Central Line Care Bundle
(Based on CDC Guidelines)

• A group of interventions that, when consistently used together, can dramatically reduce the incidence of catheter related blood stream infections (CRBSI)

• The Central Line Care Bundle consists of five components:

  1. Hand hygiene
     • Scrub time – at least 15 seconds

  2. Maximal barrier precautions
     • Large drape for line insertions
     • Masks for everyone in the room, including the patient during insertions and dressing changes

  3. Chlorhexidine skin antisepsis
     • 30 second application
     • Must dry for 30 seconds

  4. Optimal catheter site selection
     • Subclavian site preferred
     • Femoral site discouraged

  5. Prompt removal of unnecessary lines
     • ICU daily rounds

Note: Nurses are empowered to take corrective action when any break in technique occurs.
Central Line Care
(Nursing Procedure V-A-5.1)

Dressing Change
- Transparent dressing: q Monday
- Primapore dressing for patients allergic to transparent dressing: q M–W–F
- Dressing change for implanted ports: q week, when needle is changed.

Tubing Change
- Replace q 72 hours
- Change tubing immediately after administering blood and q 24 hours for lipid-based drugs or TPN

Needleless Adapter
- Disinfect the adapter with alcohol EVERY TIME the system is accessed
- Change q M–W–F and immediately after giving or withdrawing blood

Limit Manipulation of the Line
- Do not routinely disconnect tubing for showers, changing gowns, ambulation, etc.
- Avoid blood withdrawal for laboratory tests

Flushing Procedures—intermittent use
- Before each use: saline 10mL
- After each use: saline 10mL; heparin (100 units/mL), if ordered
- After blood withdrawal or administration of blood products: Saline 20 mL; heparin (100 units/mL), if ordered

Flushing Procedures—lines not in routine use
- Use saline 10mL or heparin (100 units/mL), if ordered
- CVC, PICC, implanted ports (accessed): q 12 hours, for each lumen
- Unaccessed implanted ports: q 4 weeks

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