

Clinical Practice Process Improvement Tool : Central Venous Catheter (CVC) Insertion

Functional Area: _____ Start Date: _____ Overall Auditors: _____

Module: Central Venous Catheter [CVC] Insertion

Date: _____ Auditors: _____

Standard: Evidence based best practice is being consistently applied to prevent central venous catheter associated infections

Question Set: Central Venous Catheter [CVC] Insertion - Insertion

Observation: 1

	Question	Guidance	Yes	No	N/A	Comment
1	Is surgical hand preparation performed before the procedure? (20, 90)	Observe practice. Moment 2 - before an aseptic task.			<input checked="" type="checkbox"/>	
2	Is a sterile gown worn during the procedure?	Observe practice.			<input checked="" type="checkbox"/>	
3	Are sterile gloves worn during the procedure?	Observe practice.			<input type="checkbox"/>	
4	Is a mask worn during insertion of the CVC procedure?	Observe practice.			<input checked="" type="checkbox"/>	
5	Is a single use paper hat worn during the procedure?	Observe practice.			<input checked="" type="checkbox"/>	
6	Is the CVC which is used single lumen unless otherwise clinically indicated?	Observe practice and check documentation.			<input checked="" type="checkbox"/>	
7	Is the procedure trolley cleaned prior to use?	Observe practice.			<input checked="" type="checkbox"/>	
8	Is the CVC insertion site either subclavian or jugular (unless another site is clinically indicated)?	Check documentation gives rationale for choosing alternative site.			<input checked="" type="checkbox"/>	
9	Is Chlorhexidine 2% in 70% alcohol applied to the insertion site and allowed to dry before insertion?	Observe practice, where there is sensitivity check povidone iodine is used.			<input checked="" type="checkbox"/>	
10	Are disposable sterile drapes used?	Observe a procedure.			<input type="checkbox"/>	
11	Is asepsis maintained throughout the procedure?	Check: Sterile Items are intact. Sterile Packs integrity. Equipment is in date. No unsterile items are touched. Contaminated items are replaced.			<input checked="" type="checkbox"/>	
12	Is blood removed from the skin around the insertion site using Chlorhexidine 2% in alcohol?	Observe practice.			<input checked="" type="checkbox"/>	
13	Is a sterile, semi permeable, transparent dressing placed over the insertion site?	Observe practice or ask a member of staff to describe procedure.			<input checked="" type="checkbox"/>	
14	Is date, time, site and insertion documented and signed by the person inserting the device?	Check documentation.			<input checked="" type="checkbox"/>	

Question Set: Central Venous Catheter [CVC] Insertion - Insertion

Observation: 1

	Question	Guidance	Yes	No	N/A	Comment
15	Are sharps disposed of safely and at the point of use? (20, 81)	Observe practice or ask a member of staff to describe procedure. Also check that clean trays/bins are available and are compatible with the bins in use.				
16	Is hand hygiene performed immediately following removal of personal protective equipment?	Observe practice. Moment 3 - after body fluid exposure.				

Question Set Comments/Recommendations for Central Venous Catheter [CVC] Insertion - Insertion

- 20 Pratt RJ, Pellowe C, Wilson JA, Loveday HP, Harper PJ, Jones SRLJ, McDougall CM, Wilcox MH. (2007) Epic2: National Evidence Based Guidelines for preventing Healthcare-Associated Infection in NHS Hospitals in England. Journal of Hospital Infection. 65 (1) Supplement 1.
- 81 Department of Health (1998) Guidance for Clinical Health Care Workers: Protection Against Infection with Blood-borne Virus Recommendations of the Expert Advisory Group on AIDS and the Advisory Group on Hepatitis
- 90 World Health Organisation (2009) Guidelines on hand hygiene in health care. Geneva, Switzerland: World Health Organisation