Supplemental Table 13. Outcomes between dose levels of steroid use per day in matched patients

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Steroid dose level** | **N** | **Death, n (%)** | **HR (95% CI)** | **P** | **Adjusted HR (95% CI)** | **P** |
| Total patients | |  |  |  |  |  |  |
| Survival to discharge | |  |  |  |  |  |  |
|  | Non- steroid | 5445 | 4403 (80.86%) | 1 |  | 1 |  |
|  | ≤50 mg/day | 3964 | 2787 (70.31%) | 0.631 (0.602~0.662) | <.0001 | 0.626 (0.596~0.657) | <.0001 |
|  | > 50 mg/day | 1481 | 1332 (89.94%) | 1.234 (1.160~1.312) | <.0001 | 1.140 (1.071~1.213) | <.0001 |
| One-year survival | |  |  |  |  |  |  |
|  | Non- steroid | 5445 | 4779 (87.77%) | 1 |  | 1 |  |
|  | ≤50 mg/day | 3964 | 3156 (79.62%) | 0.652 (0.623~0.682) | <.0001 | 0.633 (0.605~0.662) | <.0001 |
|  | > 50 mg/day | 1481 | 1393 (94.06%) | 1.183 (1.114~1.256) | <.0001 | 1.064 (1.002~1.130) | 0.0418 |
| Patients with Steroid use prior to cardiac arrest | |  |  |  |  |  |  |
| Survival to discharge | |  |  |  |  |  |  |
|  | Non- steroid | 2188 | 1787 (81.67%) | 1 |  | 1 |  |
|  | ≤50 mg/day | 1527 | 1109 (72.63%) | 0.672 (0.623~0.725) | <.0001 | 0.651 (0.603~0.703) | <.0001 |
|  | > 50 mg/day | 661 | 585 (88.5%) | 1.206 (1.097~1.325) | <.0001 | 1.130 (1.028~1.241) | 0.0115 |
| One-year survival | |  |  |  |  |  |  |
|  | Non- steroid | 2188 | 1957 (89.44%) | 1 |  | 1 |  |
|  | ≤50 mg/day | 1527 | 1265 (82.84%) | 0.676 (0.629~0.725) | <.0001 | 0.646 (0.602~0.694) | <.0001 |
|  | > 50 mg/day | 661 | 617 (93.34%) | 1.111 (1.015~1.217) | 0.0227 | 1.034 (0.944~1.133) | 0.4677 |
| Patients without Steroid use prior to cardiac arrest | |  |  |  |  |  |  |
| Survival to discharge | |  |  |  |  |  |  |
|  | Non- steroid | 3248 | 2630 (80.97%) | 1 |  | 1 |  |
|  | ≤50 mg/day | 2433 | 1674 (68.80%) | 0.611 (0.574~0.650) | <.0001 | 0.613 (0.576~0.652) | <.0001 |
|  | > 50 mg/day | 815 | 746 (91.53%) | 1.284 (1.184~1.394) | <.0001 | 1.172 (1.079~1.272) | 0.0001 |
| One-year survival | |  |  |  |  |  |  |
|  | Non- steroid | 3248 | 2832 (87.19%) | 1 |  | 1 |  |
|  | ≤50 mg/day | 2433 | 1887 (77.56%) | 0.636 (0.600~0.674) | <.0001 | 0.63 (0.594~0.668) | <.0001 |
|  | > 50 mg/day | 815 | 774 (94.97%) | 1.266 (1.169~1.371) | <.0001 | 1.126 (1.039~1.22) | 0.0038 |

\*adjusted for Age, Cardiac catheterization, Epinephrine dose, Gender, Presenting complaint, Shock No., Shockable rhythm

CI=confidence interval; HR=Hazard ratio