

De-needling a port

Central Venous Access Device (CVAD)

Equipment required

Alcohol hand gel or soap
Detergent wipes
Rubbish bin
Large washable tray
Sterile gloves

Large dressing pack
Pre-prepared sterile saline syringes
Antiseptic swab pad
Sharps container

Prescribed lock solution
Medication
Small occlusive dressing

Key points

1. Scrub the bung
2. Saline flush first using push, pause technique
3. Administer prescribed lock
4. Use a locking technique to prevent blood reflux
5. Finish with clean and when dry apply occlusive dressing

Start by

- Remove all jewellery/watches/false nails. Short nails are preferable.
- Wear laundered clothes or a clean apron.
- Roll up sleeves to the elbow.
- Have a rubbish bin handy so that all used items go directly into the bin.

Prepare your child

- Position your child comfortably so that you can access the line.
- Explain to your child that once you have cleaned their bung it is really important they don't touch it so that it remains clean.
- Offer your child something to comfort and/or distract them during the procedure. This can include their favourite toys, iPad or simply talking to your child.

Wash your hands

- Turn on the tap for warm water.
- Wet your hands and use enough soap to lather your hands and wrists.
- Wash every surface of your hands and wrists.
- Dry your hands with a clean paper towel, use the paper towel to turn off the tap.



Prepare yourself and the equipment

- Wash or gel your hands/wrists.
- Gather equipment and check packaging for damage, expiry date and child details on the medications.
- Clean your workspace along with the tray with detergent wipes, ensuring the sides, outside and base of tray are cleaned and then allowed to dry.
- Wash or gel your hands and wrists.
- Open your dressing pack and place on your clean space.
- Open the dressing pack by the corners making sure you don't touch the inside of the pack. Open your equipment on to the dressing pack making sure you don't touch any of the opened equipment, this is now your 'sterile field'.
 - Antiseptic swab pad/stick
 - Occlusive dressing
 - Pre-prepared saline syringes
- Prepare your lock solution and have ready in a separately washed tray with a swab pad.
- Wash or gel your hands and wrists.

Put on sterile gloves

Step 1

- Wash/gel hands, wrists and allow to dry.
- Open the packet and unfold the contents to reveal the gloves without touching them.



Step 2

- If you are right-handed start with the right glove. Use your left hand to hold the cuff, while you slide your right-hand in. Don't touch the outside of the gloves.



Step 3

- Use your gloved hand to hold inside the cuff of the other glove while you slide your other hand in.



Step 4

- Once both gloves are on you can now touch the outside of the gloves and make them fit.
- Your gloved hands are now considered sterile, so touch only the bung and contents of the blue tray to limit contamination.



Access and lock the port

- Scrub the bung with an antiseptic swab pad for 20 seconds and allow to dry for 30 seconds.
- Attach pre-prepared saline syringe and following blood withdrawal check give a stop start flush, leaving a small amount of liquid in the syringe. Repeat with second syringe.
- Attach prescribed lock syringe and administer its contents, leave a small amount of fluid in the syringe.
- Remove syringe and then clamp line.

De-needling the port

- Using your non dominant hand, hold the base of the port needle while stabilising the port.
- Using your dominant hand lift up vertically the yellow shaft of the device.
- Wrap the white wings around your pointer finger, slide the white wings upwards to the ceiling.
- The needle will retract inside the shaft.



Clean and apply dressing

- Prepare your child for the clean with the swab stick, it can be cold and may sting
- Use a cleaning technique that is:
 - Back and forth with friction
 - Flip over swab stick to go in opposite direction
- Allow to dry completely without wafting or blowing.
- Apply sterile dressing.
- Praise your child for all of the things they did well during the procedure.
- Dispose of sharps in sharps container and rubbish into bin and finish by washing your hands.



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Produced by: Anaesthetics
Ref: 1430 © CAHS 2022

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