

Supplemental Digital Content

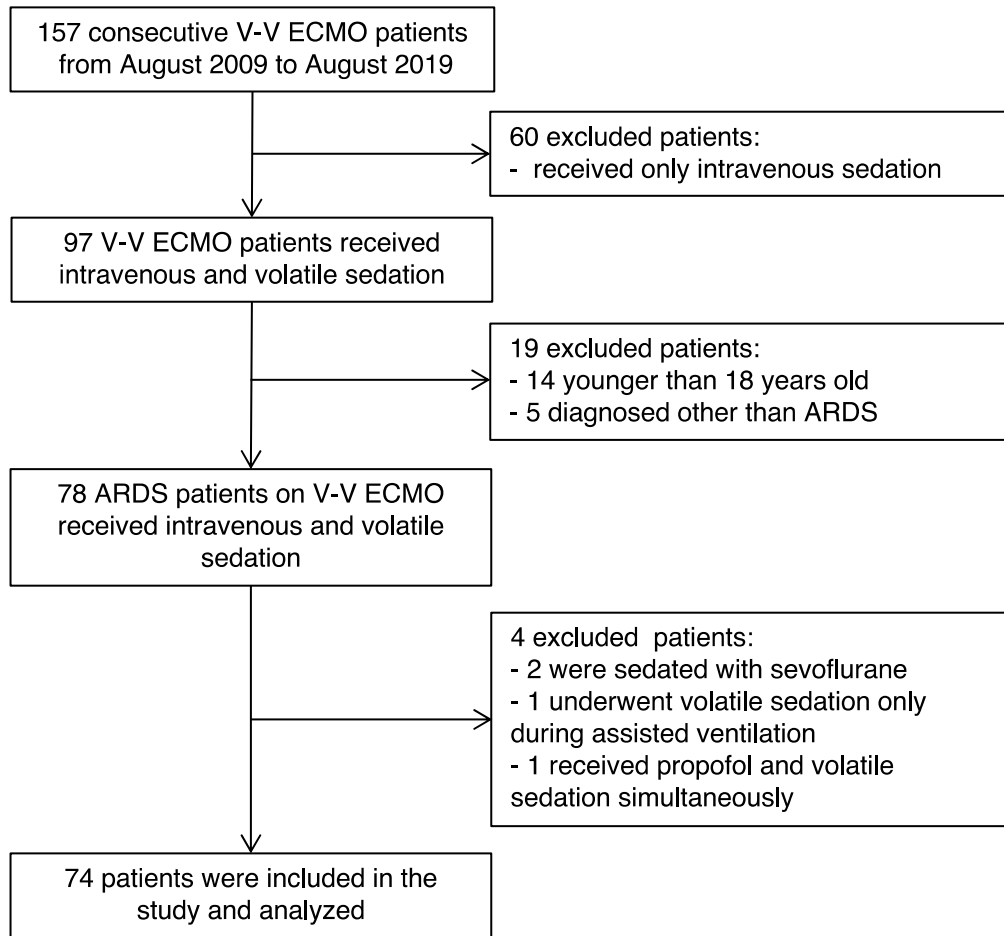


Figure S1. Patient Flowchart. V-V ECMO, veno-venous extracorporeal membrane oxygenation; ARDS, acute respiratory distress syndrome.

| | IV before Isoflurane (260 days) | Isoflurane (506 days) | IV after Isoflurane (204 days) | p-value |
|--------------------------|---------------------------------------|------------------------------|-----------------------------------|------------------|
| Tidal volume, mL | 267 ± 104 | 264 ± 79 ^{§,&} | 211 ± 94 [§] | <0.001 |
| Respiratory rate, /min | 10 ± 3 | 10 ± 3 | 11 ± 3 | 0.114 |
| FiO ₂ , % | 70 ± 19 | 64 ± 18 [§] | 70 ± 21 [§] | <0.001 |
| PEEP, cmH ₂ O | 16 ± 4 | 16 ± 3 | 15 ± 4 | 0.594 |
| Blood flow, L/min | 3.7 ± 0.5 | 3.7 ± 0.5 | 3.7 ± 0.6 | 0.101 |
| Gas flow, L/min | 5.7 ± 2.3 | 6.1 ± 2.1 ^{§,&} | 6.3 ± 1.9 | <0.001 |
| Pulmonary shunt, % | 62 ± 15 | 58 ± 16 | 63 ± 19 [§] | 0.001 |

Table S1. Ventilation/ECMO. Data are expressed as mean ± standard deviation. FiO₂, oxygen

inspiratory fraction; PaO₂, arterial oxygen tension; PEEP, positive end-expiratory pressure. §

p<0.05 vs IV before gas; & p<0.05 vs IV after gas