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

- o 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)