



HURON PERTH HEALTHCARE ALLIANCE
MEDICAL DIRECTIVE

Medical Directive	Local Anaesthesia for Insertion of Central Venous Access Device (CVAD); Peripherally Inserted Central Catheter (PICC)
Directive #	MD-PICC-001
Approval	Medical Advisory Committee
Date	March 22, 2018
Signature	<i>Jane Moore</i>
Review/Revision Date	February 28, 2018
Specific to	CVAD/PICC Team – Medical Outpatient Procedures

Description of Procedure:

1. Perform hand hygiene and apply appropriate Personal Protective Equipment (PPE).
2. 1% Lidocaine (plain) for adult patients only requiring a PICC line insertion
 - a. Locally infiltrate 0.2 – 0.5 mL at the site of PICC line insertion
 - b. Administered subcutaneously as a local infiltration with a small gauge needle (25 – 27 G) with 3/8 to 1/2 inch needle).

Authorized To: PICC Team Registered Nurses who are:

- 1) Possess the knowledge, skill and judgment to establish intravenous access
- 2) Possess the knowledge, skill and judgment to administer subcutaneous injections
- 3) Familiar with the indications and contraindications for administration of the local anaesthetic agent used in the procedure

Specific Patient Conditions:

- Assessed need for vascular access
- Physician order for the administration of intravenous fluids or medications, or the establishment of intravenous access OR PICC line placement
- Patient 18 years of age and older
- Adults who experience panic attacks, anticipatory fear or high anxiety with insertion of intravenous catheters
- There must be no contraindication to delaying intravenous insertion for 45-60 minutes.

Contraindications:

- Patient with known hypersensitivity or allergy to local anaesthetics
 - Broken skin, mucous membranes
 - Lack of consent
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**Reasons to seek immediate medical consultation or discontinue procedure/
treatment/intervention:**

- Allergy to Lidocaine
 - Allergic reaction
 - Unstable vital signs
 - Change in patient condition
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Documentation:

Implementation of the Medical Directive including name and number of the directive, medication name, dose, route, time and frequency, name, signature and credentials of the implementer and name of the attending physician in the order section of the chart.

An order will be written based on the dosage guidelines and will include the explicit dose to be administered, the category of patient age/weight, and the maximum daily dose.

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 in the patient 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	PICC Team, Nursing Practice
Current Review/Revision	
Responsibility	Dr. K. Lefebvre, HPHA Site Chief
Distribution	HPHA Alliance Wide Medical Directives

Reference(s):

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

HPHA Policy. [Central Venous Access Device \(CVAD\) - PICC Line Care and Maintenance](#)

HPHA Policy. Central Venous Access Device (CVAD) – Bedside Peripherally Inserted Central Catheter (PICC) Insertion Via Ultrasound and Micro Introducer.

Infusion Nurses Society (2016). [Learning Centre.](#)

Registered Nurses Association of Ontario (2005). [Nursing Best Practice Guideline: Care and Maintenance to Reduce Vascular Access Complications.](#)

Registered Nurses Association of Ontario (2004). [Nursing Best Practice Guideline: Assessment and Device Selection for Vascular Access.](#)

Weinstein, S. M. and Hagle, M. E. (2014). Plumer's Principles & Practice Of Infusion Therapy (9th Ed.). Philadelphia, PA. Lippincott Williams & Wilkins, a Wolters Kluwer business.



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Physician Approval Form

Medical Directive	Local Anesthesia for Insertion of Central Venous Access Device (CVAD); Peripherally Inserted Central Catheter (PICC)
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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).