

Hub Maintenance 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.

PROCEDURE

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**



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.

FOR HOSPITAL CLINICIAN USE ONLY

*Please consult facility protocols and manufacturer's Instructions for Use, product labels and inserts for any indications, contraindications, hazards, warnings, precautions, and directions for use.

**Do not use in patients with known allergies to chlorhexidine gluconate or isopropyl alcohol

Note: This document is for informational purposes only and is not intended to be a substitute for clinical judgment and expertise.