

Pt. Name:	سفانة محمد عبد الجليل سالم	Lab Number:	5978-2025
Pt. Age:	30 years.	Gender:	Female
Received date:		Reported date:	2025-12-30
Referred By:	د/ سليمان الشميري	Reported date:	2026-01-05

PATHOLOGY REPORT

Clinical Information.	Thyroid enlargement. Ultrasound-guided fine needle aspiration cytology revealed papillary thyroid carcinoma.
Nature of specimen.	Total thyroidectomy.

GROSS:

A total thyroidectomy specimen composed of a right lobe measuring 4x2.5x2 cm, a left lobe measuring 4x1.5x1 cm, and an isthmus measuring 1.5x1 cm. The thyroid capsule is intact. On cut section, the right lobe showed a cystic nodule measuring 3x2x1.8 cm, and the left lobe showed 2 rubbery to firm nodules measuring 1.2x0.8x0.7 cm and 1x0.7x0.7 cm. The remaining thyroid tissue is soft with a multinodular brown appearance.

MICROSCOPIC:

Sections from Lt. Larger nodule show a malignant tumor formed dominantly of follicles with focal papillae lined by malignant epithelial cells that have washed-out nuclei with occasional nuclear grooving. These tumor follicles and papillae are surrounded by fibrosis. There is mild anaplasia and mitosis. The smaller detected nodule in the left lobe shows a benign tumor composed of small follicular formations lined by active follicular cells with a small amount of colloid in the majority of follicles. Separating stroma is delicate and vascular. No evidence of vascular invasion or panmural capsular infiltration. The rest of the thyroid tissue shows nodular colloid hyperplasia with gross cystic change. Two reactive lymph nodes were detected adjacent to the isthmus, negative for metastasis.

Tumor Summary:

- Type & grade: Papillary thyroid carcinoma, low grade.
- Tumor site: Lt. lobe.
- Tumor size: 1.2x0.8x0.7 cm.
- Thyroid capsule: Not infiltrated.
- Lymphovascular invasion: Absent.
- Perineural permeation: Absent.
- Lymph nodes (peri-isthmic): Negative (0/2)
- TNM Stage: pT1N0Mx.
- Associated thyroid disease: Microfollicular adenoma + Nodular colloid hyperplasia with gross cystic change.

DIAGNOSIS:

Total thyroidectomy:

- Papillary thyroid carcinoma.
- Concomitant microfollicular adenoma and nodular colloid hyperplasia with gross cystic change
- Lymph nodes are (0/2) negative for tumor metastasis.

Pathologist

Prof. Dr. Neveen Tahoun, MD, PhD
05-01-2026

Nerveen Tahoun

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