

REFRACTORY HYPOXEMIA MANAGEMENT VV ECMO

ELSO GOALS

SaO₂ > 80%, SvO₂ > 70%

Increase blood O₂ content

Increase ECMO flow
Increase blood oxygen-carrying capacity

Reduce recirculation

Reduce O₂ consumption

Sedation and/or neuromuscular blockade
Therapeutic hypothermia (~36°C)

Manipulation of CO / intrapulmonary shunt

Beta-blockers
Prone positioning

Consider VA ECMO / Extra Drainage Cannula

INITIAL FLOW: 30-60 ML/KG
ESMOLOL ONSET 2-5 MIN, FULL RECOVERY 18-30 MIN