

Case Study Marge: Negative Test Result Prevents Biopsy of Benign Nodule

Patient Information

Age: 79 years old

Sex: Female

Smoking status: Former 30-pack-year social smoker

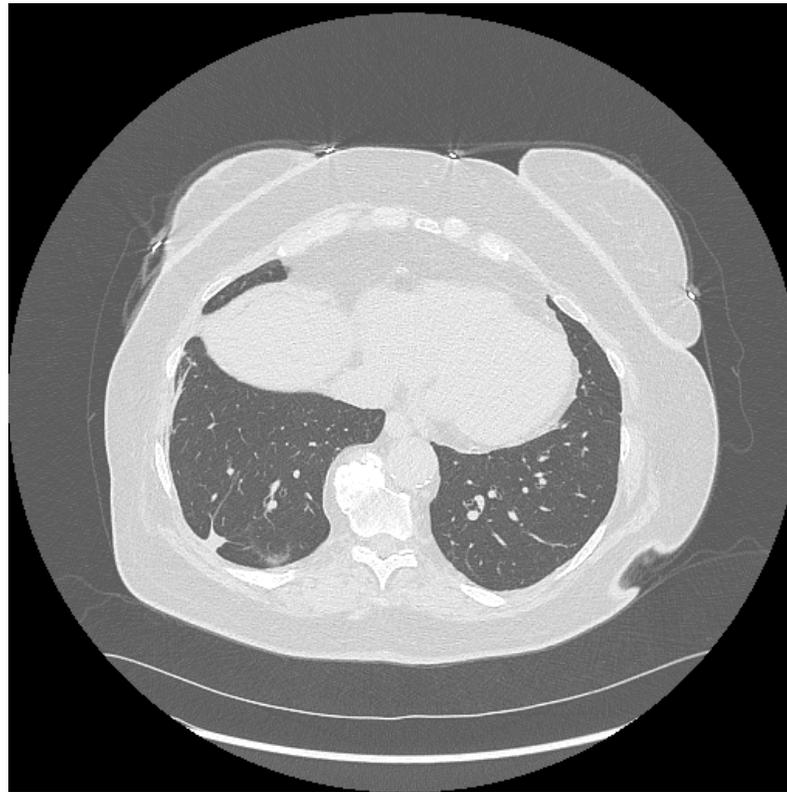
Medical History: High risk with COPD, CAD; empyema right pleura; initial CT 6/18/2025 and repeated 10/02/2025

Diagnostic Dilemma: Pulmonary nodule calculator 39%, MD gestalt benign

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

Imaging Results

Initial LDCT: 6/18/2025 CT scan reveals spiculated pleural parenchymal abnormality measuring 14.9mm at right lung base



Next Steps

CT Follow-Up Options without CyPath® Lung: Patient anxiety, pulmonary nodule calculator uncertainty and possible biopsy

CyPath® Lung: Negative test result, 0.25, unlikely malignancy in the lung

Follow-Up CT 10/2/2025 CT Scan: No discrete pulmonary nodule is seen; the previously noted partially loculated right pleura effusion resolved

Outcome with CyPath® Lung: Patient comfortable with serial annual CT scans as follow-up care

A negative CyPath® Lung result prevented invasive and potentially risky biopsy of benign nodule

CAD=coronary artery disease; LDCT=low-dose computed tomography