[HUP] Extracorporeal Cardiopulmonary Resuscitation (ECPR) Protocol

Refer to this document at the start of ACLS

ECPR criteria met?

Both must be met
1. This is a witnessed arrest
2. CPR has been going on for < 20 minutes

ECPR criteria met

Does the patient have ANY of the absolute contraindications below?

1. Contraindication to anticoagulation? (cerebral hemorrhage, active GI bleeding, etc.)
2. Known irreversible end-stage organ failure?
3. Severe aortic regurgitation or dissection?
4. Severe peripheral vascular disease, prior aortic or iliac stent?
5. Weight > 140kg?
6. Prognosis of terminal cancer (<1 year survival)?
7. Age > 75 years old?

YES, patient has contraindications to ECPR

NO contraindications to ECPR

Patient may be a candidate for ECPR

Provider: Contact ECPR responders
CALL 3333

- Document the time that ECPR responders were notified

Provider: Prepare information for the ECPR responders

1. Time of code:
2. Presumed cause of arrest (arrest, shock, hypoxia, etc.)
3. Patient’s cardiac rhythm (asystole, PEA, VF, VT)
4. EKG signs of ischemia (ST elevations, depressions)
5. Bridge strategy (PCI, ablation, VAD, transplant, recovery)
6. Data (most recent):
   - Troponin
   - Creatinine
   - Lactate
   - Platelet
   - Type of Anticoagulation:
     - (TPA, heparin, Coumadin etc.)
   - INR:
   - PTT
   - Total Bilirubin:
   - Hemoglobin
   - Blood gas (arterial or venous)

Team: Prepare for ECPR procedure

1. Clear out all unused equipment and furniture
2. Limit personnel in clinical area (code team leader, primary RN, documentation RN, Respiratory Therapy should remain in the room)
3. Pharmacy present with emergency medications
4. Ultrasound machine with sterile drape and gel

Notify the accepting unit or procedure suite