Supplemental Table 6. Baseline characteristics of patients without steroid use prior to cardiac arrest

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Before propensity score matching | | | | | |  | After propensity score matching | | | | |
|  |  | Steroid |  | Non- steroid | Standardized difference |  | Steroid | | |  | Non- steroid | Standardized difference |
| **Baseline characteristics** | | n=3250 |  | n=9024 |  | n=3248 | | |  | n=3248 |
|  |  | n(%) |  | n(%) |  | n(%) | | |  | n(%) |
| Age (years) |  | 66.33±17.07 |  | 67.14±17.13 | 0.047 |  | 66.33±17.07 | | |  | 66.39±17.62 | 0.004 |
| Gender (Male) |  | 1936 (59.57%) |  | 5346 (59.24%) | 0.007 |  | 1936 (59.61%) | | |  | 1924 (59.24%) | 0.008 |
| Presenting complaint |  |  |  |  | 0.075 |  |  | | |  |  | 0.012 |
|  | Cardiac event | 657 (20.22%) |  | 1850 (20.5%) |  |  | 655 (20.17%) | | |  | 656 (20.2%) |  |
|  | Respiratory event | 355 (10.92%) |  | 786 (8.71%) |  |  | 355 (10.93%) | | |  | 354 (10.9%) |  |
|  | Other event | 699 (21.51%) |  | 2009 (22.26%) |  |  | 699 (21.52%) | | |  | 714 (21.98%) |  |
|  | Unknown | 1539 (47.35%) |  | 4379 (48.53%) |  |  | 1539 (47.38%) | | |  | 1524 (46.92%) |  |
| Diabetes mellitus |  | 933 (28.71%) |  | 2657 (29.44%) | 0.016 |  | 933 (28.73%) | | |  | 913 (28.11%) | 0.014 |
| Hypertension |  | 1359 (41.82%) |  | 3956 (43.84%) | 0.041 |  | 1358 (41.81%) | | |  | 1351 (41.59%) | 0.004 |
| Coronary artery disease | | 506 (15.57%) |  | 1577 (17.48%) | 0.051 |  | 505 (15.55%) | | |  | 494 (15.21%) | 0.009 |
| Heart failure |  | 295 (9.08%) |  | 941 (10.43%) | 0.046 |  | 295 (9.08%) | | |  | 275 (8.47%) | 0.022 |
| Atrial fibrillation |  | 109 (3.35%) |  | 369 (4.09%) | 0.039 |  | 109 (3.36%) | | |  | 110 (3.39%) | 0.002 |
| Chronic kidney disease | | 293 (9.02%) |  | 904 (10.02%) | 0.034 |  | 293 (9.02%) | | |  | 281 (8.65%) | 0.013 |
| Malignancy |  | 189 (5.82%) |  | 598 (6.63%) | 0.034 |  | 189 (5.82%) | | |  | 185 (5.7%) | 0.005 |
| Chronic obstructive lung disease | | 316 (9.72%) |  | 769 (8.52%) | 0.042 |  | 316 (9.73%) | | |  | 293 (9.02%) | 0.024 |
| Asthma |  | 82 (2.52%) |  | 165 (1.83%) | 0.048 |  | 82 (2.52%) | | |  | 86 (2.65%) | 0.008 |
| Adrenal insufficiency |  | 6 (0.18%) |  | 6 (0.07%) | 0.033 |  | 6 (0.18%) | | |  | 4 (0.12%) | 0.016 |
| Autoimmune disease |  | 18 (0.55%) |  | 37 (0.41%) | 0.021 |  | 18 (0.55%) | | |  | 14 (0.43%) | 0.018 |
| Shockable rhythm |  | 834 (25.66%) |  | 2545 (28.2%) | 0.057 |  | 834 (25.68%) | | |  | 809 (24.91%) | 0.018 |
| Epinephrine dosage (mg) | | 5.73±5.51 |  | 6.45±6.48 | 0.119 |  | 5.74±5.51 | | |  | 5.77±5.33 | 0.006 |
| Vasopressin |  | 14 (0.43%) |  | 22 (0.24%) | 0.032 |  | 14 (0.43%) | | |  | 9 (0.28%) | 0.026 |
| Tertiary medical center |  | 980 (30.15%) |  | 2437 (27.01%) | 0.070 |  | 979 (30.14%) | | |  | 996 (30.67%) | 0.011 |
| Urbanization level of residence | |  |  |  | 0.098 |  |  | | |  |  | 0.008 |
|  | 1 (high) | 895 (27.54%) |  | 2302 (25.51%) |  |  | 894 (27.52%) | | |  | 888 (27.34%) |  |
|  | 2 | 1351 (41.57%) |  | 4152 (46.02%) |  |  | 1351 (41.59%) | | |  | 1363 (41.96%) |  |
|  | 3 | 283 (8.71%) |  | 811 (8.99%) |  |  | 283 (8.71%) | | |  | 283 (8.71%) |  |
|  | ≥ 4 (low) | 721 (22.18%) |  | 1758 (19.48%) |  |  | 720 (22.17%) | | |  | 714 (21.98%) |  |
|  | Missing | 1 |  |  |  |  |  | | |  |  |  |
| Geographic distribution | |  |  |  | 0.143 |  |  | | |  |  | 0.033 |
|  | Taipei | 1224 (37.66%) |  | 3618 (40.1%) |  |  | 1224 (37.68%) | | |  | 1226 (37.75%) |  |
|  | Northern | 443 (13.63%) |  | 1423 (15.77%) |  |  | 442 (13.61%) | | |  | 436 (13.42%) |  |
|  | Central | 873 (26.86%) |  | 2175 (24.11%) |  |  | 872 (26.85%) | | |  | 890 (27.4%) |  |
|  | Southern | 307 (9.45%) |  | 590 (6.54%) |  |  | 307 (9.45%) | | |  | 312 (9.61%) |  |
|  | Kaopin | 245 (7.54%) |  | 680 (7.54%) |  |  | 245 (7.54%) | | |  | 220 (6.77%) |  |
|  | Eastern | 158 (4.86%) |  | 537 (5.95%) |  |  | 158 (4.86%) | | |  | 164 (5.05%) |  |
|  | Missing | 1 |  |  |  |  |  | | |  |  |  |

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