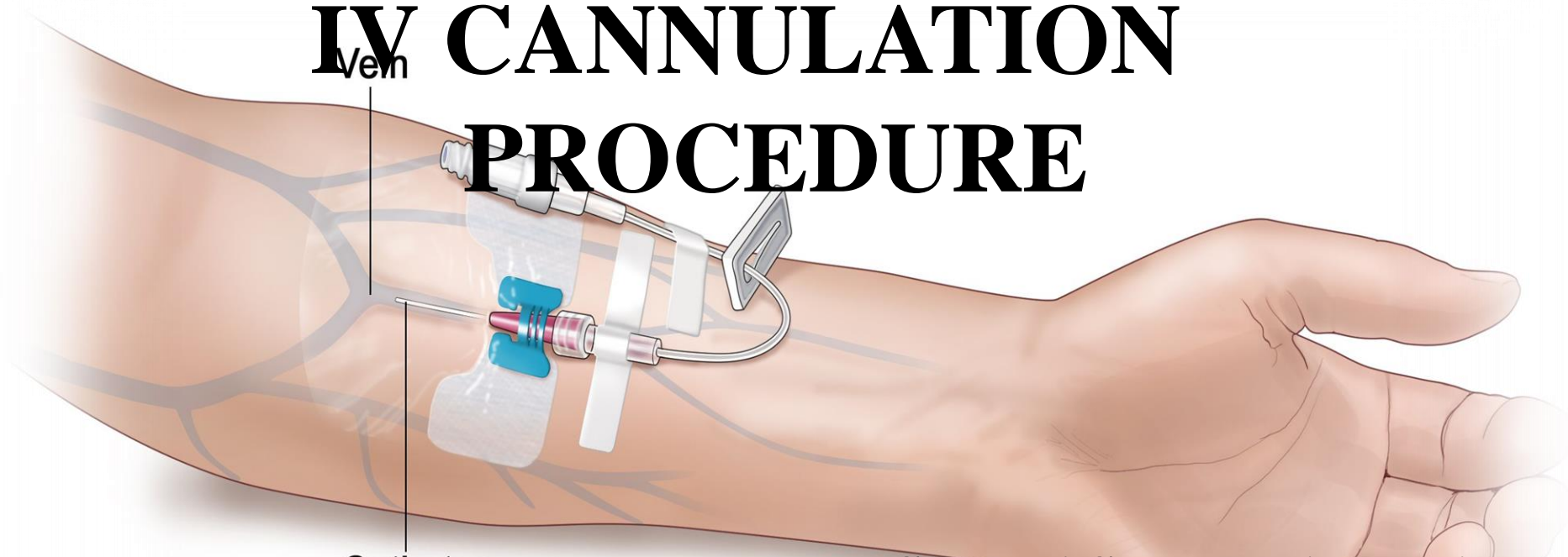


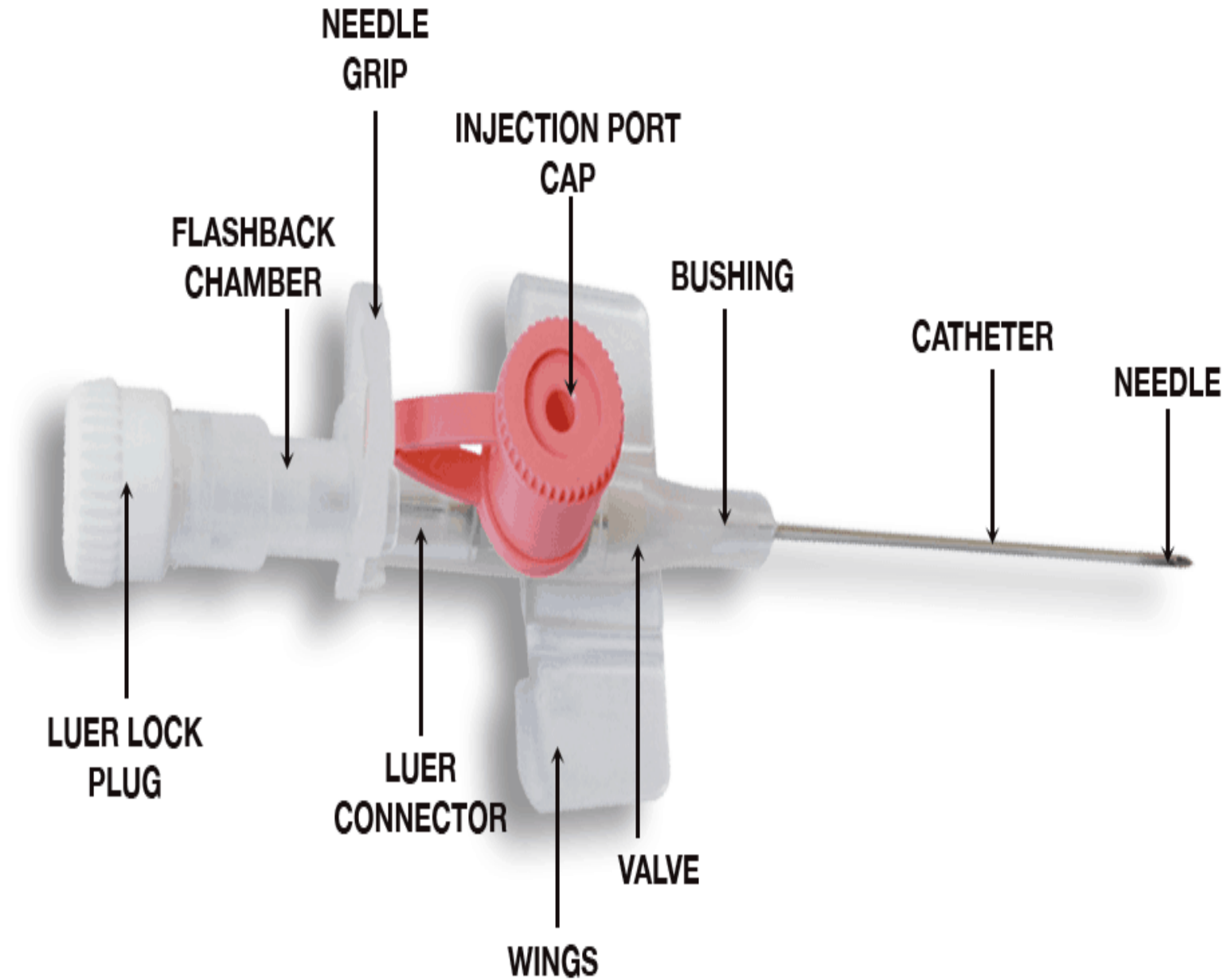
IV CANNULATION PROCEDURE

Ven

