**S2 Table. Clinical Outcomes: PCI group versus CABG group in patients with two-vessel or three-vessel disease who underwent multi-vessel revascularization including proximal LAD.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **PCI group** | **CABG group** | **Crude**  | **P value** | **Adjusted** | **P value** |
| **N of patients with events** | **N of patients with events** | **HR** | **HR** |
| **(Cumulative incidence)** | **(Cumulative incidence)** | **(95％CI)** | **(95％CI)** |
| **N=1508** | **N=854** |
| **Primary outcome measure** |  |  |  |  |  |  |
|  | **A composite of death, MI, or stroke** | 455(25.0%) | 228 (21.9%) | 1.09  | 0.28  | 1.22  | 0.06 |
|  | (0.93-1.28) | (0.99-1.49) |
| **Secondary outcome measures** |  |  |  |  |  |  |
|  | **All-cause death** | 291(15.1%) | 153(13.6%) | 1.02  | 0.80  | 1.14  | 0.31 |
|  | (0.84-1.25) | (0.89-1.45) |
|  |  | **Cardiovascular death** | 142(7.4%) | 89(8.7%) | 0.86 | 0.27 | 1.02 | 0.90  |
|  |  | (0.66-1.13) | (0.73-1.43) |
|  |  | **Cardiac death** | 102(5.3%) | 63(6.7%) | 0.87  | 0.41 | 1.04 | 0.84  |
|  |  | (0.64-1.20) | (0.70-1.54) |
|  |  |  | **Sudden cardiac death** | 27(1.7%) | 19(2.1%) | 0.77 | 0.39 | 0.92 | 0.80  |
|  |  |  | (0.43-1.41) | (0.51-1.68) |
|  |  | **Non-cardiovascular death** | 149(8.3%) | 64(5.4%) | 1.25 | 0.13 | 1.29 | 0.17  |
|  |  | (0.94-1.69) | (0.89-1.87) |
| 　 |  | **Non-cardiac death** | 189(10.3%) | 90(7.5%) | 1.13  | 0.34 | 1.22 | 0.22  |
| 　 |  | (0.88-1.46) | (0.89-1.68) |
| 　 | **Myocardial infarction** | 　 | 　 | 　 | 　 | 　 | 　 |
| 　 |  | **ARC definition** | 131(8.1%) | 49(5.7%%) | 1.47 | 0.02 | 1.65 | 0.02 |
| 　 |  | (1.07-2.07) | (1.08-2.51) |
|  |  |  | **Periprocedural MI** | 83(5.4%) | 35(4.1%) | 1.33  | 0.15 | 1.54 | 0.10  |
|  |  |  | (0.90-1.99) | (0.92-2.59) |
|  |  |  | **Spontaneous MI** | 48(2.7%) | 14(1.6%) | 1.82 | 0.049 | 2.19 | 0.01  |
|  |  |  | (1.00-3.30) | (1.19-4.01) |
| 　 |  | **ARTS definition** | 91(5.5%) | 24(2.8%) | 2.08 | 0.0007 | 2.45 | 0.002  |
| 　 |  | (1.35-3.33) | (1.39-4.31) |
| 　 | **Definite stent thrombosis or symptomatic graft occlusion** | 9(0.7%) | 8(1.1%) | 0.62 | 0.32  | NA | NA |
| 　 | (0.24-1.64) | NA |
| 　 | **Stroke** | 116(7.0%) | 63(6.4%) | 1.00  | 1.00  | 1.17  | 0.44  |
| 　 | (0.74-1.37) | (0.79-1.74) |
| 　 |  | **Ischemic stroke** | 92(5.4%) | 50(5.0%) | 1.00  | 1.00  | 1.17 | 0.50  |
| 　 |  | (0.71-1.42) | (0.75-1.83) |
