INFIRMARY/EOU ALTEPLASE PRN ADMINISTRATION ORDERS FOR CVAD

Date: ____________  Time: ____________  Facility: ____________________________

ALLERGIES: _______________________________________________________________

Diagnosis: ________________________________________________________________

Central venous access device (CVAD) type: ____________________________________

CVAD placement date: ______________  Location of CVAD: ________________________

☐ Alteplase 2 mg by IV infusion if needed to restore function to central venous access device (CVAD)

(follow Nursing Instructions Check List below)

☐ Vitals: Obtain baseline then every 2 hours (document on DOC 13-010 TPR Graphic Chart)

☐ Monitor heart rhythm

☐ Monitor for side effects (bleeding, sepsis, venous thrombosis, bradycardia, ventricular tachycardia, anaphylaxis)

☐ Notify practitioner if:

☒ Temperature is > 103° F (may indicate internal bleeding)

☒ Neurologic change occurs (may indicate intracranial bleeding)

☒ Signs of hypersensitivity (fever, rash, itching, facial swelling, dyspnea)

Practitioner Signature and Stamp

NURSING INSTRUCTIONS CHECK LIST

Check off each instruction when complete

*** MAKE SURE RED BAG IS AVAILABLE ***

Before administering alteplase: Attempt to restore patency by gently flushing with 10 mL of Normal Saline in a syringe. If catheter continues to flush sluggishly or will not flush at all, attach an empty 10 mL syringe to the CVAD and attempt to gently aspirate blood. If blood cannot be aspirated and patency is not restored, carefully remove the catheter dressing in a sterile manner and check for a kink in the tubing and verify the external catheter length is the same as at insertion.

☐ Above instructions, “Before administering alteplase”, were followed and patency was NOT restored.

☐ RN preparing and administering the alteplase has the experience, training, and competency to appropriately evaluate the need for the medication and the skill to properly administer the medication and is familiar with the CVAD in use.

☐ Review record for any signs, symptoms, or complications related to CVAD use

☐ Prepare alteplase solution:

☐ Use aseptic technique; wash hands and apply gloves

☐ Withdraw 2.2 ml of sterile water for injection

☐ Diluent is NOT included with alteplase

☐ Do NOT use bacteriostatic water for injection

☐ Inject 2.2 mL of sterile water into the alteplase vial, directing the stream into the powder

☐ If slight foaming occurs, let the vial stand undisturbed for several minutes to allow large bubbles to dissipate

☐ DO NOT SHAKE

☐ Mix by gently swirling the vial until the contents are completely dissolved

☐ Reconstituted preparation should be a colorless to pale yellow transparent solution

☐ Alteplase does not contain any antibacterial preservative and should be reconstituted immediately before use:

☐ The solution may be used for intracatheter installation for up to 8 hours following reconstitution if stored between 36° and 86° F

☐ Discard any unused solution

Instructions Check List continued on back
INIRMARY/EOU ALTEPLASE PRN ADMINISTRATION ORDERS FOR CVAD

Date: ________________ Time: ________________ Facility: ________________________

☐ Administer alteplase solution:
  ☐ Use aseptic technique; wash hands and apply gloves
  ☐ Inspect the solution immediately prior to administration for any foreign matter or discoloration
  ☐ Scrub the hub of the vial vigorously with an alcohol prep pad for 10 seconds
  ☐ Withdraw 2 mL (2 mg) of reconstituted solution from the vial
  ☐ Thoroughly wipe the catheter hub (port) with an alcohol prep pad
  ☐ Instill 2 mL (2 mg) ALTP into the occluded catheter
  CAUTION: Excessive pressure should be avoided when ALTP is instilled into the catheter. Excessive force could cause rupture of the catheter or expulsion of the clot into the circulation
  ☐ After 30 minutes of dwell time, assess the catheter function by attempting to aspirate blood with an empty 10 mL syringe
  ☐ If blood is successfully aspirated, remove an additional 5 ml of blood to remove any remaining alteplase and residual clot, THEN
  ☐ Gently irrigate the catheter with 20 mL of 0.9% sodium chloride solution
  ☐ If blood is NOT successfully aspirated after completing the above step:
    ☐ Allow the alteplase to dwell in the catheter for 120 minutes, THEN
    ☐ Attempt to aspirate blood
    ☐ If catheter function is restored, remove an additional 5 ml of blood to remove any remaining alteplase and residual clot, THEN
    ☐ Gently irrigate the catheter with 20 mL of 0.9% sodium chloride solution
  ☐ If aspiration attempts are unsuccessful after the 120 minutes of dwell time, you should call the physician for orders:
    ☐ A second instillation of alteplase may be necessary
    ☐ The CVAD may need replacement

☐ Orders noted and completed ____________________________ Nurse Signature and Stamp ____________________________ Date ________________ Time ________________