Catheter

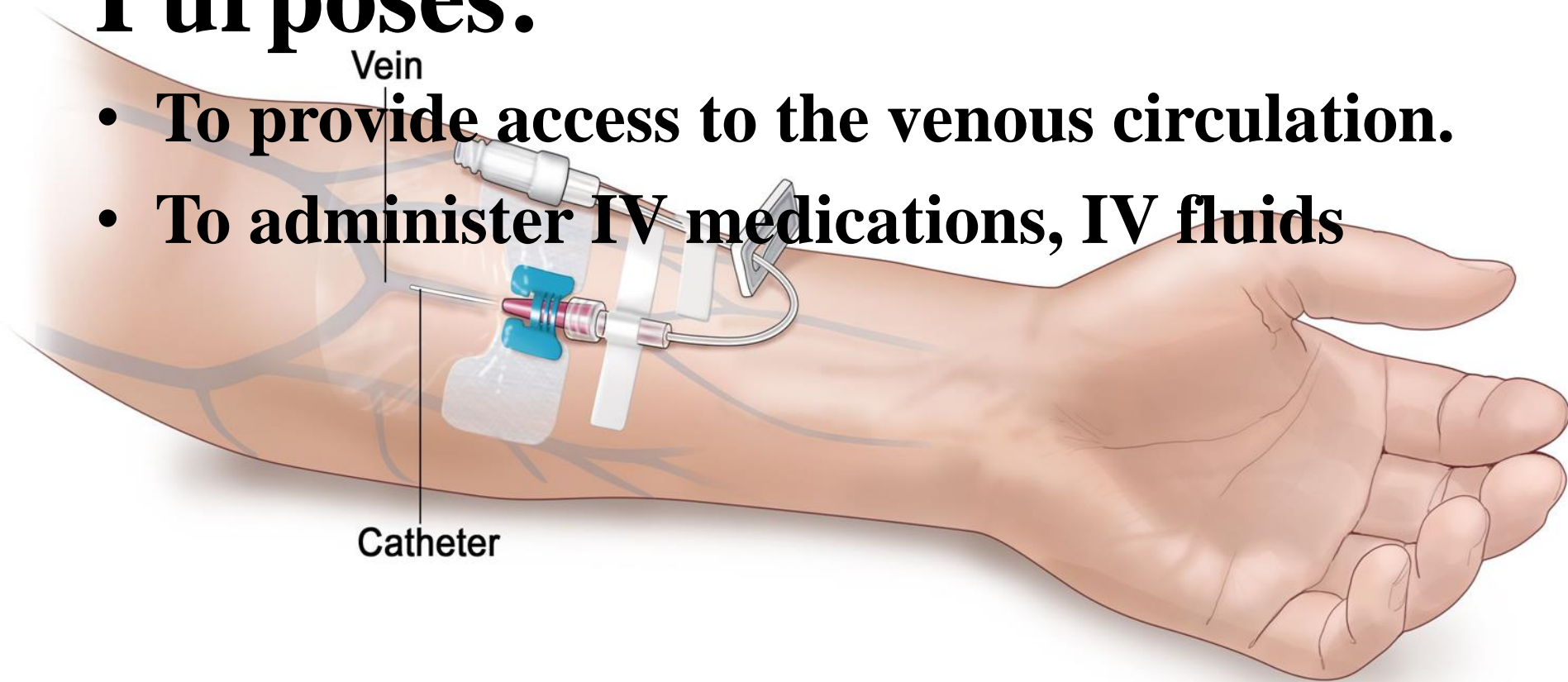
MS. TEJASVINI KALEKAR
Assistant Professor
MES College of Nursing





