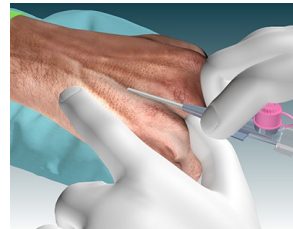




Intravenous Cannulation

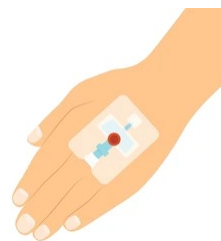
By
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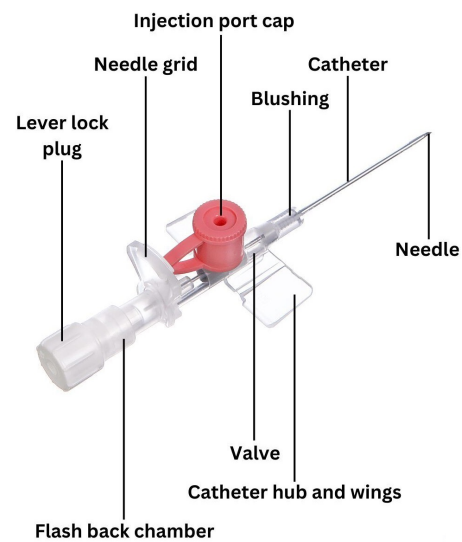
Intravenous (IV) Cannulation:

- IV cannulation is a technique in which a cannula is placed inside a vein to provide venous access.
- **Venous access allows:**
 - ✓ sampling of blood.
 - ✓ administration of medications, fluids, parenteral nutrition, blood products, chemotherapy.



2

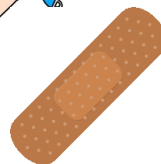
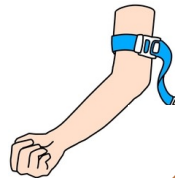
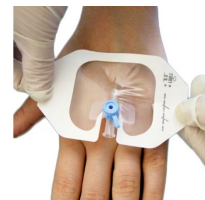
Parts of a Cannula:



3

IV Cannulation: Equipments:

- Clean gloves
- Intravenous cannula
- Cannula dressing
- Tourniquet
- 0.9% saline.
- Cotton gauze with tape
- Alcohol swab
- Sharps bin



4

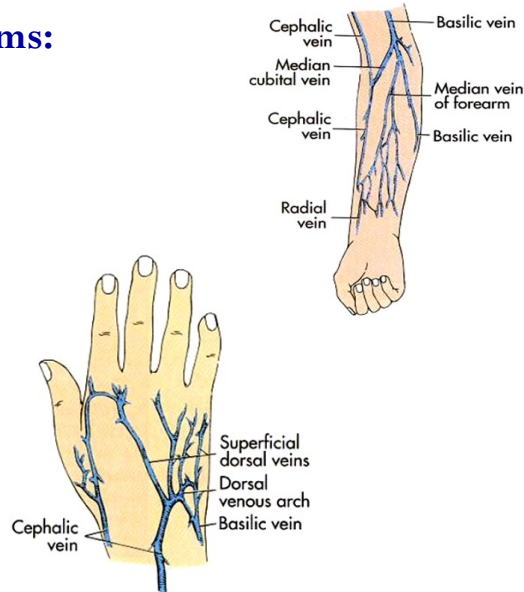
IV Cannulation:

• Veins of the fore arms:

- Basilic vein
- Cephalic vein
- Median cubital vein

• Veins of the hands:

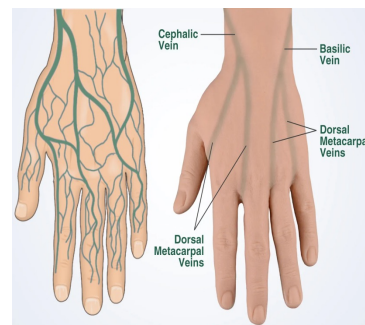
- Metacarpal veins.
- Dorsal venous arch.



6

General rules in selecting an IV site:

- Start in the most distal area before going proximally.
- It is better to use veins of the upper extremities.
- Avoid areas of flexion.
- Use the largest, longest, straightest palpable vein.



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IV Cannulation:

Indications for IV Cannulation:

- Repeated blood sampling
- Administration of drugs
- Administration of intravenous fluids
- Administration of blood and blood products

Contraindications for IV Cannulation:

- Injured, infected, swelled or burned extremity
- Extremity that have an arteriovenous fistula.

8

Questions/Comments



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