

Department of Pathology, Faculty of Medicine,  
Ragama.

Report No	: F-128/2024	Date received	: 18/11/2024
Name	: Nirosha Karunarathnae	Word or Clinic	: 42
Age/sex	: 51 yrs F	BHT or Clinic no	: 133810

## Fine Needle Aspiration Cytology Report

**Specimen** : USS guided FNAC of TIRADS II lesion in the right lobe of the thyroid

**Macroscopy** : Received three alcohol-fixed unstained slides for reporting.

**Microscopy** : Three smears are examined. These highly cellular smears show sheets, papillaroid structures and nests of polygonal tumour cells containing moderately pleomorphic, enlarged round nuclei with clumped chromatin and moderate eosinophilic cytoplasm. Nuclear membrane irregularity and intranuclear inclusions are noted. There are scattered tumour cells with markedly pleomorphic, enlarged nuclei and multinucleation. Cells in mitosis are seen. Abundant psammomatous calcifications are noted. The background shows predominantly blood and the colloid is sparse.

**Comment :-**

These cytological features are those of a malignant lesion with papillaroid structures and abundant psammomatous calcifications. The histology of the left side supraclavicular lymph node biopsy (FMK2132/2024) shows metastases of similar morphology to thyroid lesion. Therefore, the most likely possibility is a papillary thyroid carcinoma with high-grade nuclear features with nodal metastasis. However, metastasis from another site, such as the lung, is also a rare possibility. The immunomarkers are in progress to differentiate these. Suggest re-assessment of the radiology of the thyroid lesion and imaging of the lungs and neck.

**Conclusion** : USS guided FNAC of TIRADS II lesion in the right lobe of the thyroid  
Malignant smear- Please see the comment.  
Diagnostic category: Thy 5/ Bethesda VI

  
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**Pathologist:** : Prof. Gayana Mahendra

**Date reported:** : 18/11/2024

**Record No:** : 5195