

Performing Home Infusions with an Elastomeric (Eclipse) Device



Use this teach sheet to walk you through your infusions. Check with your home infusion nurse to see whether any steps do not apply to you.

Four Steps for Performing Infusions:

| 1- PRACTICE GC | OOD HAND-WASHING | 2- PREPARE SUPPLIE | S 3- PREPARE IV LINE | 4 START AND STOP INFUSION | | | |
|---|--|--|---------------------------------------|---|--|--|--|
| Medication(s) to i | nfuse: | | Home Infusion Nurse | (name, #): | | | |
| Time to Infuse: | | | Home Infusion Pharmacist (name, #): | | | | |
| Time to Infuse: | | | | | | | |
| 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 H | AND-WASHING | | | | |
| speed up dryir Remember, if | | ı must still wash your har | · | ave or blow on your hands to | | | |
| Prepare supplies | medication | WASH Clean HANDS workspace | WASH e HANDS | Gather & WASH arrange HANDS | | | |
| | | STEP 2: PREPARE S | UPPLIES | | | | |
| Note the time to | o start the infusion: | AM / PM Addition | al doses: | | | | |
| Note the amour | nt of time your medicat | tion should be left at ro | oom temperature: | MIN HR NA | | | |
| Remove medicationYour medication | o remove the medication remove the medication from refrigerator E on will infuse at the correst to warm the medication | BEFORE the infusion. ect rate if administered a | · · · · · · · · · · · · · · · · · · · | AM PM NA | | | |



| STEP 2: PREPARE SUPPLIES (CONTINUED) |
|--|
| 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). Wash for 20 seconds (hum the Happy Birthday song twice) or rub with hand sanitizer until your hands are dry. |
| Clean your workspace and SAS/H mat with alcohol pads, sanitizing wipes, or cleaning solution with 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). 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 SAS/H mat yet): 4—5 alcohol wipes (to clean your supplies and hub (IV line tip)) 2 saline syringes (to clear your IV line and remove any leftover medication) 1 heparin syringe (to clear your IV line and prevent blockage; your nurse will tell you if you need it) 1 medication-filled medication ball (at room temperature) Medication orders (to confirm the medication is infusing within the infusion time prescribed in your orders) |
| Arrange your alcohol wipes, syringes, and medication above your SAS/H mat in their respective location. Do not place any of these items on top of your SAS or SASH mat yet. * "S" = Saline * "A" = Administer or Antibiotic (your elastomeric device) * "S" = Saline * "H" = Heparin if prescribed (most patients do not need heparin) |
| WASH YOUR HANDS. ❖ Soap and water are preferred (hand sanitizer optional). ❖ 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 <u>on top</u> of your SAS/H mat. |
| Remove your medication ball from the plastic wrapping. Place the medication ball in the correct location ("A") on top of your SAS or SASH mat. |
| Inspect the medication ball for any leaks, damage or discoloration. The medication should be clear. |
| Remove any paper tabs from the medication ball tubing. Keep the clamp on the eclipse ball tubing closed. |
| Sit down to prepare your IV line. |



Prepare IV line

WASH HANDS Scrub the hub

Pulse flush IV line with saline

WASH HANDS

Scrub the hub

Connect eclipse ball tubing to the hub of the IV line

STEP 3: PREPARE IV LINE

| WASH YOUR HANDS. ❖ Soap and water are preferred (hand sanitizer optional). ❖ Wash for 20 seconds (hum the Happy Birthday song twice) or rub with hand sanitizer until your hands are dry. |
|---|
| Check the unwrapped syringes for any air bubbles. If there are air bubbles, do the following: ♣ Remove the protective cap from the syringe on the first "S" of your SAS/H mat and place the cap flat-side down on your SAS/H 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. Do not put the syringe down. |
| ✓ Scrub the hub.' Clean the end cap (hub) by wrapping the alcohol square over and around the sides for at least 15 seconds with a scrubbing motion. Then let it dry. ❖ Use the first alcohol wipe above your SAS/H 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 square. |
| Flush your IV line with saline ("pulse flush"): ♣ Hold the hub in one hand. Grasp the saline syringe with your other hand. ♣ 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 SAS/H 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). ❖ 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 square for at least 15 seconds. ◆ Use the second alcohol wipe above your SAS/H 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 square. |
| Connect your medication 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. |



| Start and stop infusion | Allow medication to infuse | WASH HANDS | Remove eclipse ball tubing from IV line | WASH HANDS | Scrub the hub | Flush IV line with saline | Scrub the hub | Flush IV line with heparin | WASH HANDS |
|--|---|---|--|--|---|---|---|--|---|
| | | | STEP 4: | START ANI | STOP IN | FUSION | | | |
| Open th | e clamps c | on your IV lir | ne and medica | tion ball tub | oing. | | | | |
| the medicat column of the state | ion tempe ne ball. Th | erature. You e balloon in n is not infus | es your medica will know you side the ball w ing in the time p | r infusion is ill deflate. | complete | when no bu | ilges are p | resent in the | e inner |
| Soap a | and water a | are preferred | e, WASH YOUR (hand sanitizer e Happy Birthda | optional). |) or rub wit | h hand saniti | zer until yc | our hands are | dry. |
| Close the | e clamp or | n the medic | ation ball tubir | ng to stop t | he infusior | า. | | | |
| using your c | ther hand | l to unscrew | ubing from you the tubing. Do and tubing in t | this until i | • | , | • | | |
| Remore SAS/H Hold t Pull ba | ve the prot mat. he syringe ack on the s | ective cap from with the end syringe plung | s for any air bu om the syringe o up and plunger er slightly to bre the air bubble o | on the first "S at the botto eak the seal. | 5" of your S m. You will be | AS/H mat and able to see t | d place the | cap flat-side | |
| ◆ Use th◆ Once | ne third alco you have cl | ohol wipe abo | with a NEW alove your SAS/H of the same of | mat (the one nold the hub | e before the . Do not let | e second "S") it touch othe | er surfaces. | | |
| Hold t Remore like put Once to Stop at helps If you | he hub in c ve the prot utting a key the syringe nd push 1 t keep your I have troub | one hand. Graective cover into an ignit is connected to 2 mL more V line from gole flushing you | "pulse flush"): usp the saline synon on. uto the hub, ope Repeat this "p etting clogged. our IV line, make all your home in | ringe. Screwen the clampulse flush" use sure the cla | the syringe on your IV ntil the sali mp on you | onto the hull line and slow ne syringe is | o using a "p vly push 1 t empty. Flus | oush and twis to 2 mL of sali shing this way | t" motion. It's ne at a time. / each time |
| 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, | , clear the air bubbles as you | u did with the saline. | Then flush your IV lin | e with heparin |
|---------------------------|--------------------------------|------------------------|------------------------|----------------|
| ("pulse flush"): | | | | |

- ♦ Hold your hub in one hand. Grasp the heparin syringe on the "H" of your SAS/H 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).

STEP 4: START AND STOP INFUSION (CONTINUED)

- 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. |
| MASH YOUR HANDS |

- Soap and water are preferred (hand sanitizer optional).
- 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!

Disclosure: This project was funded under grant R01HS027819 from the Agency for Healthcare Research and Quality (AHRQ), U.S. Department of Health and Human Services (HHS). The authors are solely responsible for this document's contents which should not be interpreted as an official position of AHRQ or of HHS.

