

Case Study Peggy: Negative CyPath® Lung Result Leads to Additional CT Showing Resolution of Large Nodule and Avoiding Scheduled Biopsy

Patient Information

Age: 70 years old

Sex: Female

Smoking status: 50 pack-year history, current smoker

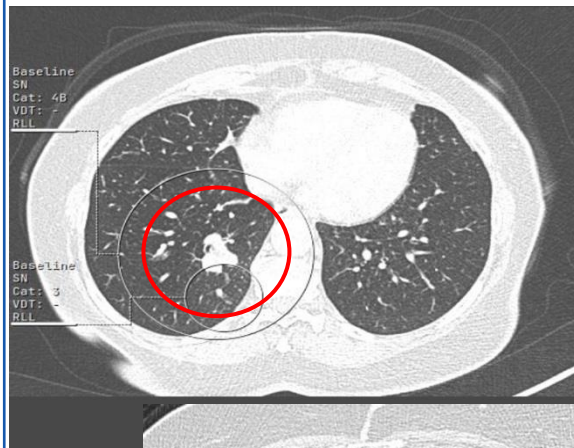
Medical history: High-risk with centrilobular emphysema, increased symptoms of cough, sputum and dyspnea

Diagnostic Dilemma: High-risk patient with suspicious CT/PET scans and elevated predicted risk while clinical acumen indicated low risk

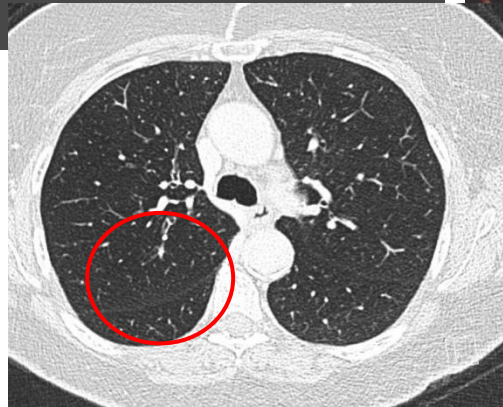
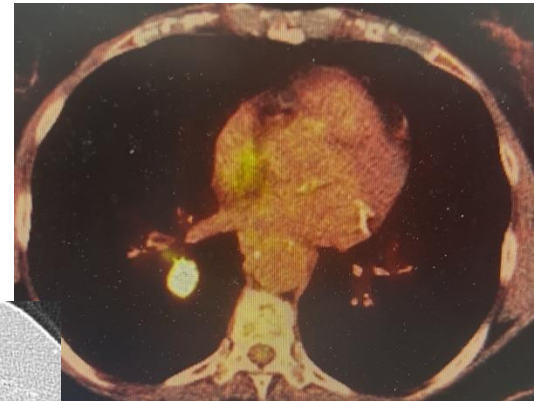
NOTE: Actual patient case, but name has been changed to ensure privacy.

Imaging Results

LDCT: Concerning RLL 3 cm infrahilar process with adenopathy and PET with very high-risk parameters; pulmonary nodule calculators: Mayo 91.3, Herder 91.3, Brock 49.7



08/26/25 CT



01/02/26 CT

Additional Findings/Next Steps

CT follow-up options without CyPath® Lung: Invasive biopsy was scheduled; clinician remained uncertain despite calculators and PET and ordered CyPath® Lung

Outcome with CyPath® Lung

CyPath® Lung: Test result was negative, 0.25, unlikely malignancy in the lung, leading to follow-up CT prior to scheduled invasive procedure

Follow-up 01/02/2026 CT scan: RLL 3 cm nodule resolved

CyPath® Lung result led to CT follow-up prior to biopsy which revealed reversible inflammatory process

PET=positron emission tomography; LDCT=low-dose computed tomography; RLL=right lower lobe.