Hub Maintainance for PICC or CVC

**PREPARATION**

01 Gather appropriate supplies:
- Pre-filled saline syringes- 1 for each lumen
- Injection cap/needleless connector-1 for each lumen
- Antiseptic wipes containing alcohol, CHG, or povidone-iodine
- Clean gloves

02 Hand hygiene on entry to room, don clean gloves.

03 Explain procedure to patient.

04 Open package and attach saline syringe to injection cap/needleless connector while maintaining the sterility of the syringe tip.

05 Prime needleless connector/injection cap (if applicable to cap).

06 Before accessing hubs, connectors, or injection ports, Scrub with alcohol, povidone-iodine, CHG using friction and a twisting motion for no less than 5 seconds.**

07 Scrub where catheter hub and injection cap meet with appropriate antiseptic agent.

08 Allow to completely air dry.*

09 Clamp the catheter if necessary as cap is removed.

10 Remove injection cap from hub of catheter and using a new antiseptic cleansing device/wipe scrub the catheter hub with CHG, alcohol, or povidone-iodine**

**PROCEDURE**

11 Allow to dry.*

12 Remove protective cap from distal end of injection cap/needleless connector and attach to catheter hub.

13 If not already attached, attach syringe to injection cap/needleless connector maintaining the sterility of the syringe tip.

14 Unclamp extension leg of intended lumen if necessary, and verify blood return.

15 Using a vigorous pulsatile technique flush the intended lumen with 10 ml of saline and confirm lumen flushes with no resistance. Disconnect syringe and discard.

16 Single use flushing syringes never re-used even on same lumen.

17 Repeat above for all lumens.

**POST PROCEDURE**

18 Discard supplies.

19 Remove gloves.

20 Perform hand hygiene.

21 Document procedure in patient record per institutional policy.