

Central Venous Catheter insertion checklist in Critical Care

Document LocSSIP usage in the free text box at end of document

Team:

- Trained personnel to insert line,
- Experienced assistant
- Staff introduce themselves by name and role

Patient:

- Confirmed correct patient
- Consent: informed or best interest, family aware.
- Procedure explained to patient.

Site Location:

Communicate chosen site for CVC catheter

Contraindications:

- Clotting and platelets
- Prescribed anticoagulation
- Previous vascular/neurosurgery i.e. grafts, stents, V.P.or V.A. shunt, pacing wires.
- Allergy to chlorhexidine, lignocaine, Sulphur antibiotics

Equipment: CVC:

Line insertion pack, mask, sterile gloves
Chlorhexidine for skin
Normal saline flush
A CHG dressing
3x Y needle free connectors,
Local anaesthetic, Absorbent

Vascath: As above but specific CVC pack, filter, orange and blue needles, probe cover/gel, syringe for LA,

Time out - Just before the procedure:

Team:

- Availability of assistant throughout the procedure.

Site Location:

- Perform a cursory ultrasound examination of the chosen location

Equipment:

- Ensure excellent aseptic technique
- All equipment is at hand

Patient, assess:

- Oxygenation: target SaO₂ achieved
- Sedation (if required),
- CV support i.e. fluids, metaraminol
- Ability to tolerate appropriate positioning

Safety precautions throughout procedure:

Utilise US guidance throughout to:

- Locate vessel
- Confirm real time vessel puncture
- Confirm guide wire location pre dilatation.
- Aseptic technique(nurses observe/feedback)

- Monitor ECG when inserting guide wire (Nurse should observe).
- Ensure guide wire is removed once the line is in place.(articulate to nurse you've removed)
- Monitor patient for acute deterioration
- Check patency of all lumens

Post procedure:

Attach CVC to transducer:

- Confirm waveform is venous
- Dispose of sharps safely
- Check flush fluid is correct and labelled

- Check all caps are in place
- Check patient observations
- Reposition patient
- Communicate ongoing management, i.e. fluids, vasopressors.

- Order and review chest x-ray (if required)
- Document insertion, recording use of LocSSIP in free text at the end of the document