

Case Study Samuel: Positive Test Result Convinces Patient of Need for Biopsy with Positive Finding of Stage 1A Lung Cancer

Patient Information

- **Age:** 68 years old
- **Sex:** Male
- **Smoking status:** Active smoker
- **Malignancy risk:** Lung-RADS Category 4A (suspicious but relatively low risk of malignancy)
- **Medical History:** Coronary artery disease; heme oxygenase-1 (HO-1) prostate cancer; COPD

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

Imaging Results

Initial LDCT: Scan revealed 1.8 cm spiculated lesion in RUL



Additional Findings/Next Steps

- Patient was reluctant to undergo biopsy; preferred “watchful waiting” with serial CTs.

Outcome with CyPath® Lung

- **CyPath® Lung** test result was positive, likely lung cancer
- **CyPath® Lung** positive result convinced patient to undergo biopsy which confirmed a Stage 1A lung cancer

LDCT=low-dose computed tomography; RUL=right upper lobe.