**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.