

Pathology Report: AUTOCBCT03^LSPINE

Patient Name: AUTOCBCT03^LSPINE

Date of Birth: 02/03/1970

Medical Record Number: MRN10000007

Date of Surgery: 03/21/2025

Date of Report: 03/26/2025

Clinical History

Female patient with persistent lower back pain and imaging revealing a lumbar vertebral lesion. Clinical suspicion for metastatic disease is raised.

Specimen

Lumbar spine laminectomy and excisional biopsy.

Gross Description

The resected specimen includes a portion of vertebral bone measuring 3.5 x 3.0 x 2.5 cm. A firm, tan-white nodular lesion measuring 2.0 cm is identified within the bone.

Microscopic Description

Sections demonstrate an infiltrative carcinoma with glandular formation. The tumor cells exhibit moderate nuclear atypia and form irregular clusters within a desmoplastic stroma.

Immunohistochemistry

- CK7: Positive
- CK20: Negative
- EMA: Positive
- Ki-67: 25%

Diagnosis

Lumbar spine specimen:

- Metastatic adenocarcinoma, consistent with carcinoma of unknown primary
- Tumor size: 2.0 cm

Comments

Due to the metastatic nature of the lesion, further clinical and radiologic work-up is recommended to identify the primary source.

Pathologist: Dr. Kevin Patel, MD

Electronic Signature: Kevin Patel, MD

Date Signed: 03/26/2025