PURPOSE:

1. To ensure the process used for obtaining International Normalized Ratio (INR) blood samples from a patient with a central venous catheter is performed accurately and consistently.

POLICY:

1. Registered Nurses and Licensed Practical Nurses in Dialysis who have received instruction and have demonstrated competency to the renal educator or delegate shall perform this procedure.

EQUIPMENT:

- 1 Syringe (minimum 5 mL)
- 1 Alcohol prep pad
- 1 INR blood specimen collection tube
- 1 Blunt fill needle

PROCEDURE:

1. During setup attach heparin syringe to heparin line as per procedure. Heparin line will primed at this time.
2. Clamp the heparin line
3. Access catheter as per Procedure 30.30.02 Accessing and Locking Dialysis Central Venous Catheter (Anticoagulant/Thrombolytic/Antibiotic Locking) • Do not give heparin prime.
4. Initiate dialysis.
   a. When the 5008 reads Treatment start Press START. This will automatically start the heparin pump.
   b. Immediately go to the heparin screen and turn the Heparin I/O button off. Ensure that the heparin line is clamped.

EFFECTIVE DATE: September 2006

REVISION DATE: September 2009
June 2012
PROCEDURE:

5. Wait a minimum of 5 minutes then swab arterial blood line injection port with alcohol and draw blood sample for INR.

6. Once the INR is drawn, unclamp the heparin line

7. To start heparin continuous infusion:
   a. Make sure the heparin clamp is open
   b. Go to Heparin screen. Verify rate and off time
   c. Press the heparin I/O button On (green light on)

8. Give heparin bolus (the amount should be equal to the pt’s HEPARIN PRIME)
   a. If the heparin prime is 1000 units (1.0 ml) or greater give the bolus via the syringe pump (minimum bolus amt. is 1.0 ml)
   b. If Heparin prime is less than 1000 units (1.0 ml), give Heparin prime volume diluted to 10ml with Saline in the venous medication port

9. Give heparin prime via syringe pump on delivery system and start heparin continuous infusion.

   • If INR is urgently required after patient is heparinized, discontinue infusion for 1 hour and draw sample.

DOCUMENTATION:

- Medication Administration Record
- Hemodialysis Treatment Record
- Anticoagulation Flowsheet
- Lab Flowsheet

REFERENCES:
