

## External Jugular Vein Cannulation 30.070

### Needed items

1. Needle/catheter
2. IV Fluid
3. IV Tubing
4. Antiseptic
5. Tape
6. Sterile Dressing

### Technique

- A. Place patient in Trendelenburg position to help extend the external jugular vein and decrease the likelihood of introducing air into the vein.
- B. Turn patient's head slightly to the opposite side.
- C. Cleanse with antiseptic.
- D. Align needle/catheter in the direction of the vein with the tip of the needle aimed toward the ipsilateral (same side) nipple.
- E. Apply light pressure on the inferior aspect of the external jugular to create a tourniquet effect using an assistant if available.
- F. Insert needle and enter the vein making certain air is not allowed to enter the vein.
- G. Note blood return and advance catheter.
- H. Withdraw needle and attach IV tubing.
- I. Cover site with sterile dressing.

### Document

1. Procedure
2. ABCs
3. Detailed Assessment
4. Vital signs, SpO<sub>2</sub>
5. Cardiac Rhythm
6. Number of attempts
7. Amount of IV fluid administered.

### Contraindications

1. C-spine precautions
2. Patient unable to remain still as a result of intrinsic factors (confusion, agitation, etc.) or extrinsic factors (e.g. CPR in progress).
3. Non-visible superficial presence of vein

### Notes

1. If arterial puncture is suspected (e.g. pulsatile or bright red blood return), the catheter should be removed and 20 minutes of continuous external pressure must be held over the site. Report to receiving provider at hospital.