



Approved by Board of Nursing 09/25/08

Reviewed: 07/2022, 7/11/19, 5/15/14. Revised: 5/19/16, 11/29/12, 11/17/11, 10/31/08

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

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

	<i>Insert</i>	<i>Initiate Infusion</i>	<i>Verify Solution</i>	<i>Position or reposition</i>	<i>Monitor insertion site</i>	<i>Perform drsg changes</i>	<i>Maintain patency (flush)</i>	<i>Regulate flow</i>	<i>Take reading</i>	<i>Collect specimens</i>	<i>Maintain infusions</i>	<i>Bolus Meds (50 ml or less)</i>	<i>Remove</i>
Intracranial	N	N	N	N	N	N	N	N/A	N	N	N/A	N	N
Epidural	N	N	Y (1)	N	N	N	N	N	N/A	N/A	N	N	N
Intrathecal	N	N	Y	N	N	N	N	N	N/A	N/A	N	N	N
Peripheral Nerve	N	N	Y	N	N	N	N	N	N/A	N/A	N	N	N
Lumbar	N	N	Y	N	N	N	N	N	N	N	N	N	N
Implantable Access Port/Reservoir	N	N	N	N	Y	Y	N	N	N/A	N	N	N	N

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

1. May serve as second verifier for specific solutions

<b>Key:</b>	N	Not within scope of nurse
	Y	Within scope of nurse
	N/A	Non applicable



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

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

	Initial Insertion	Initiate Infusion w/o meds	Initiate Infusion with meds	Verify Solution	Position or reposition	Monitor Insertion site	Perform Dressing Changes	Maintain Patency	Regulate Flow	Take Readings	Collect Specimens	Maintain Infusions	Administer Bolus	Remove	Access/DeAccess
Venous (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	N/A	Y (1)	Y (1)	N	Y (1)	N/A
External Jugular (1)	N	Y (1)	Y (1)	Y (1)	N	Y (1)	Y (1)	Y (1)	Y (1)	N/A	Y (1)	Y (1)	N	Y (1)	N/A
Arterial (2)	N	N/A	N	Y (2)	N	Y (2)	Y (2)	Y (2)	Y (2)	Y (2)	N	Y (2)	N	Y (2)	N/A
Central: PICC (1)	N	Y (1)	Y (1)	Y	N	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	N	N	N/A
Midline Catheter (1)	N	Y (1)	Y (1)	Y (1)	N	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	N	N	N/A
Central Venous Line (2)	N	Y (2)	Y (2)	Y (2)	N	Y (2)	Y (2)	Y (2)	Y (2)	Y (2)	Y (2)	Y (2)	N	N	N/A
Implanted Catheter with External Port (2)	N	Y (2)	Y (2)	Y (2)	N	Y (2)	Y (2)	Y (2)	Y (2)	N/A	Y (2)	Y (2)	N	N	Y (2)
Implanted Catheter with Internal Port (2)	N	Y (2)	Y (2)	Y (2)	N	Y (2)	Y (2)	Y (2)	Y (2)	N/A	Y (2)	Y (2)	N	N	N
Pulmonary Artery (Swan-Ganz) (2) (AO1)	N	N	N	N	N	N	N	N	N	N/A	N	N	N	N	N/A
Umbilical	N	N	N	N	N	N	N	N	N	N/A	N	N	N	N	N/A
Intraosseous (1)	N	Y (1)	Y (1)	Y (1)	N	Y (1)	Y (1)	Y (1)	Y (1)	N/A	N	Y (1)	N	N	N/A
Temporary Pacing Wires (Epicardial/Transvenous)	N	N/A	N/A	N/A	N	N	N	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A

### Footnotes for Cardiovascular System - Licensed Practical Nurse with Specialized Education and Training

1. 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 Option #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)

2. 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 Options #1, #9b and #26)

