Indications and Procedure Guidelines for PICC Line Dressing Changes in NCCC

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WILL BE PERFORMED BY

• The PICC team
  – Nurse Practitioner
  – PICC RN
  – Neonatal Fellow
  – Neonatologist
IMMEDIATE INDICATIONS FOR DRESSING CHANGE

- Non occlusive dressing
- Soiled, damp, or wet
IMMEDIATE INDICATIONS FOR DRESSING CHANGE

• Reinforced with tape
WHAT IF THERE IS BLOOD UNDER THE DRESSING?

• Only change if non occlusive or reinforced

• Change within 7 days if hemostatic product (Statseal) has been used
DRESSINGS CANNOT BE...

- Reinforced with tape
- Submerged under water for any period of time
PICC TEAM RESPONSIBILITIES

- Verify with infant’s nurse regarding the timing for the PICC dressing change
- Infant’s nurse is to be available at the bedside for the procedure
- Identify the safety bubble range for the procedure
  - Trash and cleaning will need to be postponed by environmental services until the procedure is completed
  - Any staff within 3 feet of the area will need to wear a hat & mask
BEDSIDE RN RESPONSIBILITIES DURING PROCEDURE

• Available to assist with dressing change
• Gather extra supplies if needed
• May need to hold extremity or pacifier in place
• Notify PICC team member of break in sterile technique
PICC TEAM MEMBER RESPONSIBILITIES
PRIOR TO PROCEDURE

• Don hat and mask
• Perform hand hygiene
• Apply clean gloves
• Provide comfort measures to infant (swaddle/oral sucrose)
• Remove extraneous items from bed which could contaminate sterile field
• Coordinate the timing of dressing change with pod mates
PICC TEAM MEMBER PREPARES FOR PROCEDURE

Gather equipment including:

- PICC line dressing kit (if available)
  - Suture removal kit
  - Steri Strips
  - Tegaderm (adequate size)
  - Chloraprep or Betadine
  - Alcohol Wipes
- Disposable mask/hat
- 2 pairs of sterile gloves (double gloving)
  - Current size glove for inner glove and one size larger glove for outside glove
- Securement device (if available)
- Sterile field
  - Blue Drapes
PERFORM HAND HYGIENE
PUT ON MASK AND HAT
PLACE EQUIPMENT ON STERILE FIELD

- Swabs (attach to bedside)
- Suture removal kit
- Gauze 2x2’s (PRN)
- Steri Strips
- Tegaderm
PREPARING THE DRESSING FOR REMOVAL

1. Remove outer steri strips
   - Use alcohol to moisten if necessary

2. Loosen the tegaderm dressing
   - Stretch the edges of the tegaderm for easier removal

Assistant should hold extremity and PICC after Tegaderm is loose while PICC team member washes hands and becomes sterile
PERFORM HAND HYGIENE
DOUBLE GLOVE

INNER GLOVE: Place current size gloves on hands using aseptic technique

OUTER GLOVE: Place larger size glove over inner glove
REMOVE THE OLD DRESSING

Remove old steri strip & tegaderm dressing in the direction towards the insertion site

Stabilize catheter disc with non dominant hand
CLEANSING THE SITE

- Discard outer glove
- **Cleaning agent:**
  - If <1000 gms and < 1 week of age with betadine solution
  - If >1000 gms and >1 week of age with Chlorhexidine
  - If >1 week of age (regardless of weight) with Chlorhexidine
- Cleanse the skin around and at the insertion site.
- Allow to air dry. This can take up to 1-3 minutes.

*DO NOT BLOT OR BLOW DRY!*
TRANSPARENT DRESSING

• Place steri strip over hub
• Place a transparent dressing (Tegaderm) over the insertion site and the “hub” of the catheter
• If possible, make sure there is a slight curve in the catheter under the dressing (decreases tension)
• May need to move “hub” of catheter for different pressure point on extremity. (Can use forceps in suture removal kit)
SECURING THE CATHETER

• Using chevron technique, place a steri strip (adhesive side up) under the extension tubing next to the “hub”, crossing over the “hub” and on top of the transparent dressing
• Do not place over insertion site
• Place 1-2 steri strips on top of chevron cross area
DON’T EVER!!!!!!

• Place tape (including steri strips) over the catheter. This will compromise the strength and integrity of the catheter.

• Loop the catheter over itself whereby one section is resting on another section of the catheter.
HAND HYGIENE

• Remove gloves
• Wash hands
In Epic click Notes, click procedure tab and new note
In the new note in the smart text box type “Neo PICC” and click on dressing change option
Note appears with text F2 thru choices
Add documentation regarding placement of the line prior to and after dressing change
Sign note