

PICC – REMOVAL

This Local Operating Procedure is developed to guide safe clinical practice in Newborn Care Centre (NCC) at The Royal Hospital for Women. Individual patient circumstances may mean that practice diverges from this Local Operating Procedure.

Using this document outside the Royal Hospital for Women or its reproduction in whole or part, is subject to acknowledgement that it is the property of NCC and is valid and applicable for use at the time of publication. NCC is not responsible for consequences that may develop from the use of this document outside NCC.

INTRODUCTION

A PICC line is a long catheter inserted into a large vein. The line is used for long-term intravenous nutrition and medication.

1. AIM

- To remove the catheter safely

2. PATIENT

- Newborns

3. STAFF

- Medical and nursing staff

4. EQUIPMENT

- Small sterile plastic drape
- Sterile gloves x1 pair
- Sterile paper towels – x2 packets
- Dressing pack
- Chlorhexidine 0.5% w/v (swabsticks) x 2
- Blue inco-pad
- Blue tray
- Neutral detergent

NOTES:

PICC is to be removed by accredited staff.

DO NOT turn off the infusion pump during the procedure.

5. CLINICAL PRACTICE

Procedure:

1. Check and confirm with medical officer that the PICC is to be removed.
2. Explain the procedure to the parents (if present).
3. Wrap and position the infant in a comfortable posture.
4. Monitor the infant's vital signs.
5. Ensure appropriate respiratory support as required.
6. Administer oral sucrose as required.
7. Insert the infant's limb through an "off-centred" fenestrated blue inco-pad. (Picture 1)
8. Clean blue tray.
9. Collect equipment.
10. Clean the work-surface before putting the blue tray onto work-surface.
11. Open packets of sterile paper towels and sterile gloves on a table near the wash basin.
12. Demonstrates bare below the elbow and performs hand hygiene.
13. Scrub hands and lower arms to elbow for 2 minutes.
14. Dry hands and lower arms with the sterile paper towels.
15. Put sterile gloves on.

PICC – REMOVAL cont'd

16. Request for a nurse to assist with opening up packets of equipment for the procedure.
17. Open dressing pack onto the blue tray.



Picture 1



Picture 2

18. Open remaining packets of equipment onto the blue dressing pack field.
19. Prepare sterile plastic drape – puncture plastic drape with a pair of plastic forceps to create a hole for the PICC limb.
20. Remove chlorhexidine swabsticks from packet.
21. Pour remaining antiseptic solution in packet onto a sterile gauze in the white tray.
22. Squeeze excessive solution from gauze.
23. Unfold gauze and place on non-dominant hand.
24. Hold PICC limb with the hand that has the gauze.
25. Clean with antiseptic swabstick. Repeat. (Picture 2)
26. Put infant's limb through the hole of the plastic drape.
27. Remove the border of steristrips and dressing working from the perimeter toward the insertion site. (Picture 3)



Picture 3



Picture 4



Picture 5

28. Clean the insertion site, catheter and surrounding skin. Repeat. (Picture 4)
29. Use forceps to hold the catheter and pull 1.5cm length away from the insertion site (Picture 5)

PICC – REMOVAL cont'd



Picture 6



Picture 7



Picture 8

30. Re-position forceps on the catheter at the insertion site and pull 1.5cm length away at a time. (Picture 6)
31. Repeat until catheter tip is out of the vein. (Picture 7)
32. Check catheter tip is intact with a second nurse. (Picture 8)
33. Clean the insertion site.
34. Apply compression to site with a piece of dry gauze if bleeding.
35. Apply a small dressing of gauze and secure with op-site if required.
36. Check the site 15 minutes later and remove the dressing.
37. Document time of removal in Observation chart, Central Venous Line Insertion Record, NICUS database and eMR. Enter removal date and time.
38. Remove drapes and discard equipment appropriately.
39. Remove gloves and perform hand hygiene.

6. DOCUMENTATION

- eMR
- Neonatal Observation Chart
- Central Line Surveillance Form
- NICUS database

7. RELATED POLICIES/PROCEDURES/CLINICAL PRACTICE LOP

- Scrubbing, gowning-up and closed gloving for a sterile procedure
- PICC Insertion

8. RISK RATING

- Low

9. NATIONAL STANDARD

- Standard 1 Clinical Governance
- Standard 3 Preventing and Controlling Healthcare-Associated Infection
- Standard 5 Comprehensive Care

10. ABBREVIATIONS AND DEFINITIONS OF TERMS

NCC	Newborn Care Centre	PICC	Percutaneous Intravascular Central Catheter
-----	---------------------	------	---

PICC – REMOVAL cont’d

11. REFERENCES

- NSW Health Policy Directive. PD2019_040. Intravascular Access Devices (IVAD) - Infection Prevention & Control. 16 August 2019.
- NSW Health Safety Notice. 004/14. Removal of Central Venous Access Device (CVAD). 12 August 2014.

12. AUTHOR

Primary	4/11/2005	KB Lindrea (CNC)
Revised	12/1/2010	KB Lindrea (CNC), S Gan (CNS), NCC Policy/Procedure Working Group
	24/9/2014	J Blaeck (CNS)
	28/10/2017	KB Lindrea (CNC)
	14/11/2019	KB Lindrea (CNC)

REVISION & APPROVAL HISTORY

November 2019 Revised and Approved NCC LOPs Committee
 October 2017 Revision
 September 2014 Revision
 January 2010 Revised and Approved NCC Policy/Procedure Working Group
 November 2005 Primary

FOR REVIEW: 2024