

Mini-invasive extracorporeal CO₂ removal system

ProLUNG®



ProLUNG® 3D
for the Aquarius System



A LUNG-PROTECTIVE STRATEGY

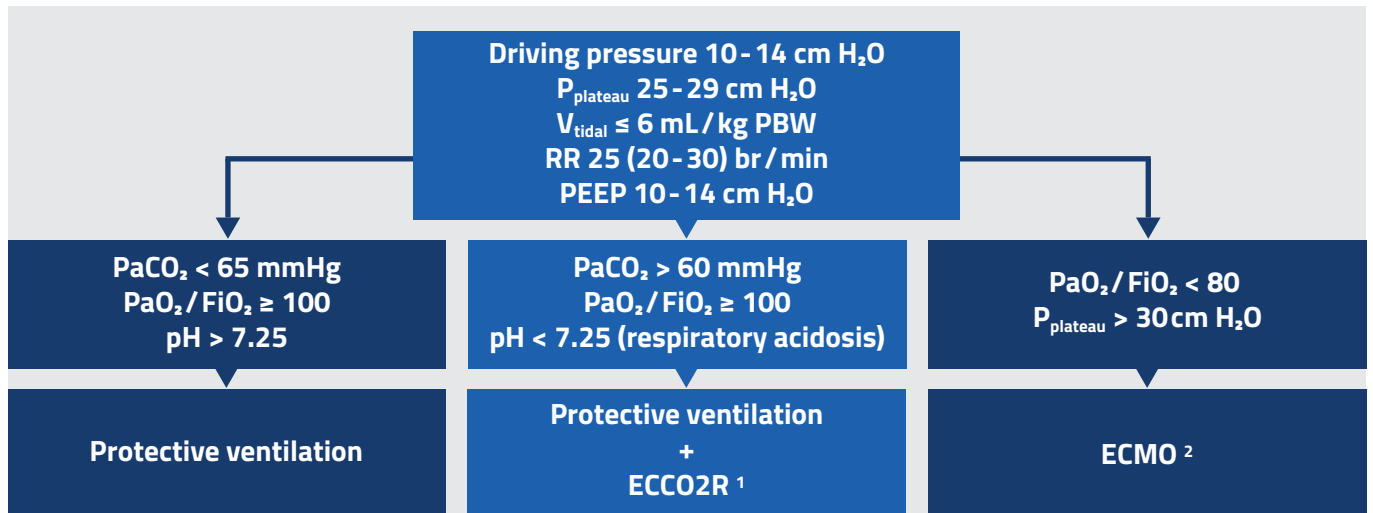
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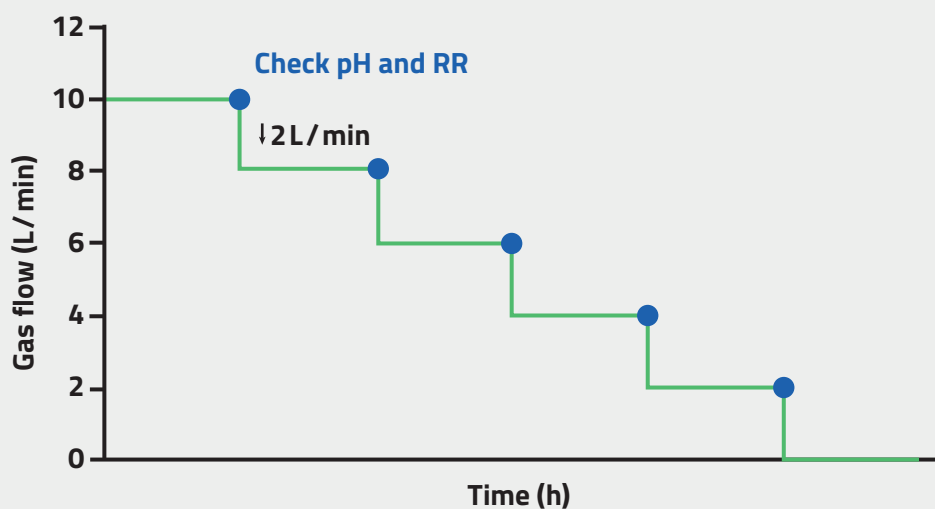
ARDS/ARDS-like presentation

