

## Anat Path Reports

\* Final Report \*

Document Type: Anat Path Reports  
Document Date:  
Document Status: Auth (Verified)  
Document Title: Histology  
Performed By:  
Verified By:  
Encounter info:

ICD 0-3  
Carcinoma, squamous  
cell N65 8070/3  
Site <sup>edge</sup> Tongue N65 C62.9  
<sup>path</sup> Border of Tongue C62.1  
JW 4/11/14

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(Verified)

UUID:0F2D03F8-2B09-450E-B497-84AF78EB4865  
TCGA-QK-A652-01A-PR Redacted



Patient Name:

MRN:

Location:

Client:

Submitting Phys:

DOB:

Gender: M

Head and Neck

Collected:

Received:

Reported:

## Final Surgical Pathology Report

### Final Pathologic Diagnosis

#### A. LATERAL TONGUE, LEFT, PARTIAL GLOSSECTOMY, A1FS:

- KERATINIZING SQUAMOUS CELL CARCINOMA, MODERATELY DIFFERENTIATED (1.5 X 1.4 X 0.9 CM) WITH AN INFILTRATIVE AND DISCONTIGUOUS PATTERN OF GROWTH.
- CARCINOMA INVADES SKELETAL MUSCLE BUNDLES.
- PERINEURAL AND LYMPHOVASCULAR INVASION ARE PRESENT.
- MUCOSAL (SEE PARTS B,C,E,F) AND SOFT TISSUE MARGINS NEGATIVE FOR CARCINOMA.
- SEE SYNOPTIC REPORT.

#### B. TONGUE, MEDIAL (DORSAL), EXCISION, B1FS:

- NEGATIVE FOR HIGH GRADE DYSPLASIA AND INVASIVE CARCINOMA.

#### C. TONGUE, LATERAL, EXCISION, C1FS:

- NEGATIVE FOR HIGH GRADE DYSPLASIA AND INVASIVE CARCINOMA.

#### D. TONGUE, ANTERIOR, EXCISION, D1FS:

- INVASIVE SQUAMOUS CELL CARCINOMA.
- SEE PART F FOR FINAL MARGIN STATUS.

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hw 5/2/13	Yes	No
Discrepancy		
Not Qualified		
Qualified		
Not Reviewed		

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### E. TONGUE, POSTERIOR, EXCISION, E1FS:

- NEGATIVE FOR HIGH GRADE DYSPLASIA AND INVASIVE CARCINOMA.

### F. TONGUE, ANTERIOR, EXCISION, F1FS:

- NEGATIVE FOR HIGH GRADE DYSPLASIA AND INVASIVE CARCINOMA.

### G. LYMPH NODES, LEFT LEVEL I, NECK DISSECTION:

- BENIGN SALIVARY GLAND.
- NINE LYMPH NODES NEGATIVE FOR CARCINOMA (0/9).

### H. LYMPH NODES, LEFT LEVEL II, NECK DISSECTION:

- TWELVE LYMPH NODES NEGATIVE FOR CARCINOMA (0/12).

### I. LYMPH NODES, LEFT LEVEL III, LEFT, NECK DISSECTION:

- ONE OF SEVEN LYMPH NODES POSITIVE FOR METASTATIC CARCINOMA (1/7).
- LARGEST FOCUS OF CARCINOMA MEASURES 1.5MM IN A 9MM LYMPH NODE.
- NO EXTRACAPSULAR SPREAD.

### J. LYMPH NODES, LEFT LEVEL IV, NECK DISSECTION:

- ELEVEN LYMPH NODES NEGATIVE FOR CARCINOMA (0/11).

