

Cannulator 1



Equipment to bring

- ECPR Equipment trolley

Role

- Confirms inclusion criteria (back of card)
- Check in with Team Leader
- Allocate roles with Team Leader
- Cannulation

U/S

Procedure

1. Confirm eligibility with Team Leader
2. Allocation of ECPR proceduralists (Team Leader to allocate blue ALS cards)
3. Scrub
4. Sterilise groin & drape
5. Apply ultrasound sleeve
6. Cannulation
 - Right side access, Left side return
 - Insert both guidewires first

C2

C1

C3

Trolley

Team
Leader

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)