ECCO2R initiation criteria¹



ECCO2R weaning protocol¹

Weaning criteria	Weaning steps
- Treatment duration ≥ 48 h - P/F > 200mmHg - Vt ~ 6 mL/PBW - PEEP 5 - 10cmH2O - Driving pressure < 14 cmH2O - RR ~ 20 - 30br/min	- Decremental gas steps 2L/min - Target pH > 7.3 - Target RR < 25 br/min

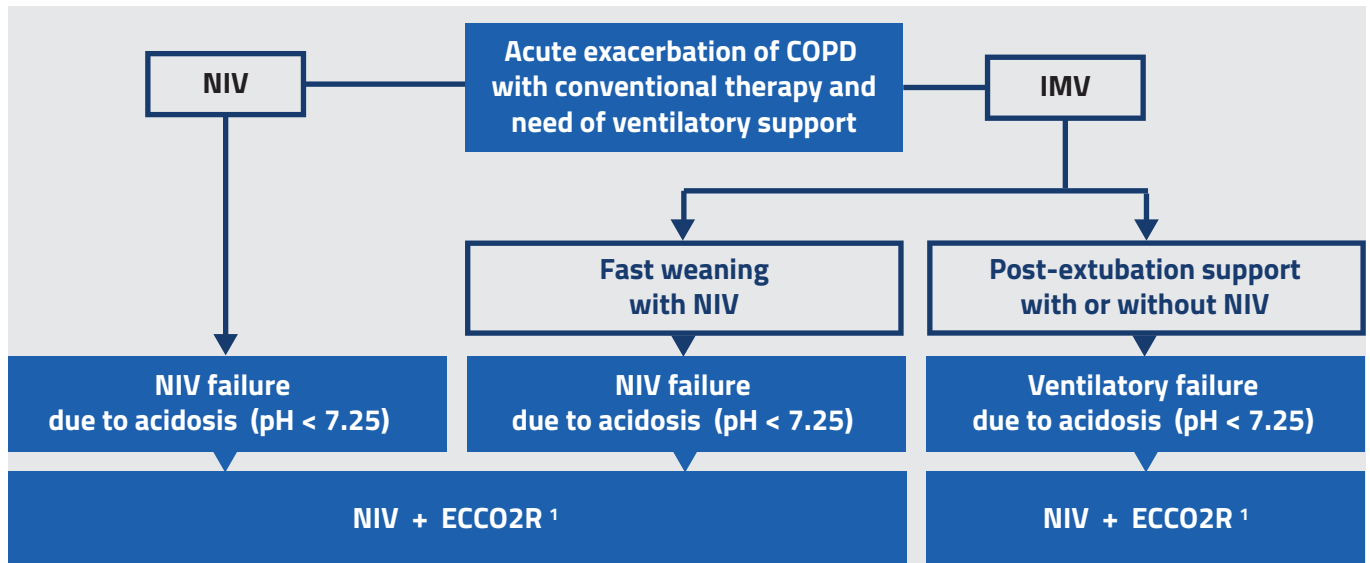


Weaning success criteria:

