HERZING UNIVERSITY | SCHOOL of NURSING

# IV INFUSIONS
# SKILL VALIDATION

Student Name: _____ Date: _____

| | |
|---|---|
| **Supplies Needed** | Alcohol prep pad, IV primary tubing, IV secondary tubing, IV tubing labels, saline flush, 3 mL syringe, 20g needle, furosemide, 1000mL normal saline, vancomycin |
| **Equipment Needed** | IV arm task trainer, IV pump, IV pole |

| | Points Allowed | 1st Attempt | 2nd Attempt |
|---|---|---|---|
| **Preparation** | | | |
| Perform I-CHECK: Introduce yourself; Check armband **(two patient identifiers)**; Hand hygiene; Explain procedure; Check order; Keep privacy | +1 | | |
| Verbalize checking the **six medication rights** (right patient, right medication, right dose, right time, right route, right documentation) | +1 | | |
| Perform **premedication assessment** (allergies, relevant lab results, and vitals) | +1 | | |
| Educate patient on the medications' purpose and potential side effects | +1 | | |
| **Primary & Secondary IV Fluids** | | | |
| Perform **3 MAR checks** | +1 | | |
| Open primary tubing using aseptic technique, and label tubing with date | +1 | | |
| Close roller clamps, remove caps, invert bag, and spike using a twisting motion | +1 | | |
| Hang bag on IV pole & squeeze drip chamber to fill halfway; Open clamp to prime tubing, **expel air bubbles,** and close clamp | +1 | | |
| **Scrub the IV catheter hub** with an alcohol wipe for 15 seconds and allow it to dry | +1 | | |
| Connect tubing to patient and **calculate rate** (see order) | +1 | | |
| **Ensure compatibility** of secondary fluid and repeat previous six steps | +6 | | |
| Verbalize how to assess for signs and symptoms of fluid overload (e.g., shortness of breath, crackles in lung fields, edema, increased BP) | +1 | | |
| **Intravenous Medication** | | | |
| *Preparation*: Perform **3 MAR checks**<br>• **Assess for compatibility** | +2 | | |
| Clean the vial top with an alcohol wipe | +1 | | |
| Select an appropriate needle (typically 18G-20G) and syringe for drawing up the medication | +1 | | |
| *Medication Withdrawal:* draw air into the syringe equal to the medication volume, inject it into the vial, invert the vial, **withdraw the correct dose**, remove the needle from the vial, and expel any excess air and push the plunger until the desired dose is reached | +1 | | |
| *Site Preparation:* select the correct IV port for injection, **clean the port** with an alcohol wipe for at least 15 seconds, and allow it to dry completely | +1 | | |
| *Administration:*<br>• For running IV fluids, pause pump<br>• Remove needle and connect syringe to port<br>• Occlude tubing above the injection port, and administer medication via IV at the appropriate rate | +3 | | |

| | | | |
|---|---|---|---|
| *Post-Administration:*<br>• Unocclude tubing and restart pump<br>• Dispose of needles and syringes in a sharps container and perform hand hygiene | +2 | | |
| **Post-procedure** | | | |
| Document all medications in the MAR. *No points, but required* | | | |
| **Total Points (successful/unsuccessful)**<br>**23 out of 28 needed to be successful** | | | |
| **Comments**<br>**1st Attempt:**<br><br>**2nd Attempt:** | | | |

**Evaluator Initials or Signature**: _____ Date: _____

**1ST Attempt Pass** _____**/ Needs Remediation**_____

**Evaluator Initials or Signature**: _____ Date: _____

**2nd Attempt Pass** _____**/ Lab Fail**_____