

# LABORATORY MEDICINE PROGRAM

UUID: 3D004E6D-7679-4DC6-8F3F-86319814218E  
TCGA-EM-A3SU-01A-PR

Redacted



## Surgical Pathology Consultation Report

### Specimen(s) Received

1. Nck: right neck content; single stitch posterior; double stitch superior;
2. Lymph node: Rt paratracheal nodes
3. Parathyroid: Rt upper parathyroid QS
4. Lymph node: Lt paratracheal node
5. Thyroid: Total thyroid stitch- upper pole right
6. Parathyroid: Rt upper parathyroid #2 QS

ICD-O-3  
carcinoma, papillary, thyroid  
8260/3  
Site: thyroid, NOS  
C73.9 4-312  
40

### Diagnosis

1. Metastatic papillary thyroid carcinoma: Lymph nodes, 2 of 25 (right neck) dissection specimen
2. Metastatic papillary thyroid carcinoma: Lymph node, 1 of 6 (right paratracheal) dissection specimen
3. No pathological diagnosis: Soft tissue (listed as "right upper parathyroid") biopsy
4. No pathological diagnosis: Lymph nodes, 2 (left paratracheal) dissection specimen
5. Multifocal angioinvasive papillary carcinoma, dominant widely-invasive classical variant with focal Warthin-like areas and tall cell change (<5%), 2.1 cm, right lobe; underlying chronic lymphocytic thyroiditis and mild follicular nodular disease: Thyroid  
No pathological diagnosis: Parathyroids, 2, right and left perithyroidal  
- Total thyroidectomy specimen
6. No pathological diagnosis: Parathyroid (right upper) biopsy

### Synoptic Data

Procedure:  
Received:  
Specimen Integrity:  
Specimen Size:

Other: Total thyroidectomy with right neck and bilateral paratracheal dissection  
Fresh  
Intact  
Right lobe:  
6.0 cm  
2.3 cm  
1.4 cm  
Left lobe:  
3.7 cm  
1.7 cm

Criteria	Yes	No
Diagnosis Discrepancy		X
Primary Tumor Site Discrepancy		X
HIPAA Discrepancy		X
Prior Malignancy History		X
Dual/Synchronous Primary Noted		X
Case is (circle):	QUALIFIED	DISQUALIFIED
Reviewed by:	Date Reviewed: 3/30/12	

**Surgical Pathology Consultation Report**

0.8 cm  
Isthmus +/- pyramidal lobe:  
4.0 cm  
0.9 cm  
0.5 cm  
Right neck dissection:  
12.2 cm  
4.5 cm  
1.5 cm  
Additional specimen: right paratracheal dissection  
3.5 cm  
1.7 cm  
1.0 cm  
Specimen Weight: 23.6 g  
Tumor Focality: Multifocal, bilateral  
Multifocal, midline (isthmus)  
----- DOMINANT TUMOR -----  
Tumor Laterality: Right lobe  
Tumor Size: Greatest dimension: 2.1cm  
Additional dimension: 2.0 cm  
Additional dimension: 1.5 cm  
Histologic Type: Papillary carcinoma, classical (usual)  
Papillary carcinoma, other variant: with focal Warthin-like areas (10%) and tall cell change (<5%)  
Classical (papillary) architecture  
Classical cytomorphology  
Histologic Grade: Not applicable  
Margins: Margins uninvolved by carcinoma  
Distance of invasive carcinoma to closest margin: 0.1 mm  
Tumor Capsule: Totally encapsulated  
Tumor Capsular Invasion: Present, extent widely invasive  
Lymph-Vascular Invasion: Indeterminate  
Perineural Invasion: Not identified  
Extrathyroidal Extension: Not identified  
----- SECOND TUMOR -----  
Tumor Laterality: Right lobe  
Tumor Size: Greatest dimension: 1.4cm  
Additional dimensions: 1.3 cm  
Histologic Type: Papillary carcinoma, follicular variant  
Papillary carcinoma, other: with focal tall-cell change (<5%)  
Follicular architecture  
Classical cytomorphology  
Histologic Grade: Not applicable  
Margins: Margins uninvolved by carcinoma  
Distance of invasive carcinoma to closest margin: 0.1 mm  
Tumor Capsule: Partially encapsulated  
Tumor Capsular Invasion: Present, extent widely invasive  
Lymph-Vascular Invasion: Present, focal extent (less than 4 vessels)  
Perineural Invasion: Not identified  
Extrathyroidal Extension: Not identified  
TNM Descriptors: m (multiple primary tumors)  
Primary Tumor (pT): pT2: Tumor more than 2 cm, but not more than 4 cm, limited to thyroid  
Regional Lymph Nodes (pN): pN1b: Metastases to unilateral, bilateral or contralateral cervical or superior mediastinal lymph nodes  
Number of regional lymph nodes examined: 33  
Number of regional lymph nodes involved: 3  
Lymph Node, Extranodal Extension Not identified  
Distant Metastasis (pM): Not applicable  
Additional Pathologic Findings: Adenomatoid nodule(s) or Nodular follicular disease