**Electronically Signed by**

Assisted by:

### Synoptic Worksheet

#### A. Left lateral tongue single stitch - medial:

Clinical History:	No neoadjuvant therapy
Specimen:	Lateral border of tongue
Received:	Fresh
Procedure:	Glossectomy: partial glossectomy, left Neck (lymph node) dissection: Selective, left, level I-IV
Specimen Integrity:	Intact
Specimen Size:	Greatest dimension: 4.2 cm Additional dimension: 2.7 cm Additional dimension: 2.7 cm
Specimen Laterality:	Left
Tumor Site:	Lateral border of tongue
Tumor Focality:	Single focus
Tumor Size:	Greatest dimension: 1.5 cm Additional dimension: 1.4 cm Additional dimension: 0.9 cm
Tumor Thickness (pT1 and pT2 tumors):	

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Tumor Description:	Tumor thickness: 9 mm
Macroscopic Extent of Tumor:	Measured from intact surface mucosa
Histologic Type:	Endophytic
Histologic Grade:	Skeletal muscle bundles
Microscopic Tumor Extension:	Squamous cell carcinoma, conventional
Margins:	G2: Moderately differentiated
	Skeletal muscle bundles
	Margins uninvolved by invasive carcinoma
	Margins uninvolved by carcinoma in situ (includes moderate and severe dysplasia)
Treatment Effect:	Not identified
Lymph-Vascular Invasion:	Present
Perineural Invasion:	Present
Lymph Nodes, Extranodal Extension:	Not identified
Pathologic Staging (pTNM):	
TNM Descriptors:	Not applicable
Primary Tumor (pT):	pT1: Tumor 2 cm or less in greatest dimension
Regional Lymph Nodes (pN):	pN1: Metastasis in a single ipsilateral lymph node, 3 cm or less in greatest dimension
	Number of regional lymph nodes examined: 39
	Number of regional lymph nodes involved: 1
	Size (greatest dimension) of the largest positive lymph node: 0.15 cm
Distant Metastasis (pM):	Not applicable
Additional Pathologic Findings:	Other: Discontiguous spread of tumor

### Clinical History

Tongue lesion. Glossectomy/neck dissection.

### Specimen(s) Received

A: Left lateral tongue single stitch - medial  
B: Medial margin  
C: Lateral margin  
D: Anterior margin  
E: Posterior margin  
F: Anterior margin #2  
G: Left neck level 1  
H: Left neck level 2  
I: Left neck level 3  
J: Left neck level 4

### Gross Description

Specimen A is received fresh for intraoperative consultation in a container labeled with the patient's name, medical record number and designated "left lateral tongue." Received is an oriented portion of tongue measuring 4.2 x 2.7 x 2.7 cm. Single stitch medial/dorsal tongue. There is a mucosal surface measuring 2.5 x 2.4 cm. On the mucosal surface there is an ulcer measuring 1.2 x 0.7 cm.

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Underlying the ulcerative lesion there is a white firm mass measuring 1.5 x 1.4 cm and 0.9 cm deep. The mass is located approximately 1.1 cm from the deep margin, 0.5 cm from anterior, and 1.5 cm from the posterior margin. The remainder of the parenchyma has focal areas of hemorrhage. The specimen is submitted for Tumor Banking. The specimen is inked as follows: anterior, orange; posterior, green; medial, blue; lateral, yellow and deep, black. Representative sections are submitted as stated below. (Dictated by Dr

Specimen B is received fresh for intraoperative consultation in a container labeled with the patient's name, medical record number and designated "medial margin." Received is a portion of tissue measuring 4.7 x 0.6 x 0.4 cm. The specimen is submitted entirely for frozen section as "B1FS." (Dictated by Dr.

Specimen C is received fresh for intraoperative consultation in a container labeled with the patient's name, medical record number and designated "lateral margin." Received is a portion of tissue measuring 3.5 x 0.3 x 0.2 cm. The specimen is submitted entirely for frozen section in cassette "C1FS." (Dictated by Dr.

Specimen D is received fresh for intraoperative consultation in a container labeled with the patient's name, medical record number and designated "anterior margin." Received is a portion of tissue measuring 1.7 x 0.7 cm and being 0.9 cm deep. The specimen is bisected and submitted entirely as "D1FS." (Dictated by Dr.

