



OncoDiagnostic Laboratory, Inc.

Diagnostic Cytology, Histology, and Molecular Pathology

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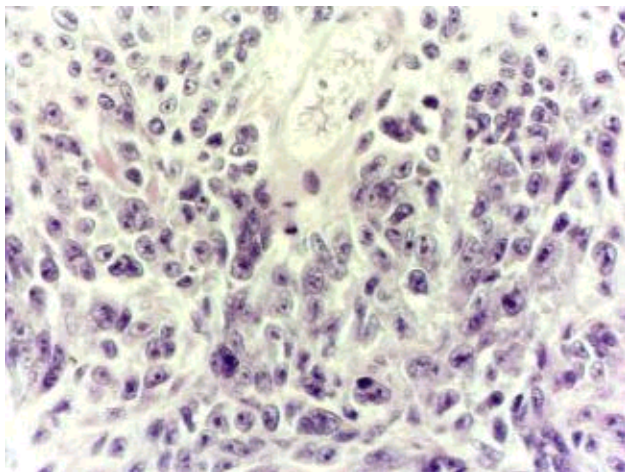
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