

VA-ECMO 照會前之自我評估

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一、 VA-ECMO 適應症

1. IE >40 is needed to maintain hemodynamics
2. Circulatory collapse, and underlying diseases potentially reversible or indicated for heart transplantation or VAD destination therapy
3. Progressive downhill of hemodynamics and mechanical circulatory support is needed

二、 ECMO 禁忌症

Rapid checklist of ECMO absolute contraindication:

- Age > 80 years (relative contraindication)
- Malignancy in terminal stage
- (Pre-existing) multi-organ failure
- Ventilator dependent > 3 months
- Moderate~ Severe COPD combine ARDS
- Bed ridden > 3 months : Cannot be self- dependent
- Acute/active Intracranial hemorrhage or Severe head injury
- Pre-existing severe neurological deficiency, cannot obey order
- Uncontrolled bleeding
- (Collapse & lose consciousness → CPR) > 6 min
- OHCA without CPR(initial rhythm VT 不算 OHCA)
- Unwitnessed cardiac arrest
- Uncontrolled infection
- There is no treatment goal
- 疾病前LVEF<30% , 且不適合移植
- Charlson score ≥ 8
- Current condition
 - GCS 可評估 : SOFA ≥ 18
 - GCS 無法評估 : SOFA (exclude CNS score) ≥ 16
- Irreversibility of lung
- VILI: (PIP > 30 cmH₂O) > 7days or (FiO₂ >80%) > 7 days
- Severe COPD (FEV₁<50%)
- Lung diseases require transplantation (Bridging 例外)
- 家屬拒絕
- 不需要ECMO

若有以上禁忌症項目，仍要裝設ECMO須正面陳述裝設理由：