



College of Intensive Care Medicine of Australia and New Zealand

Work-Based Competency Assessment: Pleural Drain Insertion

This assessment is designed to be used as a learning tool and for assessment purposes. Prior to presenting for assessment the trainee should have developed the knowledge, behaviours and skills necessary for safe management of pleural drains. This competency can be assessed by a Fellow of the CICM. To be deemed competent (passing) the trainee will demonstrate adequate or good knowledge and skills in all performance indicators.

| | | |
|-------------------------------|---------------|-----------------------|
| Trainee | | |
| Assessor | | |
| Date | | |
| Result (please circle) | Passed | To be repeated |

Trainee signature:.....

Assessor signature:.....

| Professional Elements of Practice | Performance Indicator | Improvement required | Acceptable | Good | Comments |
|-----------------------------------|---|----------------------|------------|------|----------|
| Preparation | Describes indications for pleural drain insertion | | | | |
| | Describes contraindications to pleural drain insertion | | | | |
| | Describes appropriate process of consent | | | | |
| | Describes appropriate physical environment for insertion | | | | |
| | Describes appropriate catheter selection | | | | |
| | Examines patient to establish appropriate site of insertion | | | | |
| | Prepares and positions patient appropriately | | | | |
| | Ensures appropriate monitoring | | | | |
| | Describes indications for ultrasound guidance | | | | |
| Insertion technique | Establishes sterile tray immediately prior to procedure | | | | |
| | Performs appropriate scrub | | | | |
| | Dons full sterile attire (surgical hat, mask, gown & gloves) | | | | |
| | Prepares site with appropriate antiseptic & allows drying time | | | | |
| | Establishes maximal sterile barrier including appropriate drape | | | | |

| Professional Elements of Practice | Performance Criteria | Improvement required | Acceptable | Good | Comments |
|-----------------------------------|---|----------------------|------------|------|----------|
| | Ensures appropriate anaesthesia established | | | | |
| | Knows safe dose of local anaesthetic | | | | |
| | Prepares equipment with efficient movement and without compromising sterility | | | | |
| | Uses ultrasound appropriately when indicated | | | | |
| | Identifies relevant anatomical landmarks and performs appropriate incision/puncture | | | | |
| | Performs blunt dissection efficiently when required | | | | |
| | Uses appropriate method to identify pleural space and avoid lung injury | | | | |
| | Performs safe drain insertion | | | | |
| | Confirms intra-pleural placement | | | | |
| | Describes and applies appropriate seal and drainage device | | | | |
| | Applies appropriate fixation device and dressing | | | | |
| | Orders and reviews chest x-ray, determines adequacy of drainage, identifies complications | | | | |
| | Discusses management of immediate complications (failed insertion, brady-arrhythmia, vascular, pulmonary, diaphragmatic & cardiac injury) | | | | |
| | Documents insertion appropriately | | | | |

| | | | | | |
|--------------|---|--|--|--|--|
| Ongoing Care | Describes appropriate drain surveillance | | | | |
| | Explains indications for and technique of removal | | | | |
| | Discusses management of late complications (occlusion, site infection, catheter displacement or erosion including broncho-pleural fistula, empyema) | | | | |
| | Describes indications for multiple drains | | | | |
| | Describes indications for & complications of intra-pleural thrombolytics | | | | |
| | Discusses appropriate unit practice including accreditation of practitioners & audit of complications | | | | |

Feedback: