

MANAGEMENT & CARE - Tunnelled Chest Inserted Central Catheter (CICC)

FACTS ABOUT CICC's

- The Dacron cuff sits in the catheter 'tunnel' approximately 2-3 cms from the exit site (where external lumens exit). There is a small incision at the base of the neck. This is referred to as the insertion site
- The CICC is a tunnelled 6 Fr double lumen or 5 Fr single lumen purple in colour and is power injectable
- The CICC is an 'open ended' catheter with all lumens exiting at the same point each providing an independent pathway for administration of medications & fluids
- SURGICAL ADHESIVE applied around the exit site & to the underside of the CICC should last for 2-3 weeks- it may need to be renewed if the cuff has not grafted to the tissues in the tunnel
- If the SURGICAL ADHESIVE is compromised during this time *contact Radiology 81410 ask for nurse coordinator*
- Use a Tegaderm Transparent film bordered oval dressing or a Sorbaveiw PICC dressing (see over)
- Use Griploc/s to secure and support any IV tubing attached to the CICC to prevent drag on the catheter
- To remove Surgical adhesive use alcohol to soften adhesive and forceps to lift it away from skin

MANAGEMENT and CARE FACTS

Management and care is essentially the same as for a Hickman catheter. *Refer to the Hickman catheter section- CVAD Resource Book to guide your practice.*

KEY PRACTICE POINTS:

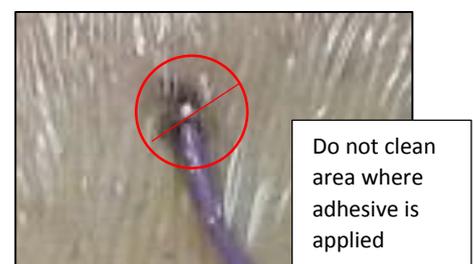
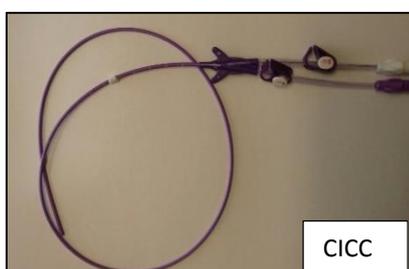
- CICC's have **surgical adhesive** applied around the insertion site and for one cm on the underside of the catheter.
 - This provides haemostasis at the insertion site, prevents bacteria entering the extra luminal pathway and provides catheter stability during cuff engraftment following catheter insertion.
 - The catheter has a small Dacron cuff which takes approximately 3 weeks to grow into the tissue to act as an internal securement for the CICC.
 - **Whilst the adhesive is in place do not lift the catheter up from the insertion site or pull on the catheter causing it to dislodge/migrate before the cuff has grafted into the tissues.**
 - Routine dressing changes weekly or if the dressing is compromised in any way.
 - **DO NOT use a 'REMOVE' swab to assist with dressing removal. If it comes in contact with the surgical adhesive it acts as a solvent.**
- Use care when cleaning the CICC exit site**
- **DO NOT clean the area at the insertion site while the surgical adhesive is in place. Start cleaning from perimeter of the surgical adhesive and work outwards to avoid disturbing it.**

Surgical adhesive is a clear but visible substance applied around the insertion site

REMOVING A CICC

CICC's may be removed by RN who have a CVAD competency

1. Clean exit site as per policy- ref CVAD Resource Book
 2. Support skin along the 'tunnel' with non-dominant hand
 3. Grasp external portion of the CICC and give a firm tug to separate the cuff from the tissues.
 4. Remove CICC slowly- put digital pressure on **IJV site** as the CICC exits the jugular vein into tunnel
 5. Cover the exit site with sterile gauze and apply pressure to exit site until any bleeding has stopped.
 6. Cover the wound using a sterile opsite with dressing pad and leave covered until healing has occurred.
- If there is difficulty removing the CICC medical intervention will be necessary to perform a small cut down to separate the cuff from the tissue allowing the catheter to be removed*



DRESSINGS.

A Tegaderm IV Advanced Dressing 1685 or a Sorbaveiw PICC dressing may be used to cover the insertion site and the catheter wings.

IMPORTANT: Note the correct angle of the dressing in figure 1

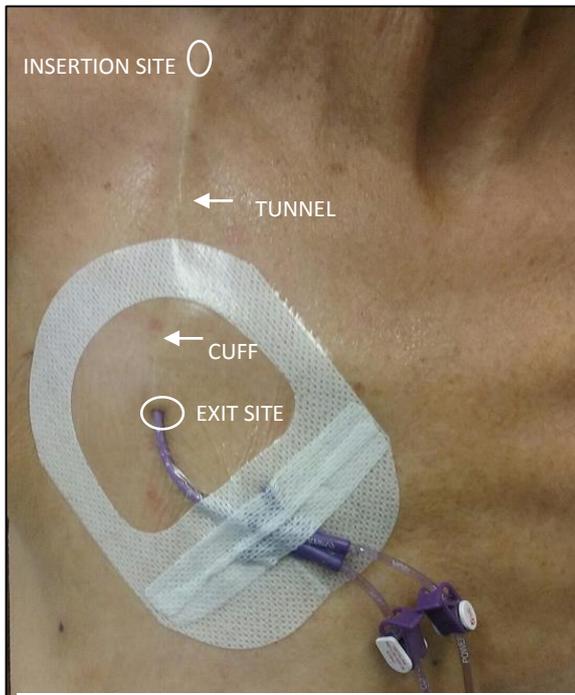


Figure 1 CORRECT PLACEMENT OF DRESSING.

Note angle of dressing placement and position of external lumens in a gentle curve minimises vertical drag on the catheter

IMPORTANT INFORMATION:

Do not use the Tegaderm (1657R) CHG dressing or a Biopatch® around the insertion site when Surgical Adhesive is present at the insertion site

Haematology/Oncology: A CHG dressing or Biopatch® may be used once the cuff has engrafted and Surgical Adhesive is no longer required at the insertion site. Surgical Adhesive usually lasts for approximately 2-3 weeks.

