Performing Home Infusions with a Gravity **Drip Device** Use this teach sheet to walk you through your infusions. Check with your home health nurse to make sure the steps apply to you. Four Steps for Performing Infusions: PRACTICE GOOD HAND-WASHING 2- PREPARE SUPPLIES 3- PREPARE IV LINE 4- START AND STOP INFUSION 1-Medication(s) to infuse: Home Inflision Nurse (name #). Practice good Always wash hands Soap and water Hand sanitizer Wash for a full 20 hand-washing when instructed preferred (optional) seconds or rub until dry **STEP 1: PRACTICE GOOD HAND-WASHING** Always remember to WASH YOUR HANDS for a full 20 seconds when instructed. Soap and water is always preferred (hand sanitizer optional). 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 ٠ speed up drying. Remember, if you are using gloves, you must still wash your hands. • Washing your hands helps reduce your chance of infection. ٠ Remove Gather & Spike Prepare WASH Clean WASH WASH WASH Prime medication arrange the supplies HANDS workspace HANDS HANDS HANDS tubing from fridge supplies bag **STEP 2: PREPARE SUPPLIES** AM PM Note the time to start the infusion: Note the amount of time your medication should be left at room temperature: ____ MIN | | HR Note the time to remove the medication from refrigerator (if refrigerated): ____ I IAM I | PM Remove medication from refrigerator BEFORE the infusion. Your medication will infuse at the correct rate if administered at room temperature. • 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 infusion pharmacy 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.

STEP 2: PREPARE SUPPLIES (CONTINUED)
 Clean your workspace and SAS or SASH mat with cleaning solution with paper towels, alcohol pads, or sanitizing wipes. 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 or SASH mat yet): 4-5 alcohol wipes (to clean your supplies and hub (IV line tip)) 2 prefilled saline syringes (to clear your IV line) 1 prefilled heparin syringe (to clear your IV line and prevent blockage; your nurse will tell you if you need it) 1 medication bag (at room temperature) Medication orders (to check the drops per minute needed to infuse your medication) 1 set of gravity tubing (can be reused within a 24-hour period for infusions with the SAME medication) 1 red cap (to protect the end of your gravity tubing between infusions)
 1 IV pole (to hang your IV medication) Arrange your alcohol wipes, wrapped syringes, medication bag and gravity tubing above your SAS or SASH mat in the right place. Do not place any of these items on top of your SAS or SASH mat yet. "S" = Saline "A" = Administer or Antibiotic (includes your medication bag, gravity tubing and red cap) "S" = Saline "H" = Heparin (most people 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 if prescribed. Place the syringes in the correct location on top of your SAS or SASH mat. Remove your room temperature medication bag from the plastic wrapping. Place the medication bag by the "A" on top of your SAS or SASH mat. Remove the gravity tubing from the plastic wrapping if you are preparing for your first infusion of the day. Close the roller clamp on the gravity tubing and place it by the "A" on top of your SAS or SASH mat. Do not unwrap the red cap yet. Keep it above the "A" on your SAS or SASH mat.
Raise your IV pole as high as it goes.
 'Spike the bag' in order to attach the tubing to your medication bag: Pull the plastic protective tab off the medication bag. Just pull. Do not twist. Remove the clear protective cap from the spike (located on your tubing). Make sure the spike does not touch anything. If the spike touches anything, throw that tubing set away and begin again with a new tubing set. Insert the tubing spike into the medication bag (where the tab was removed). Use a "push and twist" motion (like putting a key into an ignition). You will know the bag is spiked when you see the tip of the tubing spike in the medication bag and when you see medicine in the drip chamber.

] 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.



STEP 2: PREPARE SUPPLIES (CONTINUED)

Remove all the air in the gravity tubing by running fluid through it. This is called priming the tubing:

- ____ Hang the medication bag on the IV pole.
- _____ Squeeze the drip chamber until it fills halfway.
- Roll the roller clamp up on the gravity tubing so that the medication runs throughout the gravity tubing.
- Roll down the roller clamp on the gravity tubing as soon as you see medication drip out of the end.
- ____ Observe to make sure you don't see any air in the tubing.

Get comfortable and prepare your IV line.

Prepare IV line WASH HANDS Scrub the hub Pulse flush IV line with saline Scrub the hub Connect gravity tubing to the hub of the IV line
STEP 3: PREPARE IV LINE
WASH YOUR HANDS.
 Soap and water are preferred (hand sanitizer optional). Weak for 20 seconds (hum the Users' Bitthday sees twice) or sub with hand conitizer until your hands are dry.
Wash for 20 seconds (hum the Happy Birthday song twice) or rub with hand sanitizer until your hands are dry.
Pick up the saline syringe on top of the first "S."
Remove air bubbles from the saline syringe.
 Remove the protective cap from the syringe and place the cap flat-side down on your SAS or 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 up to let the air bubble out.
 Once the air is removed, continue to hold the syringe
'Scrub the hub.' Clean the end cap (hub) by wrapping the alcohol square over and around the sides for at least 15 seconds.
• Use the first alcohol wipe above your SAS or 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 square.
Flush your IV line with saline ("pulse flush"):
 Hold the hub in one hand and the saline syringe in your other hand. Serent the purpose ante the hub using a "graph and twist" meeting. It's like putting a key into an ignition.
 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 medication
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 infusion provider.
Remove the empty saline syringe from your IV line. Throw it away. Do not remove the hub from your IV line.
Before connecting your gravity tubing to the hub of your IV line, double-check the three questions found across the top of
your SAS or SASH mat.
1. Did you check the prescription?
 Did you check the expiration or "Do Not Use After" date? 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.



STEP 3: PREPARE IV LINE (CONTINUED)

) 'Scrub the hub' of your IV line with a NEW alcohol square for at least 15 seconds.

- Use the second alcohol wipe 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 square.

Connect your gravity 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 infusionAllow medication to infuseWASH HANDSRemove medication tubing from IV lineScrub the hubFlush IV Ine with hubFlush IV the line with hubWASH HANDS
STEP 4: START AND STOP INFUSION
 Before starting the infusion, make sure your IV pole is extended to keep the medication bag above your heart. If the bag is below your heart, it can slow the infusion and cause blood to back up in the IV line. <i>If you notice this, don't panic. Stop and call your infusion provider for help.</i>
Open the clamps on your IV line and gravity tubing. Medication will begin to drip through the drip chamber.
 Adjust the roller clamp while watching a clock. Make sure you are getting the right number of drips per minute in the drip chamber. Check the rate in your medication orders. Rest and relax! The medication will infuse for a varying amount of time, depending on the time prescribed by your doctor and on how warm the medication was. You will know your infusion is complete when the medication bag is empty and the drip
 chamber is less than half-full. Once your infusion is complete, 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.
Close the roller clamp on the gravity tubing.
Wrap any excess gravity tubing on the IV pole.
 Will you be using your tubing again? Yes: You need to perform another infusion with the same medication later today. You can reuse this gravity tubing. You may reuse the same tubing for the same medication for up to 24 hours. No: You only have one infusion for this medication today, or this gravity tubing has been used since yesterday. Throw away the gravity tubing. NEVER use the same tubing for two different medications. Do not reuse the same tubing for the same medication after 24 hours.
 Do not reuse the same tubing for the same medication after 24 hours. 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. If you will reuse your tubing, remove the red cap (above the "A" of your SAS or SASH mat) from the plastic wrapping. Apply the clean red cap to the end of the tubing. When it is time to prepare a new medication bag for the next infusion that day, throw out the old bag and repeat the process of washing your hands, spiking a new bag using the same tubing, priming the tubing for the second infusion, and connecting the tubing to the hub of your IV line.
If you will not reuse your tubing, simply throw away the tubing. You will not need the red cap.
 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.

STEP 4: START AND STOP INFUSION (CONTINUTED)
 Remove air bubbles from the saline syringe over the second S. Remove the protective cap from the syringe and place the cap flat side down on your SAS or 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 up to let the air bubble out. Once the air is removed, continue to hold the syringe
 'Scrub the hub' of your IV line with a NEW alcohol square for at least 15 seconds. Use the third alcohol wipe 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 square.
 Flush your IV line with saline again via the "pulse flush" method by doing the following: While holding your hub in one hand, hold the saline syringe in your other hand. Screw the syringe onto the hub using a "push and twist" motion (like putting a key into an ignition). Once the syringe is connected to the hub, make sure the clamp on your IV line is open. Slowly push 1 to 2 mL of medication at a time. Stop and push 1 to 2 mL more. Repeat this "pulse flush" until the saline 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 infusion provider.
Remove the empty saline syringe from your IV line using a gentle "twist and pull" motion. Throw it away in your trash. Be careful, and do not remove the hub from your IV line.
If you are not using heparin, close the clamp on your IV line and WASH YOUR HANDS for a full 20 seconds.
 If you are using heparin, remove the air bubbles from the heparin syringe on the H of the SASH mat as you did before with saline. Then 'scrub the hub' of your IV line using a NEW alcohol square for at least 15 seconds. Use the last alcohol square above your SASH mat (the one before the "H"). Once you have cleaned the hub, hold the hub with two fingers to avoid contaminating the hub with other surfaces. If your hub does touch anything, wash your hands and scrub the hub again with a new alcohol square.
 If you are using heparin, flush your IV line with heparin ("pulse flush"): Hold your hub in one hand and the heparin syringe in your other hand. 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 medication 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. <i>If your clamp is open and you still have difficulty, stop and call your infusion provider.</i>
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). 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!

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