The patient is stable for > 12h (pH > 7.3 and RR < 25 br/min) with gas flow at 0L/min

ae - COPD presentation

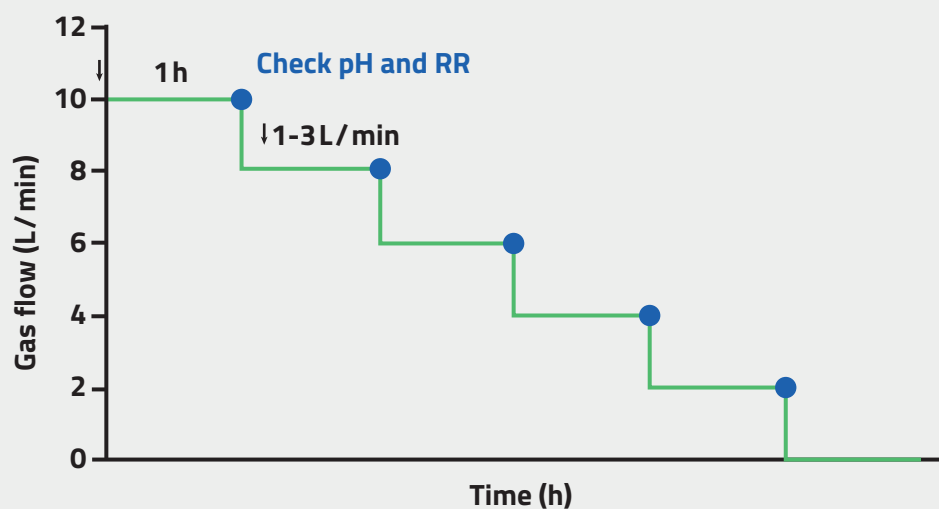
ECCO2R initiation criteria¹



Initiation criteria for patients at risk of NIV failure: No decrease in PaCO₂ or respiratory rate while on NIV

ECCO2R weaning protocol¹

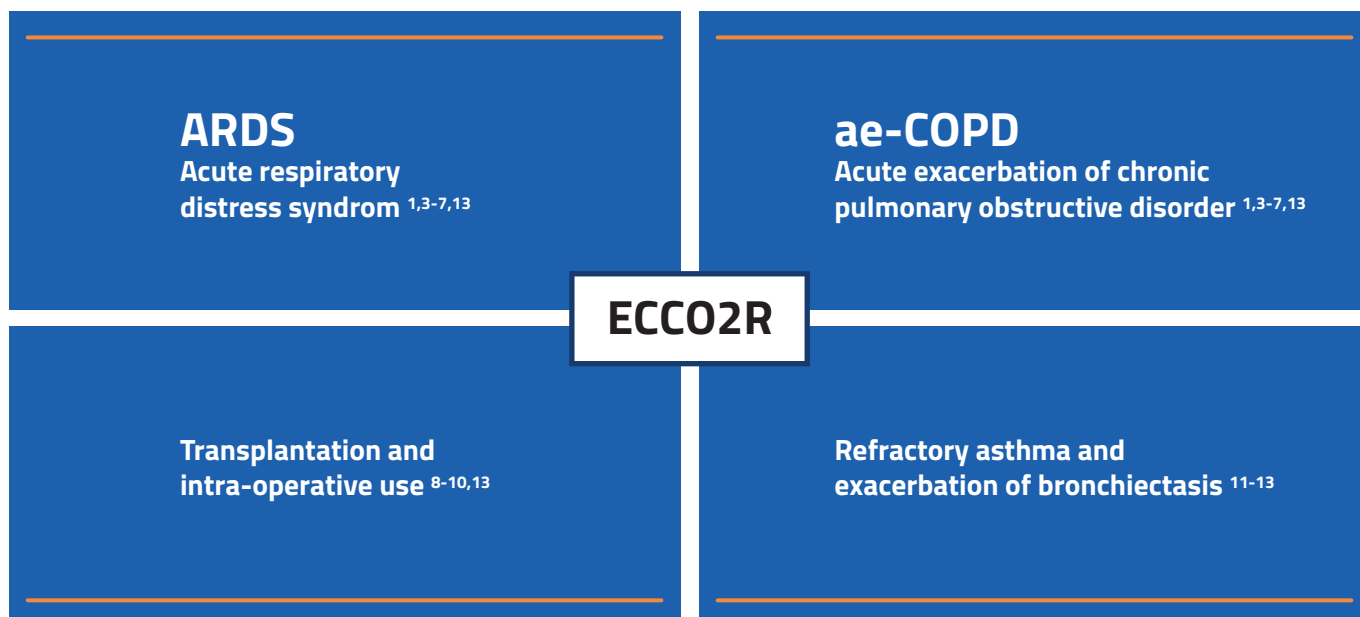
Weaning criteria	Weaning steps
- No NIV ≥ 6 h or - No MV ≥ 6 h - SpO₂ ≥ 88%	- Decremental gas steps 1-3 L/min For each step, after 1 h: - pH > 7.35 - RR < 25 br/min - PaCO₂ > 55 mmHg - SpO₂ > 88% - FiO₂ < 40%