## Surgical Pathology Consultation Report

Thyroiditis

Parathyroid gland(s), within normal limits

Other: additional papillary microcarcinomas: 0.1 cm (isthmus) and 0.3 cm (left lobe)

\*Pathologic Staging is based on AJCC/UICC TNM, . Edition

Electronically verified by:

### Clinical History

Papillary thyroid carcinoma

### Gross Description

1. The specimen labeled with the patient's name and as "RT neck content: Single stitch posterior colon double stitch superior", consists of a functional right neck dissection oriented with sutures as indicated. The specimen measures 12.2 cm SI x 4.5 cm AP x 1.5 cm in depth. Within the tissue are multiple lymph nodes that range from 0.2 to 1.6 cm. Lymph nodes submitted in toto as they occur from superior to inferior:

- 1A-C multiple lymph nodes, per block
- 1D-E 1 lymph node, multiple pieces
- 1F multiple lymph nodes
- 1G-H 1 lymph node, 3 pieces
- 1I multiple lymph nodes

2. The specimen labeled with the patient's name and as "RT paratracheal nodes" consists of a piece of fibroadipose tissue that measures 3.5 by 1.7 x 1.0 cm. Within the tissue are multiple lymph nodes that range from 0.5 to 1.7 cm.

- 2A multiple lymph nodes
- 2B slice from largest lymph node

3. The specimen labeled with the patient's name and as "RT upper parathyroid QS", consists of a piece of tissue that measures 0.2 x 0.1 x 0.1 cm. It is frozen for intraoperative consultation and submitted in toto.

- 3A frozen tissue resubmitted

4. The specimen labeled with the patient's name and as "LT paratracheal node", consists of a fibroadipose tissue that measures 1.7 x 1.0 x 0.3 cm. Within the tissue at 2 lymph nodes that measure 0.4 and 1.0 cm.

- 4A submitted in toto

5. The specimen labeled with the patient's name and as "Total thyroid stitch-upper pole right lobe" consists of a thyroid gland that is received oriented with a suture and weighs 23.6 g. The right lobe measures 6.0 cm SI x 2.3 cm ML x 1.4 cm AP, the left lobe measures 3.7 cm SI x 1.7 cm ML x 0.8 cm AP and the isthmus measures 4.0 cm SI x 0.9 cm ML x 0.5 cm AP. The external surfaces have fibrous adhesions and are painted with silver nitrate. No parathyroid glands or no lymph nodes are identified grossly. The right lobe contains 2 delineated, encapsulated nodules that measure 1.4 cm SI x 1.3 cm ML x 1.1 cm AP and 2.1 cm SI x 2.0 cm ML x 1.5 cm AP. The remainder of the thyroid tissue is red-brown with possible colloidal nodules. Sections of each of the nodules and normal tissue are stored frozen. Representative sections of the remainder of the specimen are submitted:

- 5A-G right lobe, superior to inferior with small nodule in B and C and large nodule and E-G
- 5H isthmus
- 5I-N left lobe in toto, superior to inferior

6. The specimen labeled with the patient's name and as "RT upper parathyroid #2 QS", consists of a piece of tissue that measures 0.3 x 0.2 x 0.2 cm. It is frozen for intraoperative consultation.

- 6A frozen tissue resubmitted

### Quick Section Diagnosis

3. Right upper parathyroid: Fibroadipose tissue. No evidence of thyroid or parathyroid tissue identified.

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Called at

6. Right upper parathyroid #2: Parathyroid tissue present.

Called at