

Pathology Report: AUTOCBCT01^LUNG

Patient Name: AUTOCBCT01^LUNG

Date of Birth: 02/01/1970

Medical Record Number: MRN10000005

Date of Surgery: 03/19/2025

Date of Report: 03/24/2025

Clinical History

Longtime smoker with a peripheral lung nodule identified on CT scan. The lesion is suspicious for primary lung carcinoma.

Specimen

Right upper lobectomy specimen.

Gross Description

The lobectomy specimen measures 12.0 x 9.0 x 4.5 cm. Sectioning reveals a 2.5 cm, firm, tan-white mass in the peripheral parenchyma. The mass is 1.0 cm from the nearest resection margin.

Microscopic Description

Tumor sections show invasive adenocarcinoma with a mixture of acinar and lepidic growth patterns. Moderate nuclear atypia and glandular formation are present. No lymphovascular invasion is identified; resection margins are clear.

Immunohistochemistry

- TTF-1: Positive
- Napsin A: Positive
- Ki-67: 20%

Diagnosis

Right upper lobectomy:

- Invasive adenocarcinoma of the lung
- Tumor size: 2.5 cm
- Margins: Negative
- Pathologic stage: pT1bN0M0

Comments

The patient is recommended for follow-up with oncology for further management. No additional resection appears necessary.

Pathologist: Dr. Robert King, MD

Electronic Signature: Robert King, MD

Date Signed: 03/24/2025