



College of Intensive Care Medicine of Australia and New Zealand

Work-Based Competency Assessment: CVC Insertion

This assessment is designed to be used as a learning tool and for assessment purposes. Prior to presenting for assessment the trainee should have developed the knowledge, behaviours and skills necessary for safe management of central venous catheters. This competency can be assessed by a Fellow of the CICM. **To be deemed competent (passing) the trainee will demonstrate adequate or good knowledge and skills in all performance indicators.**

Trainee		
Assessor		
Date		
Result (please circle)	Passed	To be repeated

Trainee signature:.....

Assessor signature:.....

Professional Elements of Practice	Performance Criteria	Improvement required	Acceptable	Good	Comments
Preparation	Describes indications for central venous access				
	Describes contraindications to central venous access at various sites				
	Outlines the factors involved in site selection				
	Examines patient to establish appropriate site of insertion				
	Describes appropriate catheter selection				
	Describes appropriate process of consent				
	Prepares and positions patient appropriately				
	Ensures appropriate monitoring				
	Summarises principles of asepsis and aseptic handling of invasive devices				
	Describes indications for ultrasound guidance				
Procedure	Establishes sterile tray immediately prior to procedure				
	Performs appropriate scrub				
	Dons full sterile barrier attire (surgical hat, mask, gown & gloves)				
	Prepares site with appropriate antiseptic & allows drying time				
	Establishes appropriate sterile barrier including drape				
	Ensures appropriate anaesthesia established				

Professional Elements of Practice	Performance Criteria	Improvement required	Acceptable	Good	Comments
	Prepares needles, guide-wire, dilators, catheter with efficient movement and without compromising sterility				
	Identifies relevant anatomical landmarks and appropriate puncture site				
	Uses ultrasound appropriately when indicated				
	Performs venous puncture efficiently				
	Uses appropriate method to confirm venous puncture (visual assessment, ultrasound, pressure transduction, comparative gas tension measurement)				
	Performs appropriate Seldinger technique and catheter insertion				
	Confirms intra-vascular placement and flushes all lumens				
	Applies appropriate fixation device and dressing				
	Orders and reviews chest x-ray				
	Discusses management of immediate complications (failed insertion, arrhythmia, arterial puncture, bleeding, pneumothorax, ETT puncture)				
	Documents insertion appropriately				
Ongoing Care	Describes appropriate catheter surveillance				
	Explains indications for and technique of removal				
	Explains appropriate technique for accessing catheter (including flushes, preparation of infusions via CVC's)				

Professional Elements of Practice	Performance Criteria	Improvement required	Acceptable	Good	Comments
	Discusses management of late complications (site infection, BSI's, catheter rupture, displacement or erosion, venous thrombosis, septic arthritis etc)				
	Describes role and complications of guide-wire exchange				
	Discusses appropriate unit practice including accreditation of practitioners & audit of complications				

Feedback: