ECMO Priming Pediatric Subphase

Continuous Infusions
- LR IVF
  - 1,000 mL, as directed, IV, Injection
  - Comments: for priming ECMO pump

Medications
- heparin 100 unit/mL in 250 mL PREMIX IV Drip
  - 250 mL, Start per priming protocol, IV, Injection
  - Comments: Give 40 unit/kg of patient weight at time of cannulation and 100 units per unit packed red blood cells (PRBCs) per ECMO priming protocol
- calcium gluconate IV
  - 300 mg, IV, Injection, PRN, PRN Other (see comment)
  - Comments: For each unit of Packed Red Blood Cells (PRBC) and per ECMO priming protocol
- calcium gluconate IV
  - 250 mg, IV, Injection, PRN, PRN Other (see comment)
  - Comments: If the ionized calcium of the circuit blood is less than 4 mg/dL then add calcium gluconate 250 mg to normalize the ionized calcium level in the prime blood.
- sodium bicarbonate IV
  - 20 mEq, IV, Injection, PRN, PRN Other (see comment)
  - Comments: For each unit of Packed Red Blood Cells (PRBCs) and per ECMO priming protocol
- Tham IV
  - 70 mL, IV, Injection, PRN, PRN Other (see comment)
  - Comments: For each unit of Packed Red Blood Cells (PRBC) and per ECMO priming protocol
- albumin human 25% IV (mL)
  - 1 bag, IV, Injection, PRN, PRN Other (see comment)
  - Comments: For neonates - add 10 mL to circuit prior to addition of blood. To larger patient give 25-30 mL to circuit prior to blood. Then give 40 mL for each unit of Packed Red Blood Cells (PRBCs) and per ECMO priming protocol

Laboratory
- All blood products are to be delivered via ECLS circuit per protocol.(NOTE)*
- Conditional Lab Instructions
  - Lactic Acid, Activated Clotting Time POC, and Blood Gas POC with Ionized Calcium POC, After priming and calcium gluconate added and per priming protocol, PRN order
  - Comments: Activated Clotting Time POC, Blood Gas POC with Ionized Calcium POC and Lactic Acid after priming and calcium gluconate added and per priming protocol PRN
- Lactic Acid
  - Blood, Urgent collect, ONCE
- Blood Gas POC
  - Include pH balance, ionized calcium, Q5MIN, PRN Order
- Heparin Neutralization
  - Blood, Emergent collect
- Fibrinogen
  - Blood, Emergent collect
- C-Reactive Protein
  - Blood, Emergent collect
- Activated Clotting Time POC
  - Q5MIN, PRN Order

Blood Bank
- Fresh Frozen Plasma Order
- Platelet Pheresis Order
- Red Blood Cell Order

Other
- Subphase Activated

*Report Legend:
DEF - This order sentence is the default for the selected order
GOAL - This component is a goal
IND - This component is an indicator
INT - This component is an intervention
IVS - This component is an IV Set
NOTE - This component is a note
Rx - This component is a prescription
SUB - This component is a sub phase