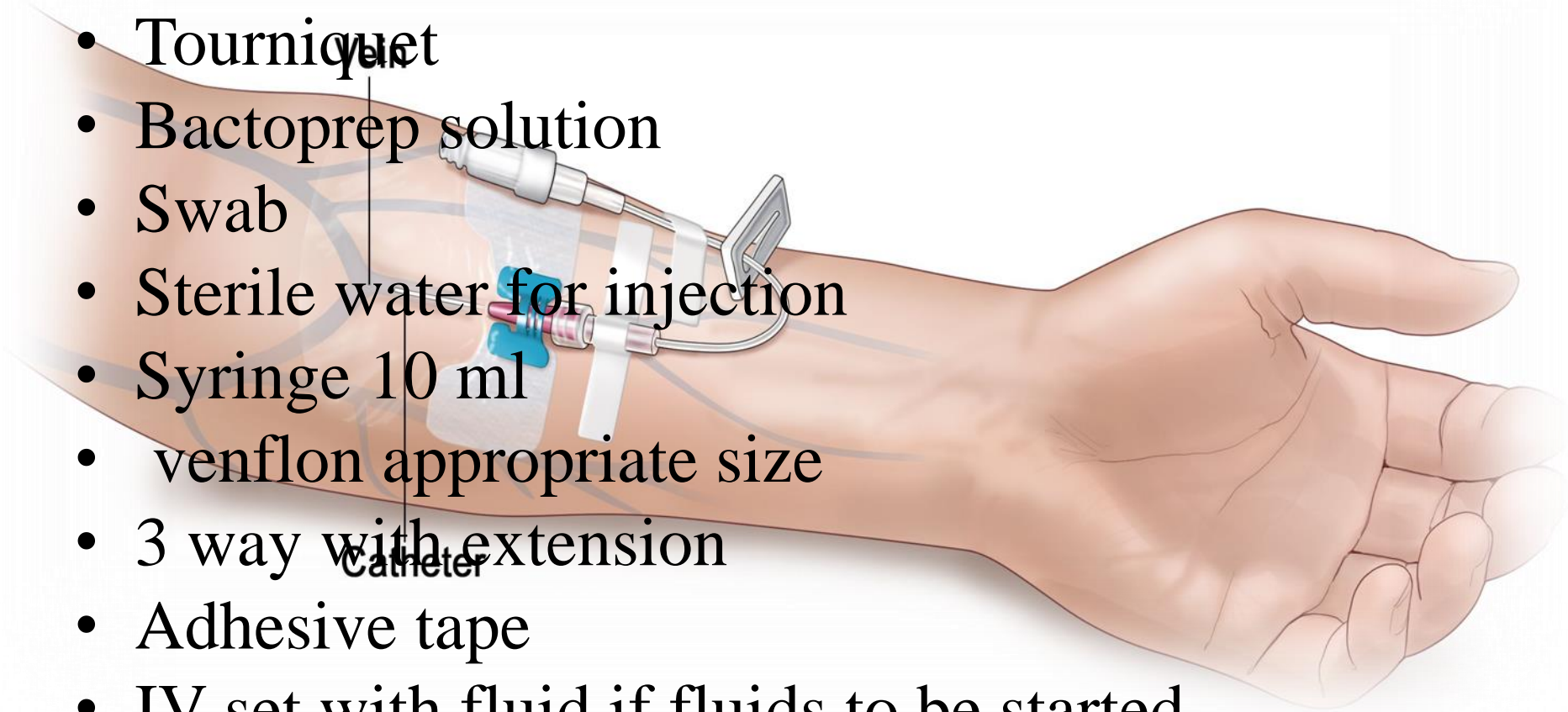
Purposes:

