



**CLINICAL GUIDELINE**

**Central Vascular Access: Giving Set Changes**

|                       |                              |
|-----------------------|------------------------------|
| <b>Scope (Staff):</b> | Nursing and Medical Staff    |
| <b>Scope (Area):</b>  | NICU KEMH, NICU PCH, NETS WA |

This document should be read in conjunction with this [DISCLAIMER](#)

Changing giving sets for central venous and arterial lines is a **2 person** aseptic technique.  
Line changes frequency for -

- CIVAS prepared infusions is 96 hours unless otherwise indicated by the stability of fluid/drug being infused or the expiry of CIVAS prepared fluids.
- Lipid infusions, giving set is changed every 24hours.
- Infusions prepared on the ward or additives added on the ward, giving sets are changed every 24 hours.
- Giving sets are to be changed more frequently if contaminated or accidental disconnection occurs.

**Equipment for Giving set/ Fluid Changes**


- Trolley
- Sterile gloves and dressing pack
- Appropriate giving set (check expiry date)
- 2% Chlorhexidine and 70% alcohol swabs
- Checked fluids

**Procedure**

Check patient ID with fluid order.


|    | <b>Assistant</b>  | <b>Operator</b>   |
|----|---|---|
| 1. | Hand hygiene  | Hand hygiene  |
| 2. | Open dressing pack<br>Place sterile gloves on a separate clean surface  | Don sterile gloves  |
| 3. | Open giving set/s and 2% chlorhexidine swabs onto sterile field.<br>Hold bag or syringe for operator to spike or attach giving set. | Prepare giving set.<br><br>Attach giving set to bag or syringe.<br>Take care not to contaminate gloves. |

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|-----|---|---|
| 4.  | Allow fluid through giving set to prime.<br>Ensure line is clamped.   |   |
| 5.  | Put infusion pump on pause.<br>Open incubator door.<br>Clamp current giving set.  |   |
| 6.  | Lift up giving set, take care not to place old giving set on sterile towel.   | Place sterile towel under the giving set.<br>Place end of new giving set on sterile towel.  |
| 7.  | Disconnect line when directed to by operator.   | Pick up the line (infant end) with opened out 2% chlorhexidine 70% alcohol swab and whilst holding the line near the bung allow the assistant to disconnect the old line taking care not to compromise key parts. |
| 8.  |   | When disconnected scrub the exposed bung site for 30 seconds.<br>Allow at least 30 seconds for drying.  |
| 9.  |   | Attach the new giving set.  |
| 10. | Insert the new giving set into the pump, recommence infusion, ensure the line and giving set are unclamped.                     |   |
| 11. | Perform hand hygiene  | Perform hand hygiene.   |
| 12. | Documentation: sign fluid orders, document line change on MR489.<br>Label giving set with appropriate venous or arterial label. |   |
|     |   |   |

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| <b>Related CAHS internal policies, procedures and guidelines</b>   |
| CAHS: Infection Prevention and Control <ul style="list-style-type: none"> <li><a href="#">Aseptic Technique</a></li> </ul> |

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