**Central Venous Access Device Care and Management Competency**

**Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Role**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ward**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Starting Date:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Lead Assessor(s):** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Scope:** To be completed by all Registered Nurses, within 6 months of starting on the ward area, following attendance of the Principles of Intravenous Drug Administration Level 2 and 3 study days.

**Theoretical training:** To be delivered online by LEARN.

**Practical training:** To be delivered by Practice Education (PE) team. Please book a session through MLE after completion of-n the theoretical module.

**Assessment:** Assessment will be completed by a suitably trained assessor from the senior (Band 6 or 7) or PE team. However, it is the responsibility of the individual to ensure the completion of this competency within the required timeframe. In areas where the frequency of usage of Central Venous Access Devices (CVADs) is high (e.g ITU/ Pembroke/ etc.), the PE team will be able to provide updates as needed. All other ward area updates will be completed through LEARN and the PE team.

**Competency Document:** All Registered Nurses are expected to achieve application and analyses level, according to Bloom’s Taxonomy (Bloom, 1956). Therefore, the Registered Nurse will be able to explain and demonstrate the correct procedure and rationale for the care and management of a CVAD. Additionally, the Registered Nurse should be able to demonstrate critical analysis and decision-making in regard to complications during the care and management of a CVAD.

Thus, all Registered Nurses must demonstrate **level 5** on each skill (S) and knowledge (K) of the assessment criteria. Furthermore, the Registered Nurse will be able demonstrate safe administration of IV medication (1x bolus, 1x infusion, 1x collection of blood samples and 1x dressing change) through CVADs, as part of their competency assessment. Once all elements are achieved, the final competency sign-off will be given by PE team. One copy must be kept by the Registered Nurse for their professional portfolio and a second copy must be given to the PE team.

References:

* Kennedy, D. (2007). Writing and using learning outcomes: a practical guide. Ireland: University College Cork.
* Grayer, J. et al. (2020). Communication, psychological wellbeing and safeguarding. In S. E. Lister, J. Hofland & H. Grafton (Eds.). The Royal Marsden Manual of Clinical Nursing procedures (10th Ed.). Wiley-Blackwell.

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#  Central Venous Access Device Care and Management Competency

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| 5  | No errors observed  |
| 4  | Occasional errors, corrected by trainee  |
| 3  | Frequent errors, corrected by trainee  |
| 2  | Frequent errors, not corrected by trainee  |
| 1  | Trainee unable to proceed without step-by-step instruction/prompting  |

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| **Method of assessment:** Question and Observation |

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| **Assessment criteria**  | **Tick assessment outcome**  | **Outcome**  | **Assessor (Sign/** **Date)**  |
|   | **S/K**  | **1**  | **2**  | **3**  | **4**  | **5**  | **Pass**  | **Fail**  |
| 1. Is able to describe the three possible placements for a central venous access device (CVAD).  | K  |   |   |   |   |   |   |   |   |
| 2. Can identify 3 reasons for a CVAD.  | K  |   |   |   |   |   |   |   |   |
| 3. Can discuss 3 types of CVAD.  | K  |   |   |   |   |   |   |   |   |
| 4. Can discuss 4 possible complications following insertion of CVAD.  | K  |   |   |   |   |   |   |   |   |
| 5. For each complication identified, discuss the signs and symptoms associated.  | K  |   |   |   |   |   |   |   |   |
| 6. Discusses the correct procedure following detection of the following possible complications: 1. Infection:
2. Air embolism:
3. Haemorrhage:
4. Dislodgement:
5. Unable to aspirate:
 | K  |   |   |   |   |   |   |   |   |
| 7. Demonstrates the principles of Standard ANTT in relation to care of CVAD, whilst administering an IV bolus.  | S  |   |   |   |   |   |   |   |   |
| 8. Demonstrates the principles of Standard ANTT in relation to care of CVAD, whilst administering an IV infusion.  | S  |   |   |   |   |   |   |   |   |
| 9. Demonstrates the correct technique for cleaning and accessing the CVAD ports.  | S  |   |   |   |   |   |   |   |   |
| 10. Demonstrates correct technique in flushing the CVAD, using push-pause and positive pressure techniques.  | S  |   |   |   |   |   |   |   |   |
| 11. Demonstrates the correct procedure for taking blood samples from the CVAD.  | S  |   |   |   |   |   |   |   |   |
| 12. Demonstrates the correct technique for changing the CVAD dressing, using Surgical ANTT | S  |   |   |   |   |   |   |   |   |
| 13. Demonstrates the importance of accurate record keeping and correct documentation in relation to CVAD IV drug administration. | S |  |  |  |  |  |  |  |  |
| 14. Identifies the policy for giving set replacement. | K |  |  |  |  |  |  |  |  |
| 15. Identifies the policy for CVAD replacement. | K |  |  |  |  |  |  |  |  |
| 16. Demonstrates CVAD removal procedure. | S |  |  |  |  |  |  |  |  |
| 17. At all times, ensures patient is fully informed, consents to procedure, dignity respected and given opportunity to ask questions. | S |  |  |  |  |  |  |  |  |
| 18. Discusses the Trust clinical policies that are relevant to the care and management of CVADs (i.e. Central line Policy, Medicines Policy, Blood Transfusion, Infection Control Policy) | K |  |  |  |  |  |  |  |  |

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**Final Competency Sign**

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