Supplementary table A: background characteristics in complete-case population

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| **Variable** | **Women (n=5,685)** | **Men (n=10,572)** | **p-value** |
| **Age** | 70 (±0.15) | 67 (±0.11) | **<0.001** |
| **BMI** | 25.6 (±0.07) | 26.4 (±0.04) | **<0.001** |
| **NYHA**  I-II  III-IV | 2372 (42%)  3313 (58%) | 5933 (56%)  4639 (44%) | **<0.001** |
| **CCS score**  I  II-III  IV-V | 4130 (73%)  1202 (21%)  348 (6%) | 7648 (72%)  2383 (23%)  536 (5%) | **0.004** |
| Diabetes | 424 (8%) | 792 (8%) | 0.932 |
| Hypertension | 2923 (51%) | 5380 (51%) | 0.522 |
| Active smoker | 233 (4%) | 461 (4%) | 0.182 |
| Preoperative AKI | 36 (1%) | 80 (1%) | 0.372 |
| **Urgency**  Elective  Urgent | 4951 (87%)  734 (13%) | 9394 (89%)  1178 (11%) | **<0.001** |
| **Previous MI** | 370 (7%) | 853 (8%) | **<0.001** |
| Re-do sternotomy | 353 (6%) | 717 (7%) | 0.160 |
| Preoperative COPD | 640 (11%) | 1139 (11%) | 0.361 |
| **Previous stroke/TIA** | 368 (7%) | 603 (6%) | **0.048** |
| **PVD** | 207 (4%) | 424 (4%) | 0.245 |
| **Preoperative AF** | 2207 (39%) | 3696 (35%) | **<0.001** |
| **Coronary disease** | 934 (16%) | 2661 (25%) | **<0.001** |
| **EF range**  Good  Moderate  Poor | 2823 (50%)  1205 (21%)  1657 (29%) | 5035 (48%)  2424 (23%)  3113 (29%) | **<0.001** |
| **MV lesion**  Regurgitation  Stenosis  Mixed | 5192 (91%)  236 (4%)  257 (5%) | 10320 (98%)  141 (1%)  111 (1%) | **<0.001** |

Bold indicates statistical significance. *NYHA, New York Heart Association; CCS, Canadian Cardiovascular Society; AKI, acute kidney injury; IMD, index of multiple deprivation; MI, myocardial infarction; COPD, chronic obstructive pulmonary disease; PVD, peripheral vascular disease; AF, atrial fibrillation; EF, ejection fraction; MV, mitral valve.*