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## Audit 1

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**1) Audit Title**

**Complication rates and diagnostic adequacy rates for percutaneous CT guided lung biopsy**

**2) Standard against which the audit topic is to be compared**

National targets laid out in British Thoracic Society guidelines published in Thorax in 2003.

**3) Source of standard (or reference document)**

Manhire A, Charig M, Clelland C, *et al* Guidelines for radiologically guided lung biopsy  
*Thorax* 2003;58:920-936.

**4) Type of audit – clinical, patient focussed****5) Target / compliance percentage to be achieved**

Complications:

- ★ Pneumothorax <20%
- ★ Large pneumothorax requiring chest drain insertion <3%
- ★ Haemothorax <5%
- ★ Death <0.15%
- Diagnostic accuracy: >90%

**6) Item or variable to be audited**

Diagnostic yield  
Complications listed above

**7) Method: Retrospective /Prospective /Other**

Retrospective or prospective

**8) Additional data or information to be collected**

Type of lesion (solid, part solid, pure ground glass, cavitating, cystic components)  
Size of lesion  
Pleural depth  
Number of passes  
Fissure crossed (Y/N)  
Needle gauge  
Number of cases per site

**9) Sample details (categories, number of patients, collection time period)**

Data to be collected over 1 calendar year

**10) Target achieved (yes / no / not applicable)****11) Actions to be taken if the target is not met**

Further training. Possibly at a centre with higher volumes +/- specialisation in complex biopsies / additional CT guided thoracic intervention or a centre.

**12) Timing for re-audit (yes / no / not applicable)**

3-year cycle (potentially sooner if concerns in relation to complication rates/diagnostic yield at first audit round)