- **To provide access to the venous circulation.**
- **To administer IV medications, IV fluids**



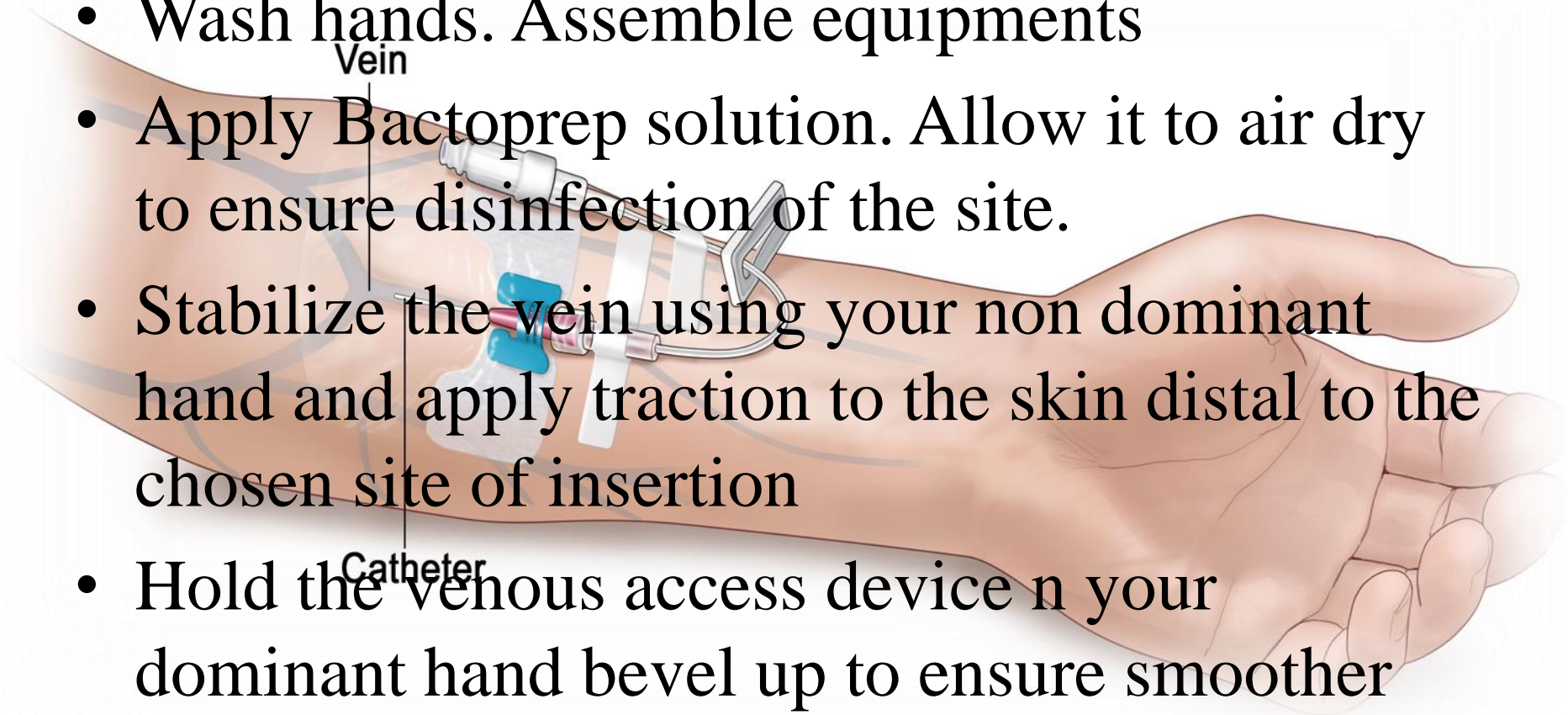
Articles required:

