

## Procedure: Changing an IV Solution Bag (Gravity /Electronic Infusion Device( EID) Infusion)

### A. Equipment & Consumables

- Prescribed **sterile IV solution bag**
- Existing IV tubing (primary line in situ)
- IV pole
- Alcohol swabs
- Time label / change label
- MAR (Medication Administration Record)
- Gloves (if required by policy)

### Step-by-Step Key Sequence

“Finish procedure → clean up → hand hygiene → document.”

### Important Notes

IV solutions are **medications** → must follow **Seven Rights ×3**

IV tubing spike and ports must remain **sterile**

Drip chamber must be  $\frac{1}{3}$ – $\frac{1}{2}$  **full**

Use **labels only**, do not write directly on IV bag

### Documentation

Date and time of IV bag change

Type of IV solution

IV rate

Total volume (if required)

Nurse’s name / initials

### B. Procedure Checklist

No.	Step / Criteria	Done (✓)	Not Done (X)
1	Verifies correct IV solution against MAR / doctor’s order (Seven Rights ×3)	<input type="checkbox"/>	<input type="checkbox"/>
2	Introduces self, identifies patient, and explains procedure	<input type="checkbox"/>	<input type="checkbox"/>
3	Performs hand hygiene	<input type="checkbox"/>	<input type="checkbox"/>
4	Removes outer packaging, squeezes bag to check for leaks and expiry	<input type="checkbox"/>	<input type="checkbox"/>
5	Assesses IV solution for clarity, colour, and precipitates	<input type="checkbox"/>	<input type="checkbox"/>
6	Pauses EID <b>or</b> closes roller clamp on gravity infusion	<input type="checkbox"/>	<input type="checkbox"/>
7	Removes protective cover from new IV solution port using aseptic technique	<input type="checkbox"/>	<input type="checkbox"/>
8	Removes old IV solution bag from IV pole	<input type="checkbox"/>	<input type="checkbox"/>
9	Removes IV tubing spike from old bag using twisting motion (keeps spike sterile)	<input type="checkbox"/>	<input type="checkbox"/>

10	Inserts IV tubing spike firmly into new IV solution bag using sterile technique	<input type="checkbox"/>	<input type="checkbox"/>
11	Hangs new IV solution bag on IV pole	<input type="checkbox"/>	<input type="checkbox"/>
12	Fills drip chamber $\frac{1}{3}$ - $\frac{1}{2}$ full and checks tubing for air bubbles	<input type="checkbox"/>	<input type="checkbox"/>
13	Opens clamp or starts EID and regulates IV infusion rate as prescribed	<input type="checkbox"/>	<input type="checkbox"/>
14	Labels IV solution bag with date and time as per policy	<input type="checkbox"/>	<input type="checkbox"/>
15	Disposes of used supplies appropriately	<input type="checkbox"/>	<input type="checkbox"/>
16	<b>Performs hand hygiene after procedure</b>	<input type="checkbox"/>	<input type="checkbox"/>
17	<b>Documents IV solution bag change in MAR / nursing notes</b>	<input type="checkbox"/>	<input type="checkbox"/>