

Chest Drain Insertion Checklist for Critical Care

Aim To provide a reminder of key safety points for chest drain insertion

Scope Chest drain insertion on Critical Care. This is designed as a reminder for practicioners already competent in this procedure.

1. Pre-Procedure Checks

- Patient's identity?
- □ Radiology reviewed?
- Side of procedure?
- ☐ Indication:

Air? Fluid? Trauma?

- Physiologically safe to proceed?
- □ Coagulation profile reviewed?

☐ Ultrasound:

Realtime? Marked anatomical?

□ Drain to be used:

Surgical? Seldinger? Size?

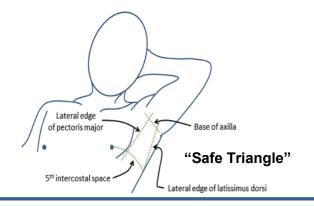
1 Samples required:

White top: Protein & LDH? Cytology?

Culture bottles: MC&S?

2. Time-Out

- Team roles confirmed?
- □ Appropriate sedation & analgesia? Remember local +/- adrenaline
- Appropriate ventilator settings?
- Appropriate positioning?

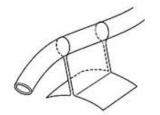


3. Post-Procedure

Drain sutured securely:

2 Mersilk thread with "mesentery" to tubing & secure connections?

- Physiologically stable?
 - Ventilation strategy?
- ☐ Plan for drainage of pleural effusions: eg clamp drain for 1 hour if more than 1000ml drained after first 3000ml.
- □ Plan for chest drain suction/aspiration?
- Post-procedure CXR?
- Notes completed on CIS?
- Flushes prescribed (if required)?



Bioclusive "mesentery" to skin reducing tension on connections



Knots on tubing tight enough to deform tube

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