

**DEPARTMENT OF ANATOMICAL PATHOLOGY**  
**NATIONAL HOSPITAL FOR RESPIRATORY DISEASES (TEACHING)**  
**WELISARA – SRI LANKA**

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**HISTOLOGY REPORT**

**Name** : - Ms. Nirosha Madangani.

**Age** : - 51yrs.

**Sex** : - Female.

**Requesting Dr:** - Dr. D.M.S. Handagala.

**Date Received:** - 06.12.2024

**Ref. No:** - RD1524H/24.

**Hospital:** - NHRD – Welisara.

**Ward:** - 06

**BHT/clinic No:** - 13187/24

**Date Issued:** 11.12.2024.

**Clinical history:-** Bronchial carcinoma.

CECT - Appearances are suggestive of a bronchial carcinoma in the superior segment of the left lung lower lobe with nodal, pulmonary and bony metastasis.

Left side supraclavicular lymph node histology faculty of medicine Kelaniya -

Suggestive of metastatic deposits from lung adenocarcinoma.

FNAC in right lobe thyroid. 18.11. 2024 - Faculty of med Kalaniya -

TIRADS II lesion in right lobe of thyroid malignant smear. Thy 5/Besthesda VI

**Specimen:-** Left lung lower lobe apical segment (S6) bronchial biopsy for histology.

**Macroscopy:-** Received three fragments of tissue each measuring – 03 x 01 x 01 mm.  
(All passed in 01 block).

**Microscopy:-** Sections reveal several crushed and minute bronchial mucosal fragments with an infiltrating carcinoma. The tumor shows vague glands and papillary structures with thin vascular cores. Focally the tumor shows some micropapillae. There is a single fragment which shows acini with possible extracellular mucin. There are scattered Psammoma bodies.

**Immunohistochemistry:-**

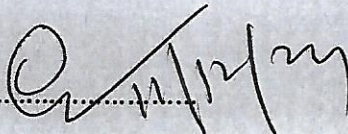
CK 7 – Tumor shows strong cytoplasmic positivity.

TTF 1 – Tumor cells show focal nuclear positivity.

CK 20 – Tumor cells are negative.

**Conclusion:-** Left lung lower lobe apical segment (S6) bronchial biopsy:-

- Findings are compatible with an infiltrating adenocarcinoma with acinar, papillary and micropapillary morphology.
- The immunoprofile favors an adenocarcinoma of primary lung origin.
- If there is a doubt about the primary site of the tumor (? Papillary thyroid carcinoma) suggest Napsin A (Napsin A is currently not available at NHRD Welisara).
- Suggest correlation with radiological and clinical findings.
- Please note that the remaining tissue in the wax block is not sufficient for further studies.

  
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