

Case Study Lisa: Positive Test Result Convinces Radiologist to Start Treatment in Patient with Prior Lung Cancer

Patient Information and Initial Workup

- **Age:** 78 years old
- **Sex:** Female
- **Smoking status:** Prior 40-pack-year smoker quit 2015
- **Medical history:** Known end-stage COPD and prior lung cancer (LUL) in 2018; new lesion found 2024

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

Imaging Results

Initial LDCT: Incidental lesion found in RLL

PET Scan: 1.4 cm in lower lobe lesion; SUV 4.6



Additional Findings/Next Steps

- **Follow-up testing options:** Monitor for interval repeat imaging versus high-risk biopsy

Outcome with CyPath® Lung

- **CyPath® Lung:** 11/13/24 test result was positive, likely lung cancer
- Radiation oncologist proceeded with treatment without biopsy
- Lesion stable at 1-year follow-up
- **High Risk patient did not need to undergo invasive procedure prior to treating recurrence of lung cancer**

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