



NURSING MANAGEMENT OF INVASIVE DEVICES (CATHETER, LINES AND TUBES)

Revised 9/28/18

Approved by Board of Nursing 09/25/08

Respiratory System - Licensed Practical Nurse (LPN) With Specialized Education and Training

	Initial Insertion	Inhale Oxygen	Instill medication	Position or reposition	Monitor insertion	Perform Dressing	Maintain patency	Regulate O2 flow rate	Collect specimens	Permanently Remove
Upper Airway:										
Naso-oral	yes	yes	N/A	yes	yes	yes	yes	yes	yes	yes
Lower Airway:										
Endotracheal	no	yes	yes (1)	no	yes	yes	yes	yes	yes	no
Laryngeal-Mask-Airway <u>Supraglottic Airway</u>	no	yes	N/A	no	yes	N/A	yes	yes	N/A	yes
Tracheostomy	no (2)	yes	yes	yes (2)	yes	yes	yes	yes	yes	no
Chest Tubes	no	N/A	no (4)	no	yes	yes (3)	N/A	no	no	no
Needle Decompression	no	N/A	N/A	N/A	no	N/A	no	N/A	N/A	no

Footnotes for Respiratory System - Licensed Practical Nurse With Specialized Education and Training:

- 1 LPNs who have completed specialized education and training may perform these functions.
- 2 LPNs who have completed specialized education and training may remove, reinsert or reposition a tracheostomy tube in a patient with a well established stoma.
- 3 LPNs who have completed specialized education and training to "milk" chest tubes per agency policy.
- 4 LPNs may not inject, instill or otherwise administer any medications including thrombolytics into any tube, drain or catheter within the pleural cavity



NURSING MANAGEMENT OF INVASIVE DEVICES IN CONTROLLED SETTINGS (CATHETER, LINES AND TUBES)



Approved by Board of Nursing 09/25/08
Reviewed 3/24/16

Drains- Licensed Practical Nurse (LPN) With Specialized Education and Training

	Insert	Initiate and manage irrigation	Verify Solution	Position or reposition	Monitor insertion site	Perform drgs changes	Maintain patency	Regulate flow rate	Collect specimens/drainage	Manage infusions	Remove
Collapsible drains (e.g., Penrose)	no	yes	yes	yes	yes	yes	yes	N/A	yes	N/A	yes
Rigid drains (e.g., Jackson Pratt, Hemovac)	no	yes	yes	no	yes	yes	yes	N/A	yes	N/A	yes

Footnotes for Integumentary System - Licensed Practical Nurse With Specialized Education and Training:

¹ With special education and training may perform these functions.



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Genitourinary System - Licensed Practical Nurse (LPN) With Specialized Education and Training

	Insert	Initiate infusion	Verify solution	Position or reposition	Monitor insertion site	Perform drgs changes	Maintain patency	Regulate flow rate	Collect specimens/drainage	Manage infusions	Remove
Indwelling	yes	yes (1)	yes	yes	N/A	yes	yes	yes	yes (1)	yes	yes
Suprapubic	no (2)	yes (1)	yes (2)	yes	yes	yes	yes	yes	yes (1)	yes (2)	yes
Nephrostomy	no	N/A	no	yes	yes	N/A	N/A	yes	N/A	no	no
Coude without stylet (3)	yes	yes (1)	yes	yes	N/A	yes	yes	yes	yes (1)	yes	yes

Footnotes for Genitourinary System- Licensed Practical Nurse With Specialized Education and Training:

- 1 LPN's initiating bladder infusion with medications added must complete special education and training.
- 2 May reinsert and remove suprapubic catheters in a well established tract (3 weeks) with an order from a licensed independent practitioner.
- 3 With specialized education and training

Scrivener's Error Corrected 04/12/10
Revised 4/22/11



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Gastrointestinal System- Licensed Practical Nurse (LPN) With Specialized Education and Training

	Initial Insertion	Initiate Infusion	Verify solution	Replace/ Change/ Reposition	Monitor Insertion site	Perform Dressing Changes	Maintain patency	Regulate flow	Collect specimens & drainage	Maintain Infusions	Remove
Upper GI (Above Pylorus)											
Nasogastric Tube with or without Stylets/ weights	yes(1)	yes	yes	yes (1)	yes	yes	yes	yes	yes	yes	yes
Percutaneous Endoscopic Gastrostomy & Gastrostomy Tubes	no	yes	yes	yes (2)	yes	yes	yes	yes	yes	yes	yes (2)
Lower GI (Below Pylorus)											
Nasointestinal Weighted Tubes	no	yes	yes	no	yes	yes	yes	yes	yes	yes	no
Biliary Drainage Tubes	no	N/A	N/A	no	yes	yes	no	N/A	yes	N/A	no
Jejunostomy	no	yes	yes	no	yes	yes	yes	yes	yes	yes	yes (2)

Footnotes for Gastrointestinal System- Licensed Practical Nurse With Specialized Education and Training:

- 1 Tubes with a stylet may be inserted in a controlled setting where X-Ray verification is readily available. Stylets may not be reinserted once the tube is placed in patient.
- 2 LPN's may replace, change, reposition and remove gastrostomy tubes for the purpose of changing tubes through well-established stomas (3-4 weeks old) when ordered by the licensed independent practitioner, UNLESS the tube is sutured in place (see advisory opinion #6). If it is not well established, then tube placement must be confirmed by X-ray. The initial placement of a new PEG and surgically placed gastrostomy tubes may only be performed by the licensed independent practitioner. Surgically placed gastrostomy tubes may only be performed by the licensed independent practitioner.

NOTE: For additional information on gastrointestinal tubes refer to advisory opinions #6.



NURSING MANAGEMENT OF INVASIVE DEVICES IN CONTROLLED SETTINGS (CATHETER, LINES AND TUBES)



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Central Nervous System- Licensed Practical Nurse (LPN) With Specialized Education and Training

	Insert	Inflate infusion	Verify solution	Position or reposition	Monitor insertion site	Perform drsg changes	Maintain patency (flush)	Regulate flow	Take reading	Collect specimens	Maintain infusions	Bolus Meds (50 ml or less)	Remove
Intracranial	no	no	no	no	no	no	no	N/A	no	no	N/A	no	no
Epidural (1)	no	no	yes	no	no	no	no	no	N/A	N/A	no	no	no
Intrathecal/Peripheral Nerve	no	no	yes	no	no	no	no	no	N/A	N/A	no	no	no
Lumbar	no	no	yes	no	no	no	no	no	no	no	no	no	no
Implantable Access Port/Reservoir	no	no	no	no	yes	yes	no	no	N/A	no	no	no	no

Footnotes for Central Nervous System- Licensed Practical Nurse With Specialized Education and Training:

1 May serve as a second verifier for specific solutions.



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Cardiovascular System- Licensed Practical Nurse (LPN) With Specialized Education and Training

Peripheral: (Distal end of the catheter remains peripheral)	Initial insertion	Infiltrate infusion without meds	Infiltrate infusion with meds	Verify solution	Position or reposition	Monitor insertion site	Perform drug changes	Maintain patency (flush)	Regulate flow	Take readings	Collect specimens	Maintain infusions	Administer bolus	Remove	Access/de-access
Venous (1)	yes	yes	yes	yes	yes	yes	yes	yes	yes	N/A	yes	yes	no	yes	N/A
External Jugular (1)	no	yes	yes	yes	no	yes	yes	yes	yes	N/A	yes	yes	no	yes	N/A
Arterial (2)	no	N/A	no	yes	no	yes	yes	yes	yes	yes	no	yes	no	yes	N/A
Central: Peripherally Inserted Central Catheter (PICC) (1)	no	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	no	no	N/A
Central Venous Line (2)	no	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	no	no	N/A
Implanted Catheter with External Port (2)	no	yes	yes	yes	no	yes	yes	yes	yes	N/A	yes	yes	no	no	N/A
Implanted Catheter with Internal Port (2)	no	yes	yes	yes	N/A	yes	yes	yes	yes	N/A	yes	yes	no	no	no
Pulmonary Artery (Swan-Ganz) (2) (AO1)	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A
Umbilical	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A
Intraosseous (1)	no	yes	yes	yes	no	yes	yes	yes	yes	N/A	no	yes	no	no	N/A
Temporary Pacing Wires (Epicardial/transvenous)	no	N/A	N/A	N/A	no	no	no	N/A	N/A	N/A	N/A	N/A	N/A	no	N/A

Footnotes for Cardiovascular System- Licensed Practical Nurse With Specialized Education and Training:

- LPN's must complete an intravenous therapy course relative to the administration of fluids and medications via peripheral and central venous access devices (see Advisory Opinion #9b on the role of LPN's in IV therapy).
 - ~The LPN may not administer blood or blood products, bolus (less than 50 ml) medications, total parenteral nutrition (TPN) or chemotherapeutic agents (unless non-toxic to tissues or non-vesicant).
 - ~The LPN also may not initiate or adjust flow rates on patient-controlled analgesic (PCA) devices. The LPN may discontinue PCA devices.
 - ~The LPN may not mix medications and may not cannulate external jugular veins (see AO #30 for dialysis centers only).
- LPN's must complete specialized education and training relative to arterial and central access lines. A registered nurse must be immediately available for supervision. (this does not apply to PICC lines) (See Advisory Opinions #1, #9b, and #26)