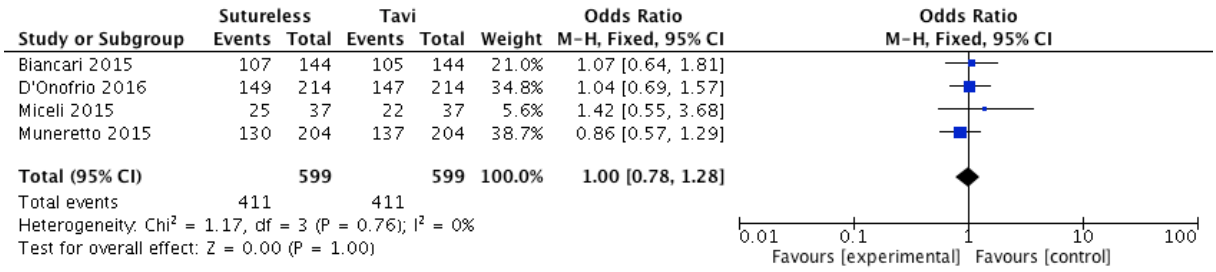
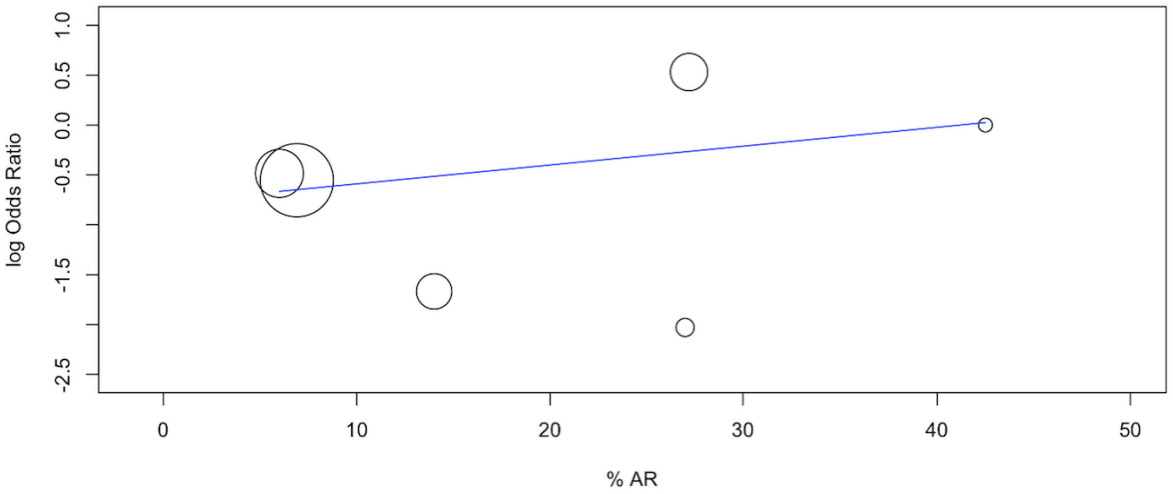


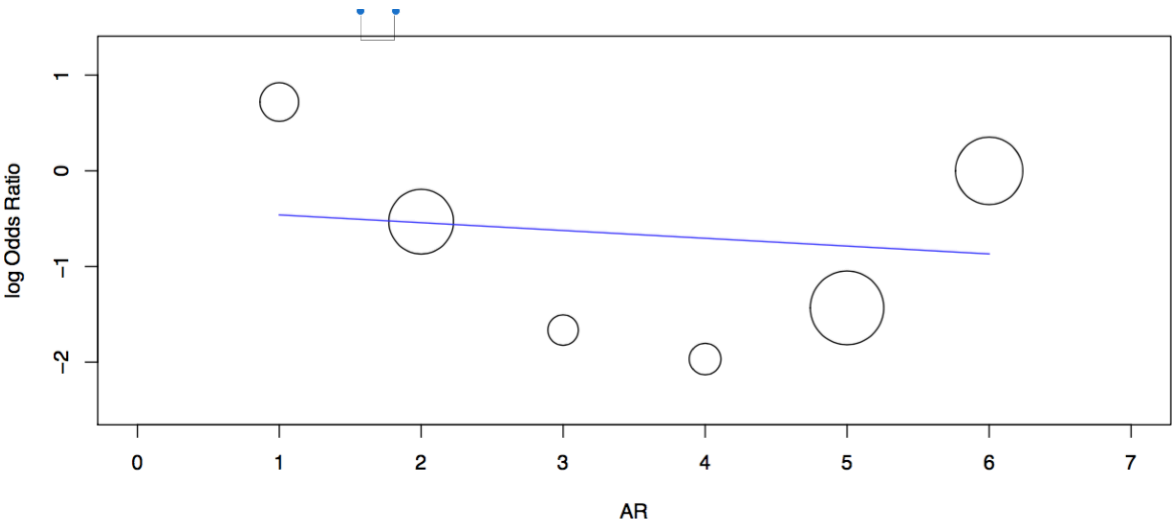

Figure S14: Metaregression evaluating the relation between postoperative mortality and postoperative aortic regurgitation and between postoperative mortality and postprocedural stroke




| Covariate | Coefficients | Lower bound | Upper bound | Std. error | p-Value |
|---|---|---|---|---|---|
| Intercept | -0.779 | -1.648 | 0.090 | 0.443 | 0.079 |
| % AR | 0.019 | -0.042 | 0.080 | 0.031 | 0.543 |

Omnibus p-Value
0.543

Figure S17: Metaregression evaluating the relation between postoperative stroke and postoperative aortic regurgitation and postoperative aortic regurgitation and acute kidney injury




| Covariate | Coefficients | Lower bound | Upper bound | Std. error | p-Value |
|---|---|---|---|---|---|
| Intercept | -0.379 | -2.158 | 1.399 | 0.907 | 0.676 |
| AR | -0.082 | -0.485 | 0.322 | 0.206 | 0.692 |

Omnibus p-Value 0.692