

Appendix 1

Local Safety Standards for Invasive Procedures (LocSSIP)

INVASIVE PROCEDURE SAFETY CHECKLIST: CVC / PICC / Midline Insertion

Patient Identity Sticker:	Patient specialty	
	Indication for central venous access	Venous access / Nutrition / Renal support / CVP measurement Other
	Operator grade:	FY / CT1-3 / ST3-5 / ST5+ / SAS / Consultant / Advanced Practitioner
	Operator experience:	Previous insertions: <10 / 10-50 / 50+
	Operator specialty:	Anaesthesia / ICM / Nephrology / Medicine / Radiology/ EM.Other
	Site	LRI / GH / LGH
	Clinical area	Theatre / ICU / ED resus / radiology / procedure room /Other
	Procedure date:	
	Time:	
	Operator:	
Supervisor:		
Assistant:		
Level of supervision:	ST3+ / SAS / AP/ Consultant	

Signature of assistant completing the form	
Signature of Operator inserting line	

BEFORE THE PROCEDURE		
Appropriate patient consent	Yes	No
Appropriate supervision (if needed)	Yes	n/a
Consider avoiding femoral route	Yes	No
Ultrasound to be used? (recommended with internal jugular insertion)	Yes	No
Is all equipment available?	Yes	No
Hand washed by operator and assistant?	Yes	No
Parenteral nutrition required – single lumen CVC selected? <i>if no document below....</i>	Yes	No

TIME OUT		
Verbal confirmation between team members before start of procedure		
Is position optimal for procedure and to avoid air embolism?	Yes	No
All team members identified and roles assigned?	Yes	No
Agree to call for senior help after 3 unsuccessful attempts to access vein	Yes	No
Correct line ready? (12.5cm RIJ / 16cm LU / 20cm Fem)	Yes	No
Ensure guidewire visible at all times	Yes	No
Any concerns about procedure?	Yes	No
If yes – please document below		

SIGN OUT		
Guidewire removed?	Yes	No
Number of lines opened		
Are all guidewires accounted for?	Yes	No
Blood aspirated from all lumens before flushing with saline	Yes	No
Needle-free connectors to all port sites except CVP measurement line	Yes	No
Secured with non-silk suture or adhesive device	Yes	No
Transparent sterile dressing applied	Yes	No
Chest X-Ray required/ordered	Yes	No
Any adverse events? (Documented in adverse events Log)	Yes	No
MRSA decolonisation prophylaxis prescribed?	Yes	No
Nasal mupirocin 2% TDS and antibacterial bodywash (Stellisept) OD	Yes	No

During the procedure (please circle as appropriate)

Any 'no' circled; notify operator immediately and halt procedure until deviation from best practice corrected

Sterile gloves and gown worn by operator	Yes	No
Hat, mask and eye protection worn by operator	Yes	No
Site sterilised with 2% chlorhexidine in 70% alcohol and allowed to dry	Yes	No
Large sterile drape used	Yes	No
Local anaesthetic or sedation used	Yes	No
Sterile field maintained throughout including sheath and gel for ultrasound probe	Yes	No
Cannula used to access vein	Yes	No
Venous position confirmed with venous pressure or fluoroscopy prior to dilation	Yes	No
Dilator is not inserted fully	Yes	No
Number of attempts (skin puncture with needle)		

Procedure	Catheter type	Insertion site		
Elective	Multi-lumen	Subclavian		
Emergency	Single-lumen	Jugular		
Technique used	Dialysis	Femoral		
Real time U/S	Introducer/Sheath	Right	Left	
U/S assisted landmark	PICC	Guidewire removed?	Yes	
Landmark	Midline			

Complications			
Pneumothorax	Arterial puncture	Malposition	Haemorrhage
Senior help required	Unable to cannulate	Other	None

Complication Actions/Comments: