



Acacium Group

Central Venous Access Device

(CVAD) Dressing Change

Procedure Reference | SOP TPN 03

Version | V4.0

Procedure Name	Central Venous Access Device (CVAD) Dressing Change
Purpose of Document	To ensure that the correct preparation procedure and outcome are achieved by implementing a constant and systematic approach to effective CVAD dressing change
Target Audience	All appropriately trained Nurses
Version	V4.0
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Last Reviewed	3 yearly or when clinical or operation guidelines change
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Equality Impact Assessment (EIA) Form	Acacium Group is committed to Equality, Diversity and Inclusion and in line with our values, we strive to ensure that everyone that is part of the Acacium community is not disadvantaged or discriminated against given their individual need or characteristics. To support this, an Equality Impact Assessment has been undertaken on this policy/procedure. This information is held centrally and can be requested from the Clinical Governance Team.
About Acacium Group	Details of all Acacium Group trading companies that this policy applies to are detailed within Appendix A

Document History			
Version	Date	Changes made/comments	By whom
V1	Dec 2016	Implementation of document history page	KNF/SJ
V2	Nov 2018	3 Yearly Update	Clinical Advisory Group
V2.1	Nov 2020	Rebrand	CC
V3	Mar 2023	Reviewed and updated	Clinical Advisory Group
V4	Jan 2024	Rebrand	Clinical Advisory Group

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1. Introduction

When a client has a central venous catheter, it is essential at all times it is covered with a sterile dressing. There are several types of dressings that can be used, and this will be documented in the client's care plan. See Appendix B below.

Initially dressing changes may be painful until the sensitive skin around the site has toughened. When changing the dressing it is important to observe the entry site for any redness, oozing or signs that the catheter has moved. If any of these are noticed it is important to act promptly and follow medical advice.

2. Aim

To provide guidance in the effective change of CVAD dressings.

3. Who needs to be aware of this procedure

All Acacium Group nurses who are trained and competent to conduct this procedure.

4. Hazards/complications

- Infection of site
- Line sepsis
- Line displacement

5. Assessment of need

Assessment of care needs should be an ongoing basis and give consideration to the possible hazards/complications above as well as considering infection, overall health and nutritional status.

6. Consent

Please read the Acacium Group Policy on consent thoroughly and ensure valid consent has been gained.

Please now ensure you understand the Consent Policy and Mental Capacity Act in full.

7. Client and relatives/carers involvement

Initially the need for a CVAD may be distressing to the client and the relatives or care workers of the client. Where possible, they should be fully consulted and informed about the care required and involved. It is important to allow family members to feel involved with the care provision.

8. Client Information

Detailed information should be provided on what is required to effectively administer the TPN safely. This should be in documented in the care plan and clients may also have an individual patient information leaflet if required.

9. Equipment

- Cleaning solution as detailed in care plan
- Central Venous line dressing
- Pack of 5 sterile swabs
- Steri-strips
- Dressing pack
- Gloves

10. Procedure

	Action	Rationale
1.	Gather Equipment and place on bottom of the trolley or near the clean work area	To prepare for the procedure
2.	Wash hands with bactericidal soap and water and dry them with a paper towel	To minimise the risk of cross infection
3.	Inspect the insertion site of the device	To detect any signs of inflammation, infiltration, if present take appropriate action
4.	Put on non-sterile gloves or recommendations from local guidelines	To minimise the risk of cross infection
5.	Open the pack of sterile swabs leaving them sitting in the clear part of pack. Open new dressing and steri-strips.	To prepare for the procedure
6.	Pour cleaning solution onto swabs avoiding contamination of swabs from bottle.	To prepare and de-contaminate the skin To prepare for the clean dressing to be applied
7.	Remove old dressing. Inspect the insertion site again for redness, swelling, and leakage of fluid or movement.	To check for signs of infection
8.	Remove gloves and put on clean gloves. Put on non-sterile gloves or recommendations from local guidelines	To minimise the risk of cross infection
9.	Clean skin area around the exit site using an ANTT approach. Lift first swab by corners and fold back. Clean around the exit site starting next to the central venous catheter and working outwards in widening circles. Do this 3 times.	To de-contaminate and cleanse the skin around the entry site of the line To minimise the risk of cross infection
10.	Use the last 2 swabs to clean the line in a downward motion.	To remove any bacteria to prevent it tracking up the line and into the entry site
11.	Allow the chlorhexidine to dry	To sterilise the skin and prevent moisture being trapped under the dressing
12.	Secure the device with products as detailed in care plan.	To secure the CVAD
13.	Place the new dressing over the exit site and ensure that it is secure.	To prevent infection entering the entry site of the CVAD
14.	Secure the central venous catheter and assist the client to re-dress if required.	To prevent displacement of the CVAD

11. Associated Policies / SOPs

Policies

CLIN 03 Medicines Management Policy

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CLIN 06 Consent Policy
CLIN 07 Infection Prevention Policy
CLIN 42 Management of TPN Policy
ORG 03 Health and Safety Policy

SOPs

SOP TPN 01 Connection of TPN
SOP TPN 02 Disconnection of TPN
SOP TPN 04 Heplocking of the Central Venous Access Device (CVAD)
SOP TPN 05 Changing the Bionector

12. References

- Great Ormond Street Hospital for Children Home Parenteral Nutrition Teach Pack - <https://www.gosh.nhs.uk/conditions-and-treatments/procedures-and-treatments/introduction-parenteral-nutrition-home/>
- Nutrition Support in adults NICE Clinical Guideline no. 32 (2006); Updated 2017
- Infection Control: prevention of healthcare-associated infection in primary and community care NICE Clinical Guidelines no. 2 (2003); Updated February 2017
- [Central venous catheter - dressing change: MedlinePlus Medical Encyclopedia](#)

Appendix A: About Acacium Group

Acacium Group consists of a number of trading companies, each providing services within core niche areas of the health and social care industries. Therefore, as this document is a Group Policy, the Policy herein applies to all trading companies detailed below:

 Part of Acacium Group	 Part of Acacium Group
 Part of Acacium Group	 Part of Acacium Group

Appendix B: Dressings and Lines

- Hickmann
- Groshong
- Peripherally-inserted central catheter PICC
- PortaCath
- Broviac
- Central Line