**Supplemental Table 1 The anesthetic drugs usages of different types of delirium.**

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| **Variable** | **Non-****delirium a****n=30** | **ED****n=30** | ***P*** | **Non-****delirium b****n=32** | **POD****n=32** | ***P*** |
| **Midazolam** | 2.00(2.00-3.00) | 2.00(1.00-3.00) | 0.500 | 2.50(2.00-3.00) | 2.00(2.00-3.00) | 0.211 |
| **Etomidate** | 20.00(16.00-20.00) | 20.00(15.00-20.00) | 0.396 | 20.00(16.00-20.00) | 20.00(16.00-20.00) | 0.938 |
| **Propofol** | 800.00(500.00-1000.00) | 800.00(635.00-1200.00) | 0.306 | 600.00(300.00-800.00) | 600.00(500.00-800.00) | 0.509 |
| **Sufentanil** | 50.00(37.50-60.00) | 50.00(50.00-62.50) | 0.295 | 40.00(30.00-50.00) | 50.00(50.00-50.00) | 0.223 |
| **Remifentanil** | 1.00(0.50-2.00) | 1.50(1.00-2.00) | 0.147 | 0.95(0.50-1.00) | 1.00(1.00-2.00) | 0.141 |

Data are presented as median (IQR). a the control group of the ED group obtained from PSM; b the control group of the POD group obtained from PSM.