



IV Medication using the Syringe Pump for Multiple Doses

1. Gather supplies in a clean, well-lit area:

- Medication syringe
- Tubing package (_____)
- 2 Normal Saline syringes
- 1 Heparin Syringe
- Sterile cover
- Syringe pump
- Alcohol wipes

2. Check medication label for correct patient name, medication and expiration date.

3. **Wash hands**

4. Prepare Pump and Syringe:

- Open tubing package and remove paper tape
- Remove clear protective cover from female end of tubing
- Remove protective cover from medication syringe
- Attach tubing to the medication syringe
- Gently push on plunger of syringe to 'prime' medication through tubing
- Load medication syringe onto pump:
 - Squeeze release lever to red arrow and slide lever to top of pump
 - Open curved barrel holder and fit barrel flange of syringe into slot
 - Squeeze and slide release lever to lock onto flange of syringe plunger
 - Be sure both the barrel and plunger are locked in place**
- Be sure Rate Selector on back of pump is set per medication label _____

5. Flush IV catheter with Normal Saline

S

- Remove syringe from wrapper
- Hold syringe upright and push on plunger to break seal
- Remove protective cover from syringe
- Do not contaminate tip
- Hold syringe upright and gently push on plunger to expel air
- Scrub IV end cap with an alcohol wipe for 15 seconds
- Push and screw syringe into IV end cap
- Gently flush solution through IV catheter
- Remove syringe from IV end cap and discard

6. Administer medication:

A

- Remove protective cover from the end of medication tubing
- Scrub IV end cap with alcohol wipe
- Push and screw tubing into the IV end cap
- Open the clamp on the medicine tubing
- Press button on front of pump to “**On with Alarm**”
- Infusion will take approximately _____ to complete

7. Infusion is complete when syringe is empty and pump alarms.

- Unscrew medication tubing from IV end cap
- Since you are receiving more than one dose of this medication today, apply a sterile cover now to end of medication tubing***

8. Flush IV catheter with Normal Saline

S

- Remove syringe from wrapper
- Hold syringe upright and push on plunger to break seal
- Remove protective cover from syringe
- Do not contaminate tip
- Hold syringe upright and gently push on plunger to expel air
- Scrub IV end cap with an alcohol wipe for 15 seconds
- Push and screw syringe into IV end cap
- Gently flush solution through IV catheter
- Remove syringe from IV end cap and discard

9. Flush IV catheter with Heparin

H

- Remove syringe from wrapper
- Hold syringe upright and push on plunger to break seal
- Remove protective cover from syringe
- Do not contaminate tip
- Hold syringe upright and gently push on plunger to expel air
- Scrub IV end cap with an alcohol wipe for 15 seconds
- Push and screw syringe into IV end cap
- Gently flush solution through IV catheter
- Remove syringe from IV end cap and discard

10. **Leave medication syringe and protected tubing in pump until next dose so Tubing stays sterile. Tubing must be changed every 24 hours.**

THINGS TO REMEMBER:

Remember: once you scrub the IV end cap, be sure that this remains sterile until you enter the cap with flush syringe or medication tubing.

Remember: the tips of flush syringes and medication tubing are sterile under the protective covers. Do not contaminate the ends prior to insertion into the IV end cap.

Remember: medication tubing is used for 24 hours. Replace daily.

If you have an additional lumen (tail) on your IV catheter, flush this lumen daily with 3 mls of heparin

Check your IV site and temperature daily. If IV dressing is not intact or if you develop a fever, call your home care nurse.

Medication should be stored in refrigerator. Remove an hour before dose is due.