Supplement 2

Therapeutic Plasma Exchange Order Set

Nursing

General Nursing Care

 ✓ Call Apheresis Line
   o Routine - Call Apheresis Line (404) 785-2800

 ✓ Activity Instructions
   o Routine - Patient to remain in bed for a minimum of 30 minutes post procedure.

Primer Orders

Primer Order

 ✓ Line Okay To Use for Apheresis
   o Ongoing - line okay to use

 ✓ Prime Apheresis per Protocol
   o Routine - Patients < 15 kg require a blood or albumin prime

 ✓ Blood Warmer

 ✓ Citrate dextrose (ACD-A) injection solution
   o IV - per protocol - to bedside for Plasmapheresis
   o ACD-A Conc: Sodium 0.22 mEq/mL (220 mEq/L). . . . Dextrose 2.45 g/dL. . . . . . . . . . . Citrate 0.22 mEq/mL (220 mEq/L)

 ✓ Normal Saline 0.9% IV Solution
   o IV - per protocol - to bedside for Plasmapheresis

Blood Priming Orders for patients < 20 kg – RECURRING Orders

 ✓ Prepare/Crossmatch RBC (in units/mL)
   o Advanced Technology only Conditional (100) EACH RECURRING ORDER MUST BE RELEASED BY NURSE
     ▪ Blood Prime for plasma exchange (<20 kg) or as clinically indicated:
     ▪ PRBC + Saline = Hct 40% and total volume = 250 mL. Use blood <14 days old. Use irradiated PRBCs for immunosuppressed patients only.

 ✓ Prepare RBC (in units) <4 months old
Advanced Technology only Conditional (100) EACH RECURRING ORDER MUST BE RELEASED BY NURSE

- Blood Prime for plasma exchange (<20 kg) or as clinically indicated:
- PRBC + Saline = Hct 40% and total volume = 250 mL. Use blood <14 days old. Use irradiated PRBCs for immunosuppressed patients only.

Plasmapheresis Therapy Plan

**Albumin 5%**
- Initial Therapy - Albumin 5%
- Subsequent Therapy – Albumin 5%
- Calcium chloride in NS IV solution
  - Run during plasmapheresis procedure. Dosage expressed as mg of calcium chloride. (NOT elemental calcium.)
- Calcium gluconate in NS IV solution
  - Run during plasmapheresis procedure.

**Fresh Frozen Plasma**
- Initial Therapy - Fresh Frozen Plasma (in Units)
- Subsequent Therapy – Fresh Frozen Plasma (in Units)
- Calcium chloride in NS IV solution
  - Run during plasmapheresis procedure. Dosage expressed as mg of calcium chloride. (NOT elemental calcium.)
- Calcium gluconate in NS IV solution
  - Run during plasmapheresis procedure.

**Lab**

Labs Prior to First Procedure (if not already done)
- POC Ionized Calcium-Clinician
  - Routine-once- Prior to initiation of plasmapheresis
- POC Hemocrit/hemoglobin-Clinician
  - Routine-once- To be drawn prior to initiation
- Complete Metabolic Panel
Routine - once
To be drawn prior to initiation

✓ LDH
  o Routine-once- To be drawn prior to initiation

✓ CBC-Diff
  o Routine-once- To be drawn prior to initiation

✓ Type and Screen
  o Routine-once- To be drawn prior to initiation

✓ DIC Screen
  o Routine-once- To be drawn prior to initiation

Labs During Procedure

✓ POC Ionized Calcium-Clinician
  o Routine-Per Protocol

Labs For Subsequent Procedures

✓ PT and PTT
  o Routine-once-for subsequent plasmapheresis procedures

✓ DIC Screen
  o Routine-once-for subsequent plasmapheresis procedures

Medications

Pre Medications

✓ diphenhydramine (BENADRYL) injection solution
  o IV PRN for 1 dose, premedication, To bedside for plasmapheresis, Prior to procedure.

✓ Acetaminophen (TYLENOL) tab
  o Oral, PRN for 1 dose, premedication, To bedside for plasmapheresis

✓ Methylprednisolone (PF) (SOLU-MEDROL) injection
  o Oral, PRN for 1 dose, To bedside for plasmapheresis

Medications to Bedside

✓ Anaphylaxis Kit to Bedside
Routine - NOW - obtain from pharmacy. Contains Albuterol 2.5 mg for nebulization. Diphenhydramine 50 mg vial, Epinephrine 1:1,000 vial, Epinephrine 1:10,000 vial, Methylprednisolone 40 mg vial, Methylprednisolone 125 mg vial, Normal Saline 500 mL, Ranitidine 50 mg vial. Only write individual orders for medications if used.

✓ Heparin 1,000 unit/mL DWELL solution

- Intralumen Per Protocol, DOSE equal to catheter lumen volume
  - ***HIGH ALERT MEDICATION***IINDWELL lock – NOT FOR INJECTION **DO NOT FLUSH** For volume of each lumen, see display on catheter. RED LUMEN volume *** mL, BLUE LUMEN volume *** mL (volume of lumen varies by size of catheter)