**Supplemental Table 1**

Supplemental table 1: differences between patient with and without a new PPI. BMI = body mass index, AV = atrioventricular, AVB = atrioventricular block, LBBB = Left bundle branch block, RBBB = right bundle branch block, PPI = permanent pacemaker implantation

**Supplemental Table 2**

**Supplemental table 2:** table to show the differences in PPI and PVL in the validated cut-off points. PPI = permanent pacemaker implantation, CPI = contact pressure index, PVL = paravalvular leakage