

Team Leader



Airway Dr

Airway nurse

Defib

Role

- Inclusion criteria (back of card)
- Setup room
- Allocate ALS cards
- Allocated ECPR cards together with cannulator 1 or 2

CPR

Pre-cannulation Phase (before skin prep)

1. Contact cardiology
2. Standard ALS
3. Apply LUCAS - manual ventilation (bag)
4. Expose groin and shave

U/S

C1

Cannulation Phase (from skin prep)

1. NO more defibrillation
2. NO CXR, A-line or CVC during cannulation
3. Stop LUCAS (max 60sec) during needle puncture/ guidewire insertion
4. Stop resuscitation if NOT on ECMO with adequate flow by 90min after initial cardiac arrest

C2

ECMO Console

Trolley

Drugs

Console Person

ECMO Equipment

C3

Team Leader

Scribe

ECPR Inclusion Criteria - *NOT* Accidental Hypothermia



INCLUSION CRITERIA
Age + Time in min < 100 (ambulance call time to time of decision in min)* <i>alternatively Time only <60min</i>
Witnessed cardiac arrest
Shockable initial rhythm
Bystander CPR within 5 min
No known end-stage disease

* ROSC <20min is considered continuous cardiac arrest; ROSC >20min is considered as separate arrests, the longer cardiac arrest time is taken

Criteria fulfilled	Survival*	Recommendation
5/5	~ 46%	Reasonable inclusion
4/5	~ 12%	
3/5	~0%	Extremely infrequent on compassionate basis
2/5	~0%	
1/5	~0%	

* Only OHCA, local experience Victorian ambulance and The Alfred ECPR program

more details under www.ecmo.icu

In the Cath Lab

MINIMUM CRITERIA* - ALL required
Age < 75
All rhythms included
LV ejection fraction >30% OR LVEF likely to improve with procedure OR LVAD or heart transplant considered
Aortic regurgitation not more than mild
No known end-stage disease

*Only for patients in cardiac catheter lab

Prerequisites - ALL required

Suitable as per cardiology
AND
 Early cardiac arrest (<20min)
without
 significant peripheral mottling/
 lactate rise (>10 mmol/L)