- IV cannulation tray containing
- gloves
- Tourniquet
- Bactoprep solution
- Swab
- Sterile water for injection
- Syringe 10 ml
- venflon appropriate size
- 3 way with extension
- Adhesive tape
- IV set with fluid if fluids to be started
- IV stand

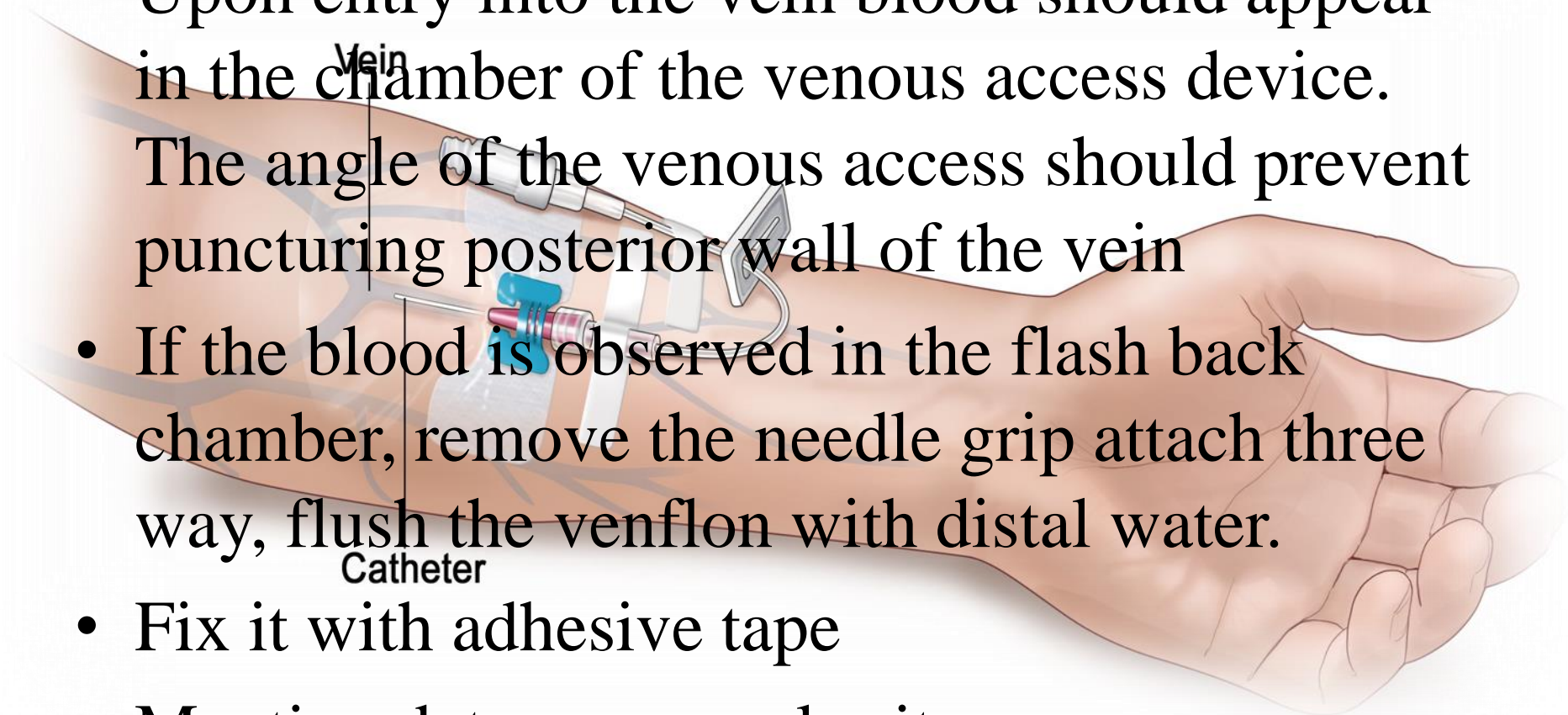


Procedure

- Explain procedure to the patient. Ensure privacy
- Wash hands. Assemble equipments
- Apply Bactoprep solution. Allow it to air dry to ensure disinfection of the site.
- Stabilize the vein using your non dominant hand and apply traction to the skin distal to the chosen site of insertion
- Hold the venous access device in your dominant hand bevel up to ensure smoother catheterization



- The angle of the needle entry into the skin will be 10- 25 degree
- Upon entry into the vein blood should appear in the chamber of the venous access device.
The angle of the venous access should prevent puncturing posterior wall of the vein
- If the blood is observed in the flash back chamber, remove the needle grip attach three way, flush the venflon with distal water.
- Fix it with adhesive tape
- Mention date on cannula site.

