Table 1 Univariate and multivariate analysis of posteroperative deaths in all patients

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variables | N | Death | | Alive | Uni-  variate | Multivariate | | | |
| P | OR | 95% CI | P |
| Total | 70 | 7 | 63 | |  |  |  |  |
| Age(mean±SD) | 50.1±15.8 |  |  | | 0.263 |  |  |  |
| Male gender | 31 | 2 | 29 | | 0.452 |  |  |  |
| BMI(mean±SD) | 22.2±3.2 |  |  | | 0.032 | 0.830 | 0.464-1.488 | 0.533 |
| ASA Score  1  2  3 | 4  30  36 | 1  2  4 | 3  28  32 | | 0.404 |  |  |  |
| Preoperative blood tests |  |  |  | |  |  |  |  |
| Hb (mean±SD, g/l) | 110.0±11.2 |  |  | | 0.883 |  |  |  |
| Alb(median, g/l) | 34.1 |  |  | | 0.857 |  |  |  |
| Plt(median, 10^9/l) | 260.5 |  |  | | 0.252 |  |  |  |
| Fg(median, mg/dl) | 399 |  |  | | 0.368 |  |  |  |
| PT(median, s） | 11.7 |  |  | | 0.213 |  |  |  |
| APTT(mean±SD, s) | 30.73±3.35 |  |  | | 0.074 | 1.852 | 0.981-3.495 | 0.057 |
| INR(median) | 1.1 |  |  | | 0.216 |  |  |  |
| FDP(median, mg/l） | 4.4 |  |  | | 0.941 |  |  |  |
| D-dimer(median, mg/l) | 429 |  |  | | 0.583 |  |  |  |
| Lactate(median, mmol/l) | 0.8 |  |  | | 0.085 | 1.491 | 0.588-3.776 | 0.400 |
| Glucose(median,mmol/l) | 5.2 |  |  | | 0.229 |  |  |  |
| Operative time(mean±SD, min) | 491.7±131.1 |  |  | | 0.857 |  |  |  |
| Anesthesia time(mean±SD, min) | 553.9±132.6 |  |  | | 0.724 |  |  |  |
| Blood tests at the end of operation |  |  |  | |  |  |  |  |
| Hb (mean±SD, g/l) | 88.0±20.8 |  |  | | 0.010 | 0.988 | 0.891-1.096 | 0.823 |
| Lactate(median, mmol/l) | 2.0 |  |  | | 0.002 | 2.401 | 1.021-5.651 | ***0.045*** |
| Glucose(median,mmol/l) | 10.2 |  |  | | 0.558 |  |  |  |
| IBL(median, ml) | 7000 |  |  | | 0.095 | 1.000 | 1.000-1.000 | 0.775 |
| Blood products infusions during operation |  |  |  | |  |  |  |  |
| RBC(median. U) | 22 |  |  | | 0.138 |  |  |  |
| Plasma(median, ml) | 2400 |  |  | | 0.499 |  |  |  |
| Pcc(median, u) | 600 |  |  | | 0.085 | 1.001 | 0.998-1.005 | 0.475 |
| Fg(median, mg/dl) | 1.5 |  |  | | 0.065 | 0.544 | 0.078-3.793 | 0.539 |
| Alb(median, g) | 300 |  |  | | 0.109 |  |  |  |
| Plt(median, range, u) | 0(1-10) |  |  | | 0.252 |  |  |  |
| Crystalloid infusion during anesthesia(mean±SD, ml) | 6254.8±1923.5 |  |  | | 0.031 | 1.000 | 0.999-1.000 | 0.896 |
| Colloid infusion during anesthesia(median, ml) | 2250 |  |  | | 0.926 |  |  |  |
| Total RBC infusion within 24h | 24 |  |  | | 0.063 | 0.979 | 0.824-1.163 | 0.807 |
| Total plasma infusion within 24h | 2800 |  |  | | 0.380 |  |  |  |

*ASA: American Society of Anesthesia; RBC: Red blood cell; Hb: Hemoglobin; Alb: Albumin; Plt: Platelet; Fg: fibrinogen; PT:Prothrombin time; APTT: Activated partial thromboplastin time; INR: International normalized ratio; FDP: Fibrin degradation product; IBL: Intraoperative blood loss.*