CHANGING GIVING SETS VIA CENTRAL LINES

Changing central lines is a 2 person standard aseptic technique. See Infection Control Manual - Framework for Aseptic Technique.

TPN giving set is to be changed every 96hrs (72hrs at 6B). Lipid and lipid extension tubing is changed every 24hrs.

Giving sets are not to be pushed through incubator access ports under any circumstances. Incubator doors must be opened when changing a TPN line.

EQUIPMENT

1. Trolley
2. Sterile gloves and dressing packs
3. Alaris giving set (check expiry date) +/- orange lipid line
4. Chlorhexidine and alcohol 70% swab

PROCEDURE

PREPARATION (ASSISTANT OR STERILE OPERATOR)
1. Hand hygiene, open dressing pack (general aseptic field)
2. Place sterile gloves on a separate clean surface

PRIMING GIVING SET - PROTECT KEY PARTS (STERILE OPERATOR)
3. Hand hygiene, put on sterile gloves
4. Clamp giving set and spike the TPN/fluid bag after assistant has removed the blue end.
5. NB. Assistant to make sure the spike has completely entered the bag.
6. Prime the line and leave clamped until attached.

ATTACHING THE NEW GIVING SET ASSISTANT
7. TPN infusion on Pause. Open the incubator door and clamp the long line.
8. When required, open a chlorhexidine or alcohol 70% swab for the sterile operator.

STERILE OPERATOR
9. Place a sterile towel under the CVC line with assistance.
10. Pick up the line (infant end) using a sterile piece of gauze and whilst holding the PICC line near the bung allow the assistant to disconnect the old line taking care not to compromise asepsis.
11. With the other hand, swab the now exposed bung of the multi-extension set, allow 30 seconds for drying then attach the new giving set to the long line.

COMMENCING THE NEW INFUSION (ASSISTANT)
12. Insert the new giving set into the pump, recommence infusion, ensure the CVC and giving set are unclamped.
13. Place a sticker with the next line change date on the new giving set.
14. Sign the parenteral nutrition order and document giving set change on the observation chart.

LIPID INFUSION
15. Attach the lipids to the multi-extension set using an aseptic non-touch technique after swabbing the closed port. Use opaque (orange) line.