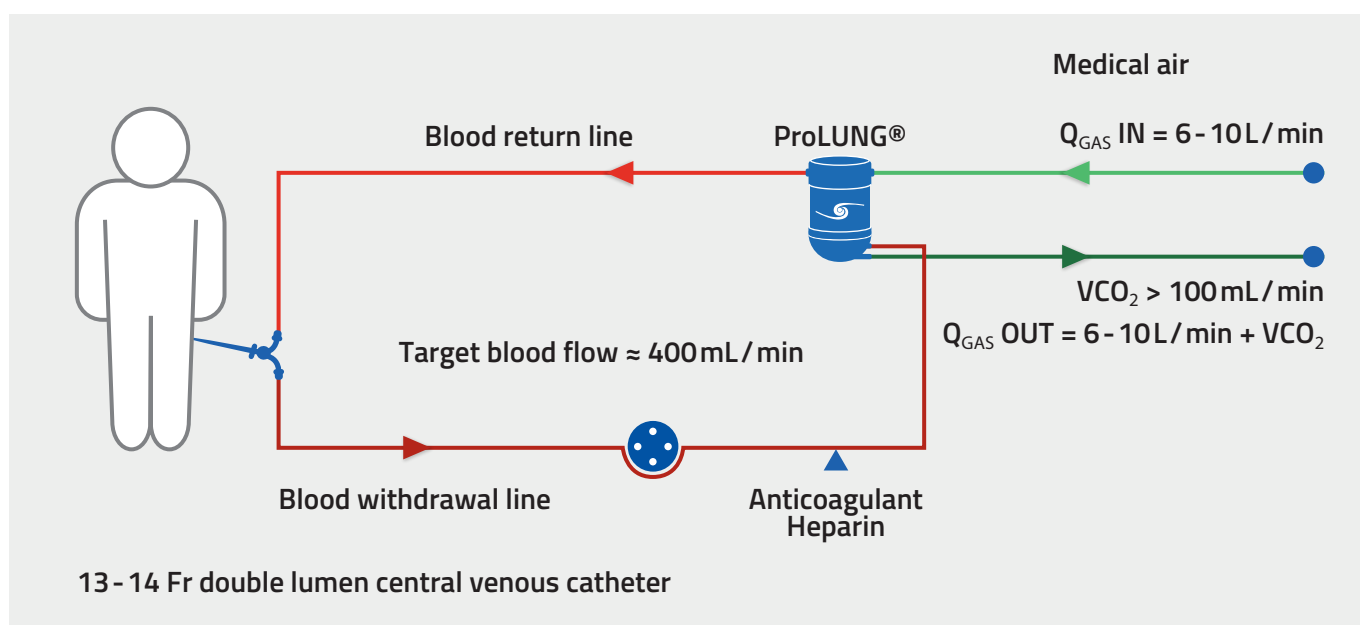
Weaning success criteria:

Removal of ECCO2R after 6 h with gas flow at 0 L/min

ECCO2R clinical applications



ProLUNG® mini-invasive ECCO2R system



References

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