**Table S2**. Comparison of supportive measures, sedation and analgesia between groups

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | All(n=90) | APRV(n=45) | LTV(n=45) | p |
| Corticosteroids *a* (%) | 68 (75) | 32 (71) | 36 (80) | 0.32 |
| High-dose thromboprophylaxis *b*(%) | 62 (69) | 30 (67) | 32 (71) | 0.65 |
| Renal replacement therapy (%) | 25 (27.8) | 12 (27) | 13 (29) | 0.81 |
| Prone positioning (%) | 90 (100) | 45 (100) | 45 (100) | 1.0 |
| Prone positioning sessions  | 5 (3-7) | 6 (4-7) | 5 (6-7) | 0.18 *c* |
| Prone positioning (hours/day)  | 18 ± 2.4 | 18 ± 2.5 | 18 ± 2.3 | 0.85 |
| Recruitment maneuvers (%) *d* | 7 (8) | 5 (11) | 2 (4) | 0.43 *e* |
| Neuromuscular blocker (%) | 82 (91%) | 42 (93) | 40 (90) | 0.71*e* |
| Neuromuscular blocker (h)  | 57 (36-87) | 57 (39-96) | 56 (36-86) | 0.59*c* |
| Average cisatracurium dose (mg/kg/h)  | 0.13 (0.12-0.15) | 0.14 (0.12-0.15) | 0.13 (0.12-0.15) | 0.80*c* |
| Propofol (%) | 72 (80) | 36 (80) | 36 (80) | 1.0 |
| Propofol (h)  | 164 (138-176) | 161 (138-175) | 167 (137-177) | 0.47*c* |
| Average propofol dose (mg/kg/h) | 2.1 ± 0.5 | 2.1 ± 0.6 | 2.1 ± 0.5 | 0.64 |
| Midazolam (%) | 60 (67) | 31 (69) | 29 (64) | 0.65 |
| Midazolam (h)  | 155 (130-168) | 153 (127-164) | 158 (134-168) | 0.24 *c* |
| Average midazolam dose (mg/kg/h) | 0.17 (0.13-0.21) | 0.16 (0.12-0.19) | 0.20 (0.14-0.22) | 0.20 *c* |
| Fentanyl (h)  | 166 (149-178) | 165 (127-165) | 168 (153-178) | 0.25*c* |
| Average fentanyl dose (mcg/kg/h)  | 1.9 ± 0.5 | 1.9 ± 0.5 | 1.9 ± 0.4 | 0.98 |

*a* IV or enteral dexamethasone 6 mg daily for 10 days.

*b* Subcutaneous enoxaparin 40 mg bid (60 mg in case of BMI >30).

*c* Mann-Whitney was performed instead of T- test.

*d* Sustained inflation maneuvers (40 cmH2O/40 sec). Performed for intractable hypoxemia in all cases.

*e* Fisher exact test was performed instead of chi-squared.