Supplemental Table 1. The postoperative data during hospitalization for both groups

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| --- | --- | --- | --- |
| Variables | Non-DEX group | DEX group | P-value |
| Time parameters (h, n=13) |  |  |  |
| ICU stay time | 36.2(17.0) | 26.4(6.0) | 0.180 |
| Extubating time | 25.2(20.0) | 14.8(13.0) | 0.076 |
| Postoperative resident time | 15.0±5.1 | 13.0±2.2 | 0.216 |
| Vasoactive drugs used in ICU |  |  |  |
| Adrenaline（mg）  （n, %） | 8.00±5.27  3(23.1) | 4.06±2.89  5(38.5%) | 0.282  0.673 |
| Dopamine （mg）  （n, %） | 600(1660)  5(38.5) | 300(650)  6(46.2) | 0.271  0.691 |
| Dobutamine （mg）  （n, %） | 180(320)  9(69.2) | 310(662)  8(61.5) | 0.228  1.000 |
| Adverse event （n, %） |  |  |  |
| hypoalbuminemia | 6(46.2) | 3(23.1) | 0.411 |
| Anemia | 10(76.9) | 5(38.5) | 0.047\* |
| Coagulopathy | 4(30.8) | 2(15.4) | 0.645 |
| Hypotension | 0(0) | 1(7.7) | 1.000 |
| Bradycardia  New-onset atrial fibrillation  liver dysfunction  visual impairment | 0(0)  2(15.4)  1(7.7)  1(7.7) | 1(7.7)  0(0)  0(0)  0(0) | 1.000  0.480  1.000  1.000 |

Values of continuous variables are presented with Median with interquartile range (Median (IQR)) or Mean ± standard deviation (SD) if appropriate. Categorical data are presented with percentages (n, %). ICU, intensive care unit; DEX, dexmedetomidine. The P values were obtained from Student’s t-test, Mann–Whitney U-test, x2 test, or Fisher’s exact test, as appropriate. \*P<0.05, compared to Non-DEX group.