**Supplementary table 1. Perioperative patients’ profiles during colorectal cancer surgery.**

|  | Propofol group | Sevoflurane group |
| --- | --- | --- |
| (n = 76) | (n = 77) |
| Underlying disease |  |  |
| Hypertension | 24 (31.6%) | 22 (28.6%) |
| Diabetes mellitus | 11 (14.5%) | 7 (9.1%) |
| Dyslipidemia | 5 (6.6%) | 7 (9.1%) |
| Thyroid disease | 1 (1.3%) | 0 (0.0%) |
| Current medications |  |  |
| Angiotensin receptor blocker | 21 (27.6%) | 20 (26.0%) |
| Calcium channel blocker | 10 (13.2%) | 8 (10.4%) |
| β-blockers | 1 (1.3%) | 1 (1.3%) |
| Statin | 17 (22.4%) | 13 (16.9%) |
| Anti-diabetes | 11 (14.5%) | 7 (9.1%) |
|  Anticoagulant | 23 (30.3%) | 19 (24.7%) |
| Thyroid medication | 1 (1.3%) | 0 (0.0%) |
| Bispectral index |  |  |
|  Before anesthesia induction | 95.0 (92.5 - 97.0) | 95.0 (94.0 - 97.0) |
| After anesthesia induction | 48.5 (42.0 - 64.5) | 54.0 (45.0 - 62.0) |
| After extubation | 92.0 (89.0 - 95.0) | 93.0 (90.0 - 95.0) |
| Lowest intraoperative value | 45.0 (41.0 - 47.0) | 45.0 (42.0 - 48.0) |
| Highest intraoperative value | 58.0 (54.0 - 59.0) | 58.0 (54.0 - 59.0) |
| Intraoperative fluids |  |  |
| Crystalloid (mL) | 1000 (700 – 1400) | 900 (700 – 1400) |
|  Urine output (mL) | 150 (140 – 240) | 150 (130 – 180) |
| Other perioperative medications |  |  |
| Incidence of phenylephrine use | 38 (50.0%) | 36 (46.8%) |
| Incidence of ephedrine use | 22 (28.9%) | 21 (27.3%) |
| Ramosetron (mg)  | 0.3 (0.2 - 0.3) | 0.3 (0.2 - 0.3) |
| Metoclopramide (mg) | 0 (0 – 0) | 0 (0 – 0) |
| VAS-R |  |  |
| Postop | 50 (30 – 60) | 50 (30 – 70) |
| Post 1 h | 30 (20 – 40) | 30 (20 – 50) |
| Post 24 h | 20 (10 – 30) | 20 (20 – 30) |
| VAS-M |  |  |
| Postop | 60 (40 – 70) | 60 (40 – 75) |
| Post 1 h | 40 (30 – 50) | 40 (30 – 60) |
| Post 24 h | 30 (20 – 40) | 30 (30 – 40) |

Data are expressed as numbers (%) or medians (25% -75%).

**Abbreviations:** VAS-R, visual analogue scale pain score at rest; Postop, immediately after operation; Post 1 h, at 1 h postoperatively; Post 24 h, at 24 h postoperatively; VAS-M, visual analogue scale pain score on movement.