

# INSTRUCTIONAL CHECKLIST:



## Performing Home Infusions with an Elastomeric (Eclipse) Device

[https://www.youtube.com/watch?v=rJl8xurPJdl&feature=emb\\_logo](https://www.youtube.com/watch?v=rJl8xurPJdl&feature=emb_logo)

For additional education please contact your agency for assistance

### Four Steps for Performing Infusions:

Practice good hand-washing **1**    Prepare supplies **2**    Prepare IV line **3**    Start and stop infusion **4**

Medication(s) to infuse:

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Home Infusion Nurse (name, #):

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Home Infusion Pharmacist (name, #):

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Practice good hand-washing

Always wash hands when instructed

Soap and water preferred

Hand sanitizer (optional)

Wash for a full 20 seconds or rub until dry

### STEP 1: PRACTICE GOOD HAND-WASHING

- Always remember to **WASH YOUR HANDS** for a full 20 seconds.
  - ❖ Soap and water is always preferred. If soap and water are not available, hand sanitizer is acceptable.
  - ❖ Make it a habit to wet your hands, apply soap, and lather for 20 seconds (hum the Happy Birthday song twice).
  - ❖ If using hand sanitizer, rub a dime-sized amount between your hands until dry. Never wave or blow on your hands to speed up drying.
  - ❖ Remember, if you are using gloves, you must still wash your hands.
  - ❖ Washing your hands helps reduce your chance of infection.

Prepare supplies

Remove medication from fridge

**WASH HANDS**

Clean workspace

**WASH HANDS**

Gather & arrange supplies

**WASH HANDS**

### STEP 2: PREPARE SUPPLIES

- Note the time to start the infusion: \_\_\_\_\_ AM PM
- Note the amount of time your medication should be left at room temperature: \_\_\_\_\_ MIN HR NAP
- Note the time to remove the medication from refrigerator (if refrigerated): \_\_\_\_\_ AM PM NAP
  - ❖ Remove medication from refrigerator BEFORE the infusion.
  - ❖ Your medication will infuse at the correct rate if administered at room temperature. If administered while cold, you will feel the medication as it infuses AND the infusion may take longer.

- ❖ Do NOT attempt to warm the medication.

Double-check your medication to confirm the following information before the infusion:

- ❖ Medication has my name and date of birth.
- ❖ Medication name is correct.
- ❖ Medication dose is correct.
- ❖ Medication is not expired.
- ❖ *If any of this information is incorrect, stop and call your home infusion pharmacist immediately.*

**WASH YOUR HANDS.**

- ❖ Soap and water are preferred, hand sanitizer optional if soap and water are not available.
- ❖ Wash for 20 seconds (hum the Happy Birthday song twice) or rub with hand sanitizer until your hands are dry.

Clean your workspace and SASH mat with cleaning solution (alcohol/sanitizing wipes or Lysol + paper towels).

- ❖ Select a dry, hard work surface to set up your medication and supplies.

**WASH YOUR HANDS.**

- ❖ Soap and water are preferred, hand sanitizer optional if soap and water are not available.
- ❖ Wash for 20 seconds (hum the Happy Birthday song twice) or rub with hand sanitizer until your hands are dry.

Gather the following supplies and place on your workspace (do not put on top of your SASH mat yet):

- ❖ 4—5 alcohol pads (to clean your supplies and hub (IV line tip))
- ❖ 2 prefilled saline syringes (to clear your IV line and remove any leftover medication)
- ❖ 1 prefilled heparin syringe (to clear your IV line and prevent blockage; your nurse will tell you if you need it)
- ❖ 1 medication-filled eclipse ball (at room temperature)
- ❖ Medication orders (to confirm the medication is infusing within the infusion time prescribed in your orders)
- ❖ Small Trash bag

Arrange your alcohol pads, syringes, and medication **above** your SASH mat in their respective location. Do not place any of these items on top of your SASH mat yet.

- ❖ "S" = Saline
- ❖ "A" = Administer or Antibiotic (your eclipse ball)
- ❖ "S" = Saline
- ❖ "H" = Heparin

**WASH YOUR HANDS.**

- ❖ Soap and water are preferred, hand sanitizer optional if soap and water are not available.
- ❖ Wash for 20 seconds (hum the Happy Birthday song twice) or rub with hand sanitizer until your hands are dry.

