

Case Study Bernard: Negative CyPath® Lung Result Supports Serial CTs for 120-Pack-Year Smoker with Multiple Pulmonary Nodules

Patient Information

Age: 59 years old

Sex: Male

Smoking Status: 120-pack-year history, current smoker

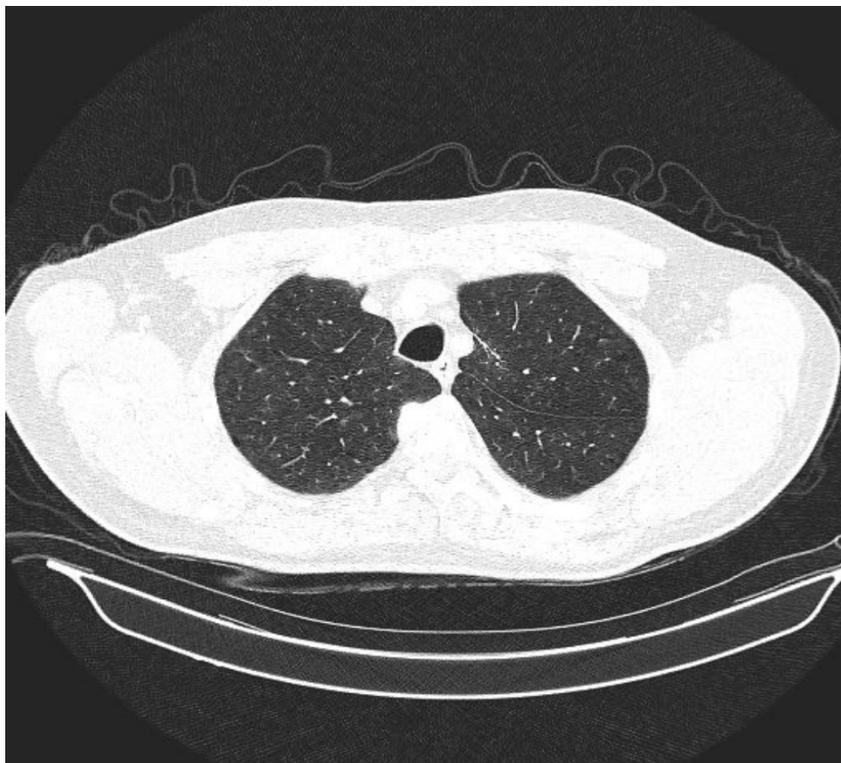
Medical History: High-risk with COPD/emphysema, serial scans from 8/16/2023 thru 12/20/2025

Diagnostic Dilemma: Waxing/waning pulmonary nodules over 30 months

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

Imaging Results

LDCT: Scan 7/21/2025 revealed new LLL scattered and benign-appearing stable multiple pulmonary nodules, measuring between 3–7 mm. Lung-RADS 3.



Additional Findings/Next Steps

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

CyPath® Lung: Negative test result, 0.34, unlikely malignancy in the lung

Follow-Up 12/30/2025 CT Scan: Waxing and waning sub-centimeter nodules appear either resolved or stable

CyPath® Lung result gave physician and patient confidence to proceed with serial 6-month CT schedule, avoiding unnecessary invasive testing

LDCT=low-dose computed tomography; LLL=left lower lobe; Lung-RADS=Lung CT Screening Reporting and Data System