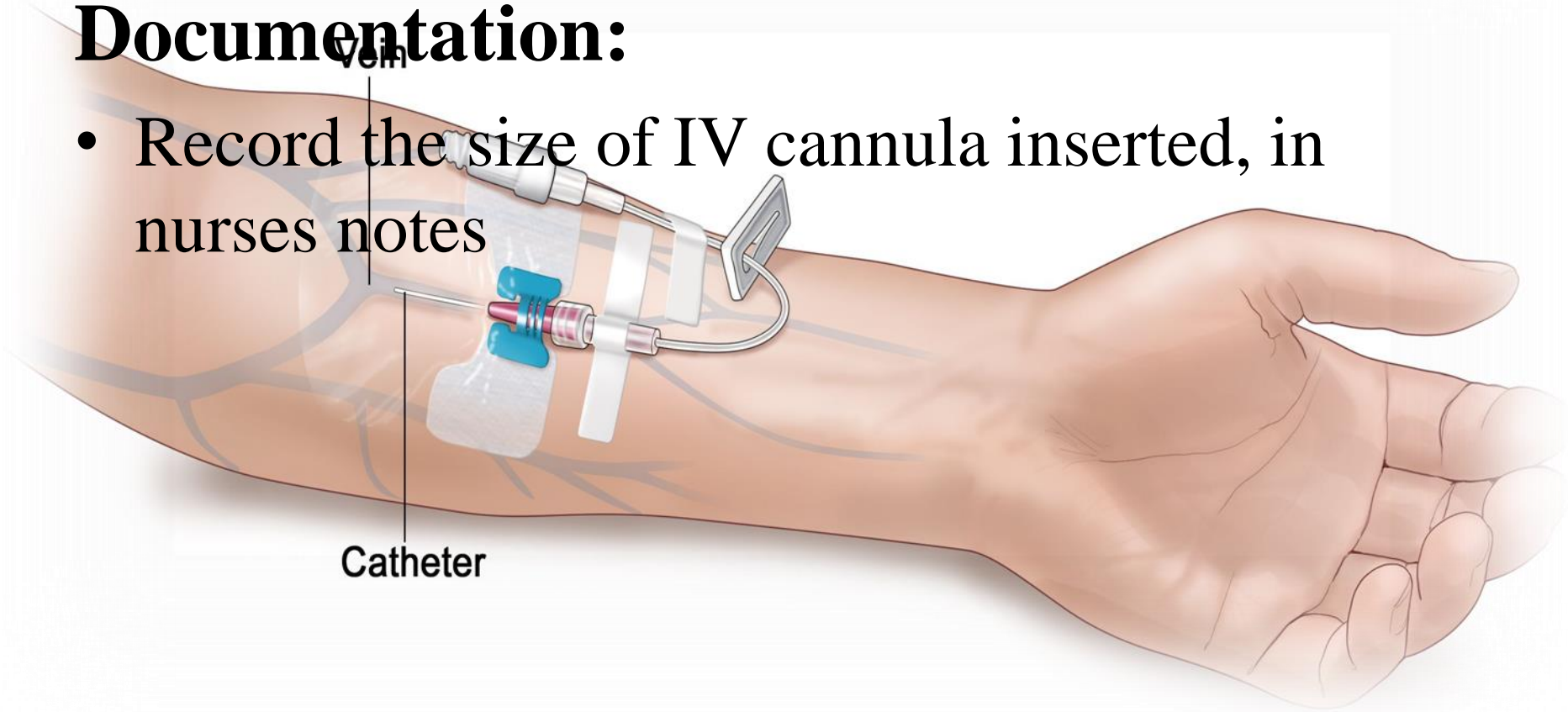


Documentation:

- Record the size of IV cannula inserted, in nurses notes

Catheter

Vein



IV Cannula Sizes & Colors

Gauge	Colour Code	Ext.Dia. mm	Length mm	Flow Rate ml/min	Indications
14G	Orange	2.1	45	240	Trauma, surgical procedures
16G	Grey	1.8	45	180	Trauma, surgical procedures
18G	Green	1.3	32/45	90	Trauma, quick blood transfusion
20G	Pink	1.1	32	60	Normal IV or blood transfusion
22G	Blue	0.9	25	36	Children, older adults
24G	Yellow	0.7	19	20	Neonates, children, old elderly
26G	Violet	0.6	19	13	Neonates



Thank

You