

UUID:C9C95AC5-22B2-4C6C-A1C0-9D5F920AFB72  
TCGA-FR-A3R1-01A-PR

Redacted



Criteria	Yes	No
Malignancy Discrepancy		X
Primary Tumor Site Discrepancy		X
HPAA Discrepancy		X
Prior Malignancy History		X
New/Synchronous Primary Noted		
Assay (circle):	QUALIFIED /	DISQUALIFIED
Reviewer Initials:	WSP 3/21/17	
Date Reviewed:	3/21/17	

Diagnosis:

A: Sentinel lymph node #1, right axilla, removal  
-No evidence of melanoma in 1 sentinel lymph node (0/1)  
-Melan A and S100 protein immunostains and levels are negative in all four blocks

B: Sentinel lymph node #2, right axilla, removal  
-No evidence of melanoma in 1 sentinel lymph node (0/1)  
-Melan A and S100 protein immunostains and levels are negative in both blocks

C: Sentinel lymph node #3, right axilla, removal  
-No evidence of melanoma in 1 sentinel lymph node (0/1)  
-Melan A and S100 protein immunostains and levels are negative

D: Skin, right arm, wide excision

Histologic type: Nodular melanoma

Breslow depth: 63 mm (6.3 cm) - this thickness is substantially thicker than the initial biopsy

Ulceration: EXTENSIVELY PRESENT

Consumption of the epidermis: present

Margins: all margins are widely free

Clark level: V

Vertical growth phase: present

Mitoses: 3.75 per square mm

Tumor infiltrating lymphocytes: present, focally brisk

Regression: not identified

Lymphovascular space invasion: not identified

Satellite nodule: not identified

Perineural invasion: not identified

Coexisting nevus: not identified

Pigmentation: present, minimal

Solar elastosis: present, mild

Other features: necrosis is also present

AJCC Staging

pT4b

pN0

pMx

ICD-O-3

Melanoma, nodular

8721/3

site: Skin, arm

C44.4

3-21-12 RD

This staging information is based on this pathologic specimen and may be incomplete. A comprehensive review of all available

information is recommended to determine final staging.

Comment:

The frozen section diagnosis is confirmed.

Intraoperative Consult Diagnosis:

Frozen section was requested.

FSA1: Right axillary lymph node, biopsy

- No neoplasm identified

Clinical History:

-year-old with right arm melanoma.

Gross Description:

Received are four formalin-filled containers. Specimen A is submitted fresh for frozen section.

Container A: Received is a 3.0 x 2.1 x 1.0 cm lymph node.

Representative section is frozen as FSA1. Grossly, this area is suspicious for hemorrhage?, remaining sections are submitted in blocks A2-A4,

Container B is additionally labeled "sentinel lymph node #2."

Received is a brown/tan unoriented soft tissue fragment measuring 1.4 x 0.9 x 0.4 cm. The specimen is serially sectioned and submitted entirely in blocks B1 and B2,

Container C is additionally labeled "sentinel lymph node #3."

Received is a single unoriented 1.2 x 1.1 x 0.7 cm brown/tan soft tissue fragment. The specimen is serially sectioned and submitted entirely in block C1,

Container D is additionally labeled "skin, right arm melanoma, wide excision."

Specimen fixation: formalin

Specimen type: wide excision

Tumor site: right arm

Orientation of the specimen: The specimen is oriented with a short stitch/superior designated as 12 o' clock, and a long stitch lateral designated as 9 o' clock.

Inking: yellow=12 o' clock to 3 o' clock, blue=3 o' clock to 6 o'clock, red=6 o' clock to 9 o' clock, green=9 o' clock to 12 o' clock, deep margin=black except for a central recessed area which is inked orange

Skin ellipse dimensions: 9.7 x 8.9 cm

Tumor size and description: The tumor is 10.5 x 8.7 x 6.3 cm. The tumor overhangs the skin ellipse at 3 o' clock x approximately 2.5 cm. The tumor is exophytic, raised with lobulated borders.

Microscopic pigmentation: There are multiple white/tan nodules ranging in diameter from 0.2 to 0.3 cm towards the posterior aspect of the tumor, and several foci of hemorrhages mainly towards the posterior aspect of the tumor.

Satellite nodules: none identified

Distance of tumor from margins: 1.9 cm at the 12 o' clock, 2.1 cm at 3 o' clock, 2.4 cm at 6 o' clock, and 1.8 cm at 9 o' clock

Digital photograph taken: not taken

Tissue submitted for special investigation: none

Block summary:

D1,D2 - deep en face margin from 12 o' clock to 3 o' clock  
D3,D4 - deep en face margin from 3 o' clock to 6 o' clock  
D5-D7 - deep en face margin from 6 o' clock to 9 o' clock  
D8,D9 - deep en face margin from 9 o' clock to 12 o' clock  
D10-D21- radial perpendicular sections from the biopsy site to corresponding  
clock number margin: D10, 12 o' clock; D11, 1  
o' clock; etc..., D21=11 o' clock  
D22-D25 representative sections from the tumor, abutting the  
orange margin

Light Microscopy:

Light microscopic examination is performed. S100 protein and Melan A immunostains were performed on each sentinel lymph node block and were medically necessary. All are negative for metastatic melanoma. S100 and Melan A were also utilized to evaluate a small area in block D11. These stains are negative thereby arguing against a satellite metastasis.