

Non-invasive follicular thyroid neoplasm with papillary-like nuclear features (NIFTP): Impact on patient Care

Moses W¹, Angie L², Nithya Kandasamy³, Thiagaraj V⁴, Siti Fitri⁵

Department of General Surgery Hospital Keningau, Sabah, Department of Radiology
Hospital Keningau

Introduction:

Non-invasive follicular thyroid neoplasm with papillary like nuclear features (NIFTP) is a new name for a very low risk thyroid tumour previously known as an Encapsulated Non-invasive Follicular Variant Papillary Thyroid Carcinoma. NIFTP present as They are considered to have low risk of adverse outcome such as like recurrence and metastases. Here we present a case of NIFTP and its impact on patient care.

Case presentation

72 years old gentleman with a neck swelling since 2019. He was on our USG surveillance ever since. From 2019 till 2022 we have done 3 FNAC for him in which 2 out of 3 was USG guided FNAC. All the result came out as unsatisfactory. In October 2022 his USG Neck reported as bilateral thyroid nodule in which Right side was categorized as TIRADS 5 and Left side was TIRADS 3 previously the right side was TIRADS 3. CECT neck shows there is a Right thyroid mass at superior pole with no retrosternal extension. Right Hemi-thyroidectomy was performed and HPE was proved to be NIFTP. Patient is on USG surveillance as for now.

Discussion

NIFTP usually present as thyroid nodule. On imaging it usually presents as round - oval well circumscribed mass with solid component. It carries an excellent prognosis and indolent tumour behaviour. The treatment usually are lobectomy with no further ablation therapy.

Conclusion

NIFTP has an excellent prognosis. Follow up using USG neck usually are sufficient for monitoring. It is important that clinician and patient to be aware the indolent feature of NIFTP to prevent any unnecessary treatment.