Specimen E is received fresh for intraoperative consultation in a container labeled with the patient's name, medical record number and designated "posterior margin." Received is a portion of soft tissue measuring 1.5 x 0.4 x 0.3 cm. The specimen is submitted entirely for frozen section as "E1FS." (Dictated by Dr.

Specimen F is received fresh for intraoperative consultation in a container labeled with the patient's name, medical record number and designated "anterior margin #2." Received is a portion of tissue measuring 3.8 x 0.7 x 0.5 cm. The specimen is submitted entirely for frozen section as "F1FS." (Dictated by Dr.

Specimen G is received in fixative in a container labeled with the patient's name, medical record number and designated "left neck, level 1." Received is a portion of fibroadipose tissue measuring 4.9 x 4.2 x 2.4 cm. Salivary gland is unremarkable. Ten possible lymph nodes are identified ranging from 0.2 to 1.0 cm in greatest dimension. Representative sections are submitted as stated below. (Dictated by Dr.

Specimen H is received in fixative in a container labeled with the patient's name, medical record number and designated "left neck, level 2." Received is a portion of soft tissue measuring 4.2 x 3.1 x 2.0 cm. Thirteen possible lymph nodes are identified ranging from 0.2 to 2.5 cm in greatest dimension. Representative sections are submitted as stated below. (Dictated by Dr.

Specimen I is received in fixative in a container labeled with the patient's name, medical record number and designated "left neck, level 3." Received is a portion of fibrofatty tissue measuring 3.6 x 2.3 x 0.9 cm. Five possible lymph nodes are identified ranging from 0.3 to 1.3 cm in greatest dimension. Representative sections are submitted as stated below. (Dictated by Dr.

Specimen J is received in fixative in a container labeled with the patient's name, medical record number and designated "left neck, level 4." Received is a portion of fibroadipose tissue measuring 4.4 x 2.8 x 2.1 cm. Thirteen possible lymph nodes are identified ranging from 0.2 to 1.8 cm. Representative sections are submitted as stated below. (Dictated by Dr.

### CASSETTE SUMMARY:

A1FS:	Shaved of deep margin
A2-4:	Remainder of mass
A5-8:	Remainder of mucosa and underlying parenchyma
G1:	Representative section of salivary gland

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G2: Three possible lymph nodes  
G3: Four possible lymph nodes  
G4: Three possible lymph nodes  
H1,2: One lymph node, bisected  
H3: Two lymph nodes, one bisected and inked blue  
H4: Two possible lymph nodes  
H5: Four possible lymph nodes  
H6: Four possible lymph nodes  
I1: Two possible lymph nodes  
I2: Three possible lymph nodes  
J1: Two possible lymph nodes  
J2: Three possible lymph nodes  
J3: Two possible lymph nodes  
J4: Three possible lymph nodes  
J5: Three possible lymph nodes

### **Intraoperative Consult Diagnosis**

A1FS: SHAVE OF DEEP MARGIN, (FROZEN SECTION): NEGATIVE FOR INVASIVE CARCINOMA.  
Frozen section results were communicated to the surgical team and were repeated back by Dr.

B1FS: MEDIAL (DORSAL) MARGIN SHAVE, (FROZEN SECTION): NEGATIVE FOR CARCINOMA.

C1FS: LATERAL MARGIN SHAVE, (FROZEN SECTION): NEGATIVE FOR CARCINOMA.

D1FS: ANTERIOR MARGIN SHAVE (FROZEN SECTION): INVASIVE SQUAMOUS CELL CARCINOMA/POSITIVE

E1FS: POSTERIOR MARGIN SHAVE, (FROZEN SECTION): NEGATIVE FOR CARCINOMA.

Frozen section results were communicated to the surgical team and were repeated back by Dr.

F1FS: ANTERIOR MARGIN #2, (FROZEN SECTION): NEGATIVE FOR CARCINOMA.

Frozen section results were communicated to the surgical team and were repeated back by Dr.

Pathologist:

### **Microscopic Description**

Microscopic examination performed.