Supplementary Table S1. Ventilator parameters

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| ***Variable*** | ***Cohort******N=34*** | ***BT shunt******N=7*** | ***Sano shunt******N=20*** | ***Hybrid******N=7*** | ***p-value 1*** |
| *RR (bpm) a* | 30 (26-33.7) | 28 (25.5-29.5) | 29.5 (26-32.5) | 33 (32-38) | 0.07 |
| *MAP (cm H20) a* | 10 (9-11) | 11 (10.3-11) | 10 (9-11.2) | 9 (8.8-10.5) | 0.49 |
| *PEEP (cm H20) a* | 6 (5-7) | 7 (6.8-7.3) | 5.7 (5-6.1) | 5 (5-6) | 0.98 |
| *TV/Wt (ml/kg) a* | 8 (7-8.8) | 8.4 (7.8-8.7) | 8 (7-8.8) | 7.5 (6.8-7.9) | 0.29 |
| *PIP (cm H20) a* | 21 (20-23) | 22 (21-23.4) | 22 (20-23) | 18.5 (18-20.5) | 0.11 |

1 Kruskal-Wallis test to compare continuous measures across groups.

a Median (Q1-Q3) values over time (120 hours)

RR: respiratory rate, MAP: mean airway pressure, PEEP: positive end expiratory pressure, PIP: Peak Inspiratory Pressure, TV/Wt: Tidal Volume per patient weight in kilograms