**ALTEplase (tPA) Preparation Worksheet 12/2017**

***Use this sheet for medication preparation ONLY – DO NOT ADMINISTER ALTEplase without electronic order entered***

**Step 1:** Enter accurate actual patient dosing weight  ____________ kg

**Weight above 100 kg will get MAX dose bolus and infusion**

**cannot proceed if dosing weight does not match weight in computer**

**Step 2:** Obtain ALTEplase from Pyxis and KIT from Code Stroke toolbox.

**Reminder:** independent second RN or pharmacist check of total dose, bolus, and waste is required before administration:
always utilize BMVS and drug library on infusion pump.

**Step 3:** Reconstitute ALTEplase 100 mg in 100 mL sterile water (1 mg/mL) per policy. Gently swirl to mix to avoid generating bubbles- DO NOT SHAKE.

**Step 4:** Calculate **TOTAL ALTEplase dose:** Weight ______kg X 0.9 mg/kg = ____________mg

**MAX TOTAL DOSE = 90 mg (90 mL)**

**Step 5:** Calculate **BOLUS dose:** Weight _______kg X 0.09 mg/kg = ________mg

**Step 6:** Calculate **INFUSION dose:** Weight _____ kg X 0.81 mg/kg = ______ mg

**Weight above 100 kg will get MAX dose bolus and infusion**

**Step 7:** Calculate **WASTE:** 100 mg (minus) TOTAL dose ______mg = ______mg

**Step 8:** Remove waste from vial using 20 mL syringe(s), confirm waste with a witness and immediately discard.

**Step 9:** Use 10 mL syringe to draw **BOLUS dose** from vial; LABEL with name, MRN, drug name, drug concentration, BOLUS dose, date and time.

**MAX BOLUS DOSE = 9 mg (9 mL) - ADMINISTER BOLUS OVER 1 MINUTE**

**Step 10:** Remainder in bottle = **INFUSION dose.**

**MAX INFUSION DOSE = 81 MG (81 mL)-ADMINISTER INFUSION OVER 1 HOUR**

**Step 11:** Spike vial and prime IV tubing using care not to waste drug. Label vial with name, MRN, drug name, drug concentration, INFUSION dose, date and time.

**Step 12:** After tPA bolus is given, set up the IV pump utilizing the primary line (A) as the tPA infusion.

**Step 13:** Set VTBI to 30 mL less than the total volume in tPA infusion bag, so as not to empty the tubing below the cassette.

**Step 14:** Once the bag of tPA is empty, replace with a flush bag in order to ensure all medication in the line is delivered.

*The flush must infuse at the same rate as the tPA rate. This flush must be documented.*

**If during the bolus or infusion the patient develops severe headache, acute hypertension, nausea or vomiting, bleeding, worsening neurological status, swelling (angioedema) or any allergic reaction, STOP the infusion, notify neurologist and ED physician immediately and obtain a STAT Head CT**