HEPARIN LOCK PROCEDURE
POST HAEMODIALYSIS

HAEMODIALYSIS LINES ARE TO BE USED ONLY FOR DIALYSIS TREATMENT (EXCEPT IN A MEDICAL EMERGENCY)
A) PREPARATION

Reassure patient and explain actions

Wash hands thoroughly for at least 15 seconds using Ayliffe technique.

Clean trolley with soap and water and then wipe trolley with Trust approved alcohol-impregnated wipe.

Collect equipment:
Hospital approved dressing aid pack.
Aqueous betadine.
2 x 10ml syringes.
1 x green needle.
1 x vial of heparin (5000iu/ml).
1 x 10ml ampule saline 0.9%.
2 x disconnect bungs.
Clean roll of micropore tape.

Take the trolley to the patients bed area.

B) ARRANGE ASEPTIC FIELD

Open dressing aid pack and allow inner to fall onto trolley.

Open out dressing pack creating sterile field and open equipment onto field.

Use Trust approved alcohol gel hand rub and then place towel under central catheter lumens and point of connection with dialysis lines.

Place heparin and saline at side of sterile field

Pour aqueous betadine into tray.
C) DISCONTINUING DIALYSIS AND INSERTING
  HEPARIN

Always use two nurses when discontinuing haemodialysis using a central venous catheter.

Use Trust approved alcohol hand rub.

Put on sterile gloves

Using a piece of sterile gauze soaked in aqueous betadine work firmly with friction covering all exposed surfaces around the junction/hub at disconnection site for at least one minute. Place a new sterile towel under the cleaned lines and wait for the betadine to dry.

With the assisting nurse draw up 10ml of saline 0.9% in one syringe and place on sterile field.

In the 2\textsuperscript{nd} syringe draw up required amount of heparin and place on sterile field.

Place the needle and heparin vial in the sharps container.

The volume of heparin to be used is 0.1ml more than indicated, by the manufacturer, to fill the lumens of the catheter. This amount is shown in millilitres and is printed on the side of the catheter.

Clamp the appropriate lumen of the central catheter and disconnecting dialysis line and disconnect holding approx. 2cm away from site of disconnection to avoid hub contamination.

Pass line to assisting nurse using no-touch technique.

Connect the syringe containing saline and inject this lumen with 5mls using push/pause technique. Clamp the limb of the catheter

Connect the syringe containing heparin and inject the correct amount (depending on size of line) clamping while still injecting to ensure a positive pressure in the lumen.

Place disconnect bung on the end of the lumen.
Once washback from dialysis is complete repeat the above with the other lumen.

Wrap sterile gauze around the catheter lumens ensuring they are completely covered, including the clamps and tape securely into place.

Remove dressing towel and gloves and discard of equipment.

Wash hands using Ayliffe technique.
REFERENCES


