



## **Standard Operating Procedure for Assessing a Central Venous Catheter (CVAD) for blood sampling**

### **Introduction**

Central Venous Catheters must be accessed using an aseptic technique by staff members qualified in IV therapy.

### **Purpose**

This standard operating procedure describes the operations followed when accessing a central venous catheter to obtain blood specimens

### **Equipment Required**

- Sterile Dressing Pack
  - 4 x 10ml luer lock syringes
  - 1 x 5/2.5ml luer lock syringe
  - Sterile gloves
  - 2% Chlorhexidine wipes x 10
  - 1 x vial of Sodium Chloride 0.9%
  - 2 x green needles
  - Line locking agent
  - Sharps Container
1. Wash hands
  2. Clean work surface and dry

3. Gather equipment required
4. Wash hands for a minimum of 60 seconds
5. Open dressing pack, take the corners and access sterile field with minimal touching
6. Open all syringes, needles, Chlorhexidine 2% wipes and gloves and drop onto sterile field.
7. Place locking agent and sodium chloride 0.9% on work surface
8. Wash hands thoroughly for a minimum of 60 seconds
9. Put on sterile gloves
10. Attach green needle to 10ml syringe
11. Take a Chlorhexidine 2% wipe and clean surface of Sodium chloride, avoid gloves coming into contact with sodium chloride and open bottle
12. Take 10ml syringe and needle and draw up 10mls of sodium chloride. Discard wipe and bottle, discard needles into sharps container
13. Take a Chlorhexidine 2% wipe and clean surface of locking agent avoid gloves coming into contact with the bottle, take 5ml syringe and draw up prescribed amount discard wipe and vial, discard needle into sharps container
14. Cover trolley with sterile drape during transfer to patient
15. Once at patient place sterile drape underneath lines
16. Take a new Chlorhexidine 2% wipe and clean the Tego connector for 10 seconds allow drying for 20 seconds
17. Take clean Chlorhexidine wipe and hold line, attach empty 10 ml syringe open arterial clamp and withdraw 2 ml lock and discard
18. Attach 10ml syringe to lumen and withdraw 10mls blood, place back onto sterile trolley

19. Take a further 10ml syringe and withdraw amount needed for blood sampling
20. Remove all air out of syringe with blood and attach back to arterial lumen and return back to patient
21. Attach 10ml syringe with Sodium Chloride and flush the line using pulsing motion
22. Take 5ml syringe of locking agent and flush line using a pulsing motion and clamp quickly as soon as volume infused.
23. Clean tegos of any blood and ensure bungs tight and secure