Supplemental Table 5. Baseline characteristics of patients with steroid use prior to cardiac arrest

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Before propensity score matching | | | |  | | |  | After propensity score matching | | | | |
|  |  | Steroid |  | Non- steroid | Standardized difference | |  | Steroid | | |  | Non- steroid | Standardized difference |
| **Baseline characteristics** | | n=2227 |  | n=4728 |  | n=2188 | | |  | n=2188 |
|  |  | n(%) |  | n(%) |  | n(%) | | |  | n(%) |
| Age (years) |  | 70.22±14.68 |  | 70.06±14.77 | 0.011 | |  | 70.24±14.70 | | |  | 70.24±14.86 | 0 |
| Gender (Male) |  | 1307 (58.69%) |  | 2748 (58.12%) | 0.012 | |  | 1284 (58.68%) | | |  | 1307 (59.73%) | 0.021 |
| Presenting complaint |  |  |  |  | 0.135 | |  |  | | |  |  | 0.018 |
|  | Cardiac event | 420 (18.86%) |  | 805 (17.03%) |  | |  | 412 (18.83%) | | |  | 417 (19.06%) |  |
|  | Respiratory event | 341 (15.31%) |  | 551 (11.65%) |  | |  | 325 (14.85%) | | |  | 312 (14.26%) |  |
|  | Other event | 481 (21.6%) |  | 1025 (21.68%) |  | |  | 475 (21.71%) | | |  | 474 (21.66%) |  |
|  | Unknown | 985 (44.23%) |  | 2347 (49.64%) |  | |  | 976 (44.61%) | | |  | 985 (45.02%) |  |
| Diabetes mellitus |  | 799 (35.88%) |  | 1752 (37.06%) | 0.024 | |  | 787 (35.97%) | | |  | 801 (36.61%) | 0.013 |
| Hypertension |  | 1249 (56.08%) |  | 2667 (56.41%) | 0.007 | |  | 1226 (56.03%) | | |  | 1248 (57.04%) | 0.020 |
| Coronary artery disease | | 528 (23.71%) |  | 1288 (27.24%) | 0.081 | |  | 524 (23.95%) | | |  | 509 (23.26%) | 0.016 |
| Heart failure |  | 450 (20.21%) |  | 1032 (21.83%) | 0.040 | |  | 441 (20.16%) | | |  | 424 (19.38%) | 0.020 |
| Atrial fibrillation |  | 178 (7.99%) |  | 409 (8.65%) | 0.024 | |  | 174 (7.95%) | | |  | 177 (8.09%) | 0.005 |
| Chronic kidney disease | | 287 (12.89%) |  | 719 (15.21%) | 0.067 | |  | 286 (13.07%) | | |  | 288 (13.16%) | 0.003 |
| Malignancy |  | 376 (16.88%) |  | 911 (19.27%) | 0.062 | |  | 371 (16.96%) | | |  | 366 (16.73%) | 0.006 |
| Chronic obstructive lung disease | | 724 (32.51%) |  | 1278 (27.03%) | 0.120 | |  | 699 (31.95%) | | |  | 703 (32.13%) | 0.004 |
| Asthma |  | 343 (15.4%) |  | 495 (10.47%) | 0.147 | |  | 320 (14.63%) | | |  | 301 (13.76%) | 0.025 |
| Adrenal insufficiency |  | 37 (1.66%) |  | 47 (0.99%) | 0.058 | |  | 33 (1.51%) | | |  | 27 (1.23%) | 0.024 |
| Autoimmune disease |  | 86 (3.86%) |  | 99 (2.09%) | 0.104 | |  | 72 (3.29%) | | |  | 69 (3.15%) | 0.008 |
| Shockable rhythm |  | 512 (22.99%) |  | 1237 (26.16%) | 0.074 | |  | 504 (23.03%) | | |  | 519 (23.72%) | 0.016 |
| Epinephrine dosage (mg) | | 5.57±4.87 |  | 6.41±5.73 | 0.158 | |  | 5.60±4.89 | | |  | 5.56±4.65 | 0.009 |
| Vasopressin |  | 6 (0.27%) |  | 6 (0.13%) | 0.032 | |  | 6 (0.27%) | | |  | 4 (0.18%) | 0.019 |
| Tertiary medical center |  | 669 (30.04%) |  | 1176 (24.87%) | 0.116 | |  | 652 (29.8%) | | |  | 654 (29.89%) | 0.002 |
| Urbanization level of residence | | |  |  | 0.064 | |  |  | | |  |  | 0.027 |
|  | 1 (high) | 538 (24.18%) |  | 1088 (23.02%) |  | |  | 530 (24.22%) | | |  | 523 (23.9%) |  |
|  | 2 | 957 (43.01%) |  | 2083 (44.07%) |  | |  | 941 (43.01%) | | |  | 925 (42.28%) |  |
|  | 3 | 194 (8.72%) |  | 484 (10.24%) |  | |  | 193 (8.82%) | | |  | 191 (8.73%) |  |
|  | ≥ 4 (low) | 536 (24.09%) |  | 1072 (22.68%) |  | |  | 524 (23.95%) | | |  | 549 (25.09%) |  |
|  | missing | 2 |  | 1 |  | |  |  | | |  |  |  |
| Geographic distribution | |  |  |  | 0.191 | |  |  | | |  |  | 0.037 |
|  | Taipei | 775 (34.83%) |  | 1624 (34.36%) |  | |  | 766 (35.01%) | | |  | 780 (35.65%) |  |
|  | Northern | 258 (11.6%) |  | 663 (14.03%) |  | |  | 257 (11.75%) | | |  | 244 (11.15%) |  |
|  | Central | 657 (29.53%) |  | 1423 (30.1%) |  | |  | 646 (29.52%) | | |  | 659 (30.12%) |  |
|  | Southern | 261 (11.73%) |  | 321 (6.79%) |  | |  | 245 (11.2%) | | |  | 240 (10.97%) |  |
|  | Kaopin | 184 (8.27%) |  | 446 (9.44%) |  | |  | 184 (8.41%) | | |  | 169 (7.72%) |  |
|  | Eastern | 90 (4.04%) |  | 250 (5.29%) |  | |  | 90 (4.11%) | | |  | 96 (4.39%) |  |
|  | missing | 2 |  | 1 |  | |  |  | | |  |  |  |

Standardized difference = difference in means or proportions divided by standard error; imbalance defined as absolute value greater than 0.10 (small effect size)