

**Chest Tube Insertion Process: Pre and Post Procedure**

**Related Documents and Resources:**

1. [BD-00-12-40012](#) - Chest Tubes - Chest Drainage Systems: Heimlich Valve
2. [BD-00-12-40013](#) - Chest Tubes: Large Bore - Assisting with Insertion
3. [BD-00-12-40016](#) - Chest Tubes: Thoracic Percutaneous Pigtail Drainage Catheters or Small Bore Chest Tubes - Assisting with Insertion
4. [Appendix A](#): Chest Tube Insertion Algorithm
5. [B-00-16-10001](#) - Chest Tube Insertion: Urgent/Emergent at SPH

**Indication:**

This nursing care standard provides direction for nurses, unit coordinators and physicians of ED, inpatient units, Radiology, MSSU and Bronch suite for the processes associated with the insertion of chest tube.

**IN-PATIENT UNITS**

**(Patients may go to Radiology or Bronch suite)**

**Pre Procedure:**

- Unit Coordinator (UC) or Nurse prints the forms from the AA-Chest Tube Insertion Inpatient Chart Pack
  - Interventional Radiology Requisition Form (PHC-RA 130)
  - PHC-PH572 Chest Tube Insertion Post Procedure In-Patient Orders
  - PHC-NF451 Chest Tube Insertion Checklist ED/Inpatient
  - PHC-NF224 Chest Tube Assessment Flow Sheet
- Most Responsible Physician (MRP) completes the interventional radiology requisition and the Chest Tube Insertion Post Procedure orders (Inpatient) – PHC -PH572
- Most responsible nurse completes the Nursing pre-procedure section of the Chest Tube Insertion Checklist ED/Inpatient (PHC-NF451)
- Porter transports patient with emergency kit to Radiology Department/Bronch Suite

**Post Procedure:**

Radiology/Bronch Suite:

- Completes the bottom portion of the check list (PHC-NF451)
- Informs the receiving unit that the patient is ready for transport (with the unit MRN)
- Calls the porter

## **OPERATIONAL GUIDELINE**

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### **B-00-16-10021 – Chest Tube Insertion**

Inpatient Unit:

- MRN goes to Radiology/Bronch Suite
  - Ensures the bottom portion of the check list is complete
  - Accompanies the patient back to the unit, with the emergency kit and the porter

If chest tube is removed, follow post procedure orders

If chest tube remains insitu and connected to the drainage system, follow post procedure orders and initiate Chest Tube Assessment Flow Sheet (PHC-NF224)

### **EMERGENCY DEPARTMENT (ED)**

#### **Pre Procedure:**

- ED uses emergency procedural sedation package

#### **Post Procedure:**

- For patients that are discharged: ED Physician/Respirologist completes the Post Procedure orders (Outpatient) – PHC -PH570

For patients that are admitted:

- Completes Chest Tube Insertion Post Procedure orders (Inpatient) – PHC -PH572

ED Physician/Respirologist/ED RN:

- Completes the bottom portion of the Chest Tube Insertion Checklist (PHC-NF451) and the expected tasks

ED RN:

- Ensures the bottom portion of the check list is complete
- Accompanies the patient to the receiving unit, with the emergency equipment and accompanied by the porter

## **OPERATIONAL GUIDELINE**

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### **B-00-16-10021 – Chest Tube Insertion**

#### **Persons/Groups Consulted:**

CNL-MSSU

Nurse Educator Emergency Department MSJ

Nurse Educator Medicine MSJ

Nurse Educator Medicine SPH

Nurse Educator; Generalist

Professional Practice Leader Respiratory Therapy

RN Nurse Educator Emergency Department SPH

RN, Bronchoscopy Suite

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#### **Approved By: Professional Practice Standards Committee**

#### **Date of Creation/Review/Revision:**

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Appendix A Chest Tube Insertion Algorithm