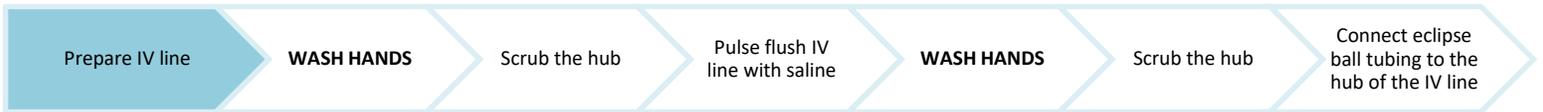
Unwrap both saline syringes and the heparin syringe. Place the syringes in the correct location **on top** of your SASH mat.

Check the unwrapped syringes for any air bubbles. If there are air bubbles, do the following:

- ❖ Remove the protective cap from the syringe and place the cap flat-side down on your SASH mat.
- ❖ Hold the syringe with the end up and plunger at the bottom.
- ❖ Pull back on the syringe plunger slightly to break the seal. You will be able to see the air bubble in the syringe.
- ❖ Slowly push the plunger to let the air bubble out.

- ❖ Once the air is removed, pick up the protective cap from the table and put the cap back on the end of the syringe. Place the syringe back in its spot on the SASH mat. Repeat for the other syringes.

- Remove your eclipse ball from the plastic wrapping. Place the eclipse ball in the correct location (“A”) **on top** of your SASH mat.
- Inspect the eclipse ball for any leaks, damage or discoloration. The medication should be clear.
- Remove any paper tabs from the eclipse ball tubing. Keep the clamp on the eclipse ball tubing closed.
- Sit down to prepare your IV line.



### STEP 3: PREPARE IV LINE

- WASH YOUR HANDS.**
  - ❖ Soap and water are preferred, hand sanitizer optional if soap and water are not available.
  - ❖ Wash for 20 seconds (hum the Happy Birthday song twice) or rub with hand sanitizer until your hands are dry.
- ‘Scrub the hub.’ Clean the end cap (hub) by wrapping the alcohol pad over and around the sides for at least 15 seconds.
  - ❖ Use the first alcohol pad above your SASH mat (the one before the first “S”).
  - ❖ Once you have cleaned the hub, hold the hub with two fingers. Keep the hub from touching anything else.
  - ❖ If your hub touches anything, **wash your hands** and scrub the hub again with a new alcohol pad.
- Flush your IV line with saline (“pulse flush”):
  - ❖ Hold the hub in one hand. Grasp the saline syringe on the first “S” of your SASH mat with your other hand.
  - ❖ Remove the protective cover on the saline syringe. Screw the syringe onto the hub using a “push and twist” motion. It’s like putting a key into an ignition.
  - ❖ Once the syringe is connected to the hub, open the clamp on your IV line and slowly push 1 to 2 mL of saline at a time. Stop and push 1 to 2 mL more. Repeat this “pulse flush” until the saline syringe is empty. Flushing this way each time helps keep your IV line from getting clogged.
  - ❖ If you have trouble flushing your IV line, make sure the clamp on your IV line is open. *If your clamp is open and you are still having trouble, stop and call your home infusion nurse.*
- Remove the empty saline syringe from your IV line. Throw it away. Do not remove the hub from your IV line.
- Before connecting your medication tubing to the hub of your IV line, double-check the three questions found across the top of your SASH mat.
  1. Did you check the prescription?
  2. Did you check the expiration or “Do Not Use After” date?
  3. Did you wash your hands?
- WASH YOUR HANDS.**
  - ❖ Soap and water are preferred, hand sanitizer optional if soap and water are not available.

- ❖ Wash for 20 seconds (hum the Happy Birthday song twice) or rub with hand sanitizer until your hands are dry.

- ‘Scrub the hub’ of your IV line with a NEW alcohol pad for at least 15 seconds.
  - ❖ Use the second alcohol pad above your SASH mat (the one before the “A”).
  - ❖ Once you have cleaned the hub, hold the hub with two fingers. Keep the hub from touching anything else.
  - ❖ If your hub touches anything, **wash your hands** and scrub the hub again with a new alcohol pad.

- Connect your eclipse ball tubing to the hub of your IV line:
  - ❖ Hold the hub in one hand. Find the end of the medication tubing. Remove the medication tubing cap.
  - ❖ Connect the medication tubing to the hub of your IV line. Use the same “push and twist” motion as before.



