

## **GRAVITY ADMINISTRATION PROCEDURE**

### **SUPPLIES:**

- IV medication bag (remove from refrigerator 4-6 hrs. before infusing)
- Tubing (**change every M-W-F**)
- (2) Sodium Chloride pre-filled syringes
- (1) Heparin pre-filled syringe (if indicated)
- (1) Light blue protective cap
- Alcohol wipes

### **PROCEDURE:**

1. Gather equipment. Clean work area. Wash hands thoroughly.
2. Prepare your flushes as instructed by your nurse.
3. Remove gravity tubing from package. Close the roller clamp.
4. Remove protective tab from entry port to medication bag.
5. Remove cover from spike on tubing and insert spike into medication bag using a pushing-twisting motion. **DO NOT TOUCH SPIKE.**
6. Hang medication bag on IV pole. Squeeze drip chamber, filling chamber ½ full.
7. Prime the entire length of the tubing by slowly opening the roller clamp. When a droplet of fluid is noted at the end of the tubing, close the roller clamp.

**NOTE:** For gravity tubing with and in line filter, invert filter to fill completely while priming

8. Clean the injection cap on the end of your catheter with an alcohol wipe vigorously for 15 seconds.
9. Flush your catheter with Sodium Chloride as instructed by your nurse.
10. Clean the injection cap on the end of your catheter with new alcohol wipe vigorously for 15 seconds.
11. Attach the gravity tubing to the end of the injection cap.
12. Slowly open the roller clamp to begin the infusion. Adjust the clamp to the setting instructed by your nurse.

### **When infusion is completed:**

1. When the medication bag is empty, close the roller clamp and disconnect tubing from injection cap.
2. Keeping the end of the tubing sterile, place a light blue protective cap on the end of the tubing.

**IMPORTANT: You will reuse the same tubing for more than one infusion. The tubing is to be changed every M-W-F.**

3. Clean the injection cap on the end of your catheter with an alcohol wipe vigorously for 15 seconds.
4. Flush your catheter with Sodium Chloride.
5. If required, clean the injection cap on the end of your catheter with a new alcohol wipe vigorously for 15 seconds.
6. Flush your catheter with Heparin as instructed by your nurse.

**SASH PROCEDURE:**

- S** Sodium Chloride \_\_\_\_\_ mls.  
**A** Administer medication over \_\_\_\_\_ minutes ( \_\_\_\_\_ drops per minute)  
**S** Sodium Chloride \_\_\_\_\_ mls.  
**H** Heparin \_\_\_\_\_ mls.

CONVERSION TABLE ML/HR DROPS/MINUTE (10 DROP PER ML TUBING)	
DROPS/MINUTE	ML/HOUR
1	6
2	12
3	18
4	24
5	30
6	36
7	42
8	48
9	54
10	60
11	66
12	72
13	78
14	85
15	90
16	96
17	102
18	108
19	114
20	120
21	126
22	132
24	144
25	150
30	180
33	198
34	204
35	210
40	240
42	252