

Patients with more than 72 hours of Mechanical Ventilation due to Acute Respiratory Failure



Demographic Data, Weaning Protocol.

Randomization

Extubation



Noninvasive Ventilation immediately after extubation

Oxygen Mask
5 L/min

IPAP= 8 cmH20 and EPAP= 4 cmH20

↑ EPAP if PaO₂ < 60 mmHg ou SpO₂< 90%

↑ IPAP if PaCO₂ > 50 mmHg

↑ or ↓ IPAP according to RR/TV(L)

Monitoring after extubation:

- 15 minutes } Arterial blood gas analysis: PaO₂, PaCO₂
- 2 hours } Oxygen Saturation , Respiratory Rate
- 24 hours } Heart rate, Mean arterial Pressure

- 48 hours → Reintubation rate
- ICU length of stay
- Hospital Mortality