| ***Variable*** | ***Nonoperative (n = 65)*** | ***Operative (n = 101)*** | ***p*** |
| --- | --- | --- | --- |
| index\_group: IR | 22 (34%) | 0 (0%) | **9e-48** |
| index\_group: OR\_K | 0 (0%) | 101 (100%) | **9e-48** |
| index\_group: SM | 43 (66%) | 0 (0%) | **9e-48** |
| grade | 3 [3–4] | 4 [4–5] | **1e-18** |
| survived: Y | 63 (97%) | 87 (86%) | **0.029** |
| renal\_pres: Y | 65 (100%) | 36 (36%) | **3e-20** |
| AKI: Y | 15 (24%) | 39 (45%) | **0.013** |
| return\_ed\_30d: Y | 17 (27%) | 30 (34%) | 0.424 |
| GCS | 14 [12–16] | 13 [10–16] | 0.062 |
| ED\_SBP | 118 [100–142] | 113 [97–136] | 0.467 |
| ED\_DBP | 78 [53–94] | 65 [53–83] | 0.073 |
| MAP\_calc | 87 [69–100] | 87 [70–102] | 0.984 |
| ED\_HR | 106 [73–122] | 98 [77–115] | 0.542 |
| ISS | 26 [20–33] | 30 [22–35] | 0.391 |
| surv\_ICU\_LOS | 5 [4–8.5] | 9 [4–17] | **3e-04** |
| vent\_LOS | 6 [4–9] | 9 [5–13.2] | **0.005** |
| surv\_hosp\_LOS | 16 [9.5–22] | 27 [16.5–42.5] | **5e-05** |
| Age | 27 [20–32] | 29.5 [22.8–38] | **0.040** |
| BMI | 25 [22–28] | 26 [22–30] | 0.209 |

*Statistical Methods: For continuous variables, normality was assessed using the Shapiro–Wilk test (when enabled). Normally distributed variables were summarized as mean ± SD and compared using Welch's t-test for two-group comparisons or one-way ANOVA for three-group comparisons. Non-normally distributed or user-specified ordinal variables were summarized as median [IQR] and compared using the Wilcoxon rank-sum test (two groups) or Kruskal–Wallis test (three groups). Categorical variables were summarized as n (%) and compared using Chi-squared tests or Fisher's exact tests when expected counts were <5. For binary categorical variables, odds ratios with 95% confidence intervals were computed using Fisher's exact or Wald methods, as appropriate. Approximate p-values were used for non-parametric tests with tied data.*