| 　 |  | **Hemorrhagic stroke** | 31(2.0%) | 16(1.7%) | 1.06  | 0.85  | 1.09 | 0.79  |
| 　 |  | (0.59-1.98) | (0.59-2.01) |
| 　 |  | **Major stroke** | 86(5.3%) | 48(5.0%) | 0.98 | 0.90  | 1.17 | 0.51  |
| 　 |  | (0.69-1.40) | (0.74-1.84) |
| 　 | **Hospitalization for HF** | 150(9.4%) | 91(10.0%) | 0.87  | 0.30  | 1.02  | 0.92  |
| 　 | (0.67-1.13) | (0.73-1.42) |
| 　 | **Major bleeding** | 　 | 　 | 　 | 　 | 　 | 　 |
| 　 | 　 | **BARC type 3,4, or 5** | 235(15.1%) | 326(37.0%) | 0.34  | <.0001 | 0.36  | <.0001 |
| 　 | 　 | (0.29-0.40) | (0.29-0.45) |
|  |  |  | **In-hospital bleeding** | 38(2.5%) | 259(30.3) | 0.08 | <.0001 | 0.09 | <.0001 |
|  |  |  | (0.06-0.11) | (0.06-0.13) |
|  |  |  | **Out-of-hospital bleeding** | 197(12.6%) | 67(6.8%) | 1.63 | 0.00  | 1.83 | 0.0007  |
|  |  |  | (1.23-2.15) | (1.29-2.60) |
| 　 | 　 | **BARC type 3** | 211(13.7%) | 122(13.5%) | 0.94  | 0.60  | 1.02  | 0.88  |
| 　 | 　 | (0.75-1.18) | (0.77-1.36) |
| 　 |  | **BARC type 4** | 12(0.7%) | 194(22.6%) | 0.03 | <.0001 | 0.04 | <.0001 |
| 　 |  | (0.02-0.06) | (0.02-0.08) |
| 　 | 　 | **BARC type 5** | 12(0.8%) | 10(1.2%) | 0.65  | 0.32  | NA | NA |
| 　 | 　 | (0.28-1.54) | NA |
| 　 | 　 | **GUSTO moderate or severe** | 195(12.5%) | 536(62.2%) | 0.15  | <.0001 | 0.16  | <.0001 |
| 　 | 　 | (0.13-0.18) | (0.13-0.20) |
|  |  |  | **In-hospital bleeding** | 22(1.5%) | 515(60.3%) | 0.02 | <.0001 | 0.02 | <.0001 |
|  |  |  | (0.01-0.03) | (0.02-0.04) |
|  |  |  | **Out-of-hospital bleeding** | 173(11.0%) | 21(2.0%) | 4.65 | <.0001 | 6.22 | <.0001 |
|  |  |  | (3.03-7.53) | (3.64-10.6) |
| 　 | 　 | **GUSTO severe** | 108(6.8%) | 97(11.0%) | 0.59  | 0.0002  | 0.59  | <.0001 |
| 　 | 　 | (0.45-0.77) | (0.42-0.83) |
| 　 | **Target-vessel revascularization** | 398(25.6%) | 105(11.9%) | 2.20  | <.0001 | 2.53  | <.0001 |
| 　 | (1.78-2.74) | (1.92-3.35) |
| 　 | 　 | **Ischemia-driven target-vessel revascularization** | 197(11.9%) | 65(7.1%) | 1.68  | 0.0003  | 1.60  | <.0001 |
| 　 | 　 | (1.27-2.23) | (1.12-2.28) |
| 　 | **Any coronary revascularization** | 477(31.1%) | 118(13.2%) | 2.40  | <.0001 | 2.71  | <.0001 |
| 　 | (1.97-2.95) | (2.09-3.52) |
| 　 | 　 | **Ischemia-driven any coronary revascularization** | 234(14.6%) | 72(7.6%) | 1.82  | <.0001 | 1.60  | 0.006 |
| 　 | 　 | (1.40-2.37) | (1.15-2.23) |
| 　 | **A composite of death, MI, stroke, or any coronary revascularization** | 781(47.1%) | 306(30.4%) | 1.56  | <.0001 | 1.68  | <.0001 |
| 　 | (1.37-1.78) | (1.41-1.99) |