## STEP 4: START AND STOP INFUSION

- Open the clamps on your IV line and eclipse ball tubing.
- Rest and relax! The time it takes your medication to infuse is based on the time prescribed by your doctor and on the medication temperature. You will know your infusion is complete when no bulges are present in the inner column of the ball. The balloon inside the ball will deflate.
  - ❖ If your medication is not infusing in the time prescribed in your medication orders, then *contact your home infusion nurse or pharmacist*.
- Once your infusion is complete, **WASH YOUR HANDS**.
  - ❖ Soap and water are preferred, hand sanitizer optional if soap and water are not available.
  - ❖ Wash for 20 seconds (hum the Happy Birthday song twice) or rub with hand sanitizer until your hands are dry.
- Close the clamp on the eclipse ball tubing to stop the infusion.
- Disconnect your medication tubing from your IV line. Grasp the end cap (hub) of your IV line with one hand while using your other hand to unscrew the tubing. Do this until it is disconnected from the hub. Do not remove the hub from your IV line.
- ‘Scrub the hub’ of your IV line with a NEW alcohol pad for at least 15 seconds.
  - ❖ Use the third alcohol pad above your SASH mat (the one before the second “S”).
  - ❖ Once you have cleaned the hub, continue to hold the hub. Do not let it touch other surfaces.
  - ❖ If your hub does touch anything, **wash your hands** and scrub the hub again with a new alcohol pad.
- Flush your IV line with saline (“pulse flush”):
  - ❖ Hold the hub in one hand. Grasp the saline syringe on the first “S” of your SASH mat with your other hand.
  - ❖ Remove the protective cover on the saline syringe. Screw the syringe onto the hub using a “push and twist” motion. It’s like putting a key into an ignition.
  - ❖ Once the syringe is connected to the hub, open the clamp on your IV line and slowly push 1 to 2 mL of saline at a time. Stop and push 1 to 2 mL more. Repeat this “pulse flush” until the saline syringe is empty. Flushing this way each time helps keep your IV line from getting clogged.
  - ❖ If you have trouble flushing your IV line, make sure the clamp on your IV line is open. If your clamp is open and you are still having trouble, stop and call your home infusion nurse.

- Remove the empty saline syringe from your IV line. Throw it away. Do not remove the hub from your IV line.
- If you are not using heparin, close the clamp on your IV line. **WASH YOUR HANDS** for 20 seconds.
- If you are using heparin, flush your IV line with heparin (“pulse flush”):
  - ❖ Hold your hub in one hand. Grasp the heparin syringe on the “H” of your SASH mat with your other hand.
  - ❖ Remove the protective cover on the heparin syringe. Screw the syringe onto the hub using a “push and twist” motion (like putting a key into an ignition).
  - ❖ Check that the clamp on your IV line is open. Slowly push 1 to 2 mL of heparin at a time. Stop and push 1 to 2 mL more. Repeat this “pulse flush” until the heparin syringe is empty.
  - ❖ If you have trouble flushing your line, check to make sure the clamp on your IV line is open. If your clamp is open and you still have difficulty, stop and call your home infusion nurse.
- Remove the heparin syringe from your IV line. Throw it away in your regular trash. Do not remove the hub from your IV line.
- Close the clamp on your IV line.
- WASH YOUR HANDS.**
  - ❖ Soap and water are preferred, hand sanitizer optional if soap and water are not available.
  - ❖ Wash for 20 seconds (hum the Happy Birthday song twice) or rub with hand sanitizer until your hands are dry.
- Congratulations! You have successfully infused your medication!

## Make a habit to:

- Find a **CLEAN WORKSPACE** to perform infusions and store supplies.
- WASH YOUR HANDS** for at LEAST 20 seconds.
  - ❖ Soap and water preferred (use hand sanitizer if soap or water are unavailable).
  - ❖ Hum the Happy Birthday song twice.
- CHECK YOUR MEDICATION** to confirm:
  - ❖ Your name and date of birth AND the dose, expiration date and medication name.
- REMOVE YOUR MEDICATION** from the refrigerator BEFORE the infusion.
- FOLLOW THE SASH PROTOCOL:**
  - ❖ Saline flush → Administer medication → Saline flush → Heparin flush

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