

Supplementary Criteria C1: Weaning Readiness

The following criteria were used to determine if a patient was presumably ready to be weaned, i.e., if a patient was ready to perform the SBT⁹⁻¹¹:

1. Medical Assessment

- Improvement or recovery of the cause for MV
- Adequate cough
- Absence of secretion
- No neuromuscular blocking agents

2. Parametric Measures

- Time in MV > 24 hours
- $HR < 140$ bpm
- $SBP \in [90, 160]$ mmHg
- Haemoglobin (Hb) ≥ 8 g/dL
- $SpO_2 > 90\%$, with $FiO_2 \leq 40\%$
- Tidal Volume (V_T) > 5 mL·kg
- $F_r < 35$ rpm
- $pH \geq 7.30$ (no respiratory acidosis)
- Body Temperature (T) $\in [35, 38]$ °C
- PEEP < 8 cmH₂O
- Maximal Inspiratory Pressure (MIP) ≤ -25 cmH₂O
- Rapid Shallow Breathing Index (RSBI) < 105
- Richmond Agitation-Sedation Scale (RASS): -1/0
- Glasgow Coma Scale (GCS) > 8
- Minimal vasopressors or inotropes < 5 μ gr/kg/minute (stable cardiovascular status)