



HURON PERTH HEALTHCARE ALLIANCE

MEDICAL DIRECTIVE

Medical Directive	Chest X-ray for Peripherally Inserted Central Catheter (PICC) Tip Placement Confirmation
Directive #	MD-PICC-003
Approval	Medical Advisory Committee
Date	March 22, 2018
Signature	<i>Samuel Moore</i>
Review/Revision Date	February 28, 2018
Specific to	PICC Team

Description of Procedure:

Order for Chest X-ray PA to verify Peripherally Inserted Central Catheter (PICC) tip location The vascular access team (PICC RN) will use the BARD Sherlock 3CG ultrasound guidance technology during insertion of the central venous catheter.

Authorized To:

Registered Nurses who have received the theoretical preparation through the RN PICC Insertion Program and who are certified to insert Peripherally Inserted Central Catheters (PICCs) at the bedside within the Huron Perth Healthcare Alliance (HPHA).

Specific Patient Conditions:

- Patient 18 years and older undergoing a bedside PICC insertion at the HPHA in whom the P-wave is absent on the main screen of the ultrasound monitor
- Patient/Substitute Decision Maker consent
- May include but is not limited to patients in atrial fibrillation, atrial flutter, severe tachycardia

Contraindications:

- Patients with a physician order specifying that PICC placement must occur in Diagnostic Imaging or under the supervision of a radiologist
- Patient and/or SDM refusal to procedure
- All pregnant patients must have a physician order for a CXR

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Reasons to seek immediate medical consultation or discontinue procedure/treatment/intervention:

- Change in patient condition which requires additional resources or support
 - Chest pain
 - Significantly abnormal vital signs
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Documentation:

Implementation of the Medical Directive shall include the name and number of the directive, date, time name, signature and credentials of the implementer and name of the attending physician in the order section of the chart.

“Chest X-ray PA/Lateral to verify central line tip placement”

A Medical Directive order that will be scanned to pharmacy and then documented on the Electronic Medication Administration Record (EMAR).

Refusal of any treatment will be documented on the chart and the healthcare provider will be notified.

Quality Assurance

- In the absence of a Medical Program Director within the Medical Outpatient Procedure clinic, Dr. K. Lefebvre will approve the education component of the Medical Directive
 - The RN will have completed an educational component specific to that particular Medical Directive to be eligible to implement the directive
 - The RN will demonstrate competence in the Medical Directive prior to initiating
 - A review will be conducted every two years at a minimum or earlier at the discretion of the Dr. K. Lefebvre to review the appropriateness of the Medical Directive
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Originator	Nursing Practice
Current Review/Revision	
Responsibility	Dr. K. Lefebvre, HPHA Site Chief
Distribution	HPHA Alliance Wide Medical Directives

Reference(s):

Bard Access Systems, Inc. (2012), PICC Placement Instructions for Use with Sherlock 3CG® Tip Confirmation System Sherlock II TLS Procedure

http://www.bardaccess.com/assets/pdfs/ifus/0728446_Placement_3CG_Sherlock_IFU_web.pdf

College of Nurses of Ontario (2011). [*Practice guidelines: Directives.*](#)



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Physician Approval Form

Medical Directive	Chest X-ray for Peripherally Inserted Central Catheter (PICC) Tip Placement Confirmation
Directive #	MD-PICC-003

I, the undersigned physician, have:

- Reviewed the directive to fully understand the conditions under which it will be implemented, including knowing how the staff will be educated to provide this care and how they document or make me aware that the directive has been implemented so I can assume care appropriately, and
- Agree to assume the care of patients who have had an intervention performed as authorized by the directive

Name of Physician (please print)

Signature

Date

Note: The above Medical Directive will be reviewed at the HPHA Medical Advisory Committee meeting March 22, 2018. If agreeable, please sign and return this form to Medical Services, Attn: Lori Hartman (Fax 519-271-7137).