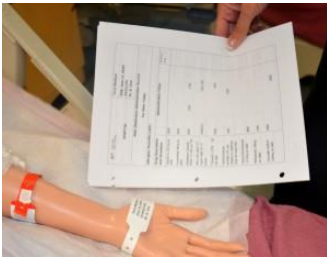









Checklist: IV Tubing Administration Set and IV Solution Change

Disclaimer: Always review and follow your hospital policy regarding this specific skill.

Steps	Additional Information
1. Verify physician orders for the type of solution, rate, and duration. Collect necessary supplies.	This step verifies the patient's need for IV fluids/medications. It also confirms the correct rate and solution for patient safety.
2. Perform hand hygiene.	Hand hygiene prevents the transmission of microorganisms.
3. Identify yourself, identify the patient using two identifiers, and explain the procedure to the patient.	<p>Proper identification of patient prevents errors.</p>  <p>Compare Medication Administration Record (MAR) with patient wristband</p>
4. Prime new administration set using a new IV solution bag and new IV tubing.	IV solutions are considered a medication. Prime the IV line. Keep distal protective cap attached to IV tubing to ensure sterility of distal end. Label IV solution and IV tubing as per agency policy.

	 <p>Keep distal end sterile with sterile cap</p>
<p>5. Hang new administration set (primed primary line and IV solution) on IV pole.</p>	<p>This prepares the equipment and adheres to the principles of aseptic technique.</p>
<p>6. Clamp old IV administration set. Remove IV tubing if on an EID.</p>	<p>Stop the flow of infusion during tubing and solution change.</p>
<p>7. Clean the connection between the distal end of old IV tubing and the positive pressure cap. Scrub the area for 15 seconds and let it dry for 30 seconds.</p>	<p>Proper disinfection of equipment decreases bacterial load and prevents infections.</p>  <p>Scrub the connection between the IV tubing and positive pressure cap</p>

<p>8. Remove the protective cap on the distal end of the new IV administration set.</p>	 <p>Remove sterile cap</p>
<p>9. Carefully disconnect the old tubing from the positive pressure cap and insert the new IV tubing into the positive pressure cap attached to the extension tubing.</p>	 <p>Disconnect IV tubing from hub</p>
<p>10. Open the roller clamp on the new tubing to regulate flow rate or insert new tubing into the EID and restart IV rate.</p>	<p>This step ensures the IV solution is infusing at the correct rate.</p>  <p>Regulate IV tubing using a roller clamp</p>
<p>11. Check IV site for patency, and signs and symptoms of phlebitis.</p>	<p>IV site should be free from redness, swelling, and pain. Dressing on IV site should be dry and intact.</p>

	 <p data-bbox="1042 421 1430 461">Assess IV site for patency</p>
<p data-bbox="204 524 991 564">12. Discard old supplies and perform hand hygiene.</p>	<p data-bbox="1042 524 1449 609">This step prevents the spread of microorganisms.</p>  <p data-bbox="1042 898 1426 983">Perform hand hygiene or ABHR</p>
<p data-bbox="204 1050 914 1090">13. Document procedure as per agency policy.</p>	<p data-bbox="1042 1050 1485 1184">Document the date and time of IV tubing and solution change.</p>
<p data-bbox="204 1252 1238 1292">Data source: BCIT, 2015b; Fulcher & Frazier, 2007; Perry et al., 2014</p>	