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	N/A	Non applicable



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

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

	<i>Initial Insertion</i>	<i>Initiate Oxygen</i>	<i>Instill Medication</i>	<i>Position/Reposition</i>	<i>Monitor Insertion</i>	<i>Perform dressing changes</i>	<i>Maintain Patency</i>	<i>Regulate O2 Flow Rate</i>	<i>Collect Specimens</i>	<i>Permanently Remove</i>
<b>Upper Airway:</b>										
Naso-oral	Y	Y	N/A	Y	Y	N/A	Y	Y	Y	Y
<b>Lower Airway:</b>										
Endotracheal	N	Y	Y (1)	N	Y	Y	Y	Y	Y	N
Supraglottic Airway	N	Y	N/A	N	Y	N/A	Y	Y	N/A	Y
Tracheostomy	N	Y	Y	Y (2)	Y	Y	Y	Y	Y	N
Chest Tubes (see #4)	N	N/A	N	N	Y	Y	Y (3)	N/A	N	N
Needle Decompression	N	N/A	N/A	N/A	N	N/A	N	N/A	N/A	N

### Footnotes for Respiratory System - Licensed Practical Nurse (LPN) 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 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 medication including thrombolytic into any tube, drain or catheter within the pleural cavity

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	N/A	Non applicable



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

### 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 Rate	Collect Specimens & Drainage	Manage Infusions	Remove
<b>Upper GI (Above Pylorus)</b>											
Orogastric/Nasogastric Tube with or without stylet or weights	Y (1)	Y	Y	Y (1)	Y	Y	Y	Y	Y	Y	Y
Percutaneous Endoscopic Gastrostomy Tube/Gastrostomy Tube	N	Y	Y	Y (2)	Y	Y	Y	Y	Y	Y	Y (2)
<b>Lower GI (Below Pylorus)</b>											
Nasointestinal Weighted Tube with or without stylets or weights	N	Y	Y	N	Y	Y	Y	Y	Y	Y	N
Biliary Drainage Tubes	N	N/A	N/A	N	Y	Y	N	N/A	Y	N/A	N
Jejunostomy	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y (2)

### Footnotes for Gastrointestinal System - Licensed Practical Nurse (LPN) with Specialized Education and Training

1. Tubes with a stylet may be inserted in a controlled setting where x-ray verification is readily available. A stylet may not be reinserted once the tube is placed in a patient

2. LPNs may replace, change, reposition and remove tubes for the purpose of changing tubes through well-established stomas (3-4 weeks old) when done by the licensed independent practitioner, UNLESS the tube is sutured in place (see Advisory Option #6). If it is not well established, then tube placement must be confirmed by x-ray. The initial placement of the new PEG and surgically placed gastrostomy tubes must be performed by a licensed independent practitioner.

NOTE: For additional information on gastrointestinal tubes refer to Advisory Option #6

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	Y	Within scope of nurse
	N/A	Non applicable



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

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

	Insertion	Initiate Infusion	Verify Solution	Position/Reposition	Monitor Insertion Site	Perform Dressing Changes	Maintain Patency	Regulate Flow Rate	Collect Specimens & Drainage	Manage Infusions	Remove
Indwelling	Y	Y (1)	Y	Y	Y	N/A	Y	Y	Y	Y (1)	Y
Suprapubic	Y (2)	Y (1)	Y	Y (2)	Y	Y	Y	Y	Y	Y (1)	Y (2)
Nephrostomy	N	N/A	N/A	N	Y	Y	Y	N/A	Y	N/A	N
Coode' without stylet (3)	Y	Y (1)	Y	Y	Y	N/A	Y	Y	Y	Y (1)	Y
Urostomy	N	N/A	N/A	N	Y	N/A	Y	N/A	Y	N/A	N

### Footnotes for Genitourinary System - Licensed Practical Nurse (LPN) with Specialized Education and Training

1. LPNs 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

Scriver's Error Corrected 4/12/10, Revised 4/22/11, 7/1/2019

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	Y	Within scope of nurse
	N/A	Non applicable



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

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

	Insert	Initiate & Manage Irrigation	Verify Solution	Position or reposition	Monitor Insertion site	Perform dressing changes	Maintain patency	Regulate flow rate	Collect specimens/drainage	Manage Infusions	Remove
Collapsible Drain (eg. Penrose)	N	Y	Y	Y	Y	Y	Y	Y	Y	N/A	Y
Rigid Drain (eg. Jackson Pratt, Hemovac)	N	Y	Y	N	Y	Y	Y	N/A	Y	N/A	Y

### Footnotes for Integumentary System - Licensed Practical Nurse (LPN) With Specialized Education and Training

1. With special education and training may perform these functions

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	Y	Within scope of nurse
	N/A	Non applicable