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| Pt. Name: | عبدالله يحيى محمد مداغش | | Lab Number: | 2023-2026 | |
| Pt. Age: | 30 years. | Gender: | Male | Received date: | 2026-04-06 |
| Referred By: | د/ عمر بامشموس | | Reported date: | 2026-04-11 | |

PATHOLOGY REPORT

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| Clinical Information. | The patient presented with huge bilateral cervical lymph nodes extending to the retroclavicular and supraclavicular regions, along with jugular lymph node involvement. |
| Nature of specimen. | Total thyroidectomy with cervical Lymph Nodes dissection. |

GROSS:

Two specimens were received:

1- Designated as thyroid: Total thyroid ex to my specimen received as 2 separate lobes; the first lobe measured 3 X 2 X 1.4 cm and on sectioning revealed a whitish, nodular mass measuring 2.7 X 1.3 cm. The second thyroid lobe measured 3.3 X 3 x 1.5 cm and cut section revealed multiple nodules, the largest of which measured 1.2 X 1 cm.

2- Designated as lymph node dissection: Soft tissue fragments collectively measured 11 X 9.5 X 3.5 cm, largest measured 7 x5 x3. 5 cm; sectioning revealed four nodules, the largest measuring 2.5 X 2 cm. Also received soft tissue fragments collectively measured 6 x 5x2 cm, largest measured 3.5 x2.8 x 2 cm, having rubbery cut section.

MICROSCOPIC:

Specimen 1: Thyroid Gland, Total Thyroidectomy.

- Histologic type: **Papillary thyroid carcinoma.**
- Variant: **Classic with a focal micropapillary component.**
- Tumor focality: **Multifocal.**
- Tumor site: **Involving both lobes.**
- Tumor size (greatest dimension): **2.7 cm.**
- Extrathyroidal extension: **Present (tumor extends outside the thyroid capsule into perithyroidal soft tissue; skeletal muscle is not involved).**
- Lymphovascular invasion (LVI): **Present.**
- Surgical margins: **Negative.**

Specimen 2: Lymph Node Dissection.

- Lymph node status: **Positive for metastatic papillary thyroid carcinoma in eight (8) of eleven (11) lymph nodes examined (8/11).**
- Extranodal extension (ENE): **Present.**

Prognostic Indicators (Grade and Stage):

1- Histologic grade: Not conventionally graded (papillary thyroid carcinoma is considered a well-differentiated malignancy, though the micropapillary component is a moderately aggressive feature).

2- Pathologic stage (pTNM, AJCC 8th edition):

- **pT2:** Primary tumor >2 cm but <4 cm in greatest dimension.
- **pN1:** Regional lymph node metastasis present (8/11 nodes positive).

Overall stage:

- Patient is <55 years old: Stage I (Any T, Any N, M0).

DIAGNOSIS:

Total thyroidectomy and Lymph Nodes Dissection:

- **Papillary thyroid carcinoma, multifocal. Focal micropapillary component present.**
- **Involves both thyroid lobes.**
- **Minor extrathyroidal extension present (extends outside the capsule, with no muscular involvement)**
- **Lymphovascular invasion present.**
- **Margins: Surgical margins negative for carcinoma.**
- **Positive for metastasis in 8 out of 11 nodes (8/11); extranodal extension present.**

Pathologist

**Prof. Dr. Neveen Tahoun, MD, PhD
11-04-2026**

Nerveen Tahoun