# Supplementary material

## Supplementary Material S1:

Extubation Readiness Criteria included:

- adequate neurological status (presence of cough and gag reflexes and a State Behavioral Scale score between −1 and 0),
- stable pulmonary function (ability to maintain airway patency, effective cough with minimal secretions, satisfactory oxygenation and ventilation with PEEP ≤5 $cmH_2O$ and $FiO_2$ ≤60%, normal minute ventilation, a positive leak test, improving or normal chest radiography, and acceptable arterial blood gas values),
- and cardiovascular stability (age-appropriate heart rate, normal blood pressure, good peripheral perfusion, normal capillary refill time, and adequate urine output). In addition, good cardiac function by cardiac ultrasound.

## Supplementary Material S2:

Title: Pressure Support range according to endotracheal tube size.

| **ETT size** | **Pressure Support range** |
|---|---|
| ≤ 3.5 mm | 10–12 $cmH_2O$ |
| 4.0–4.5 mm | 8–10 $cmH_2O$ |
| ≥ 5.0 mm | 6–8 $cmH_2O$ |

Supplementary Material S3:

Title: ROC Curve of RSBI for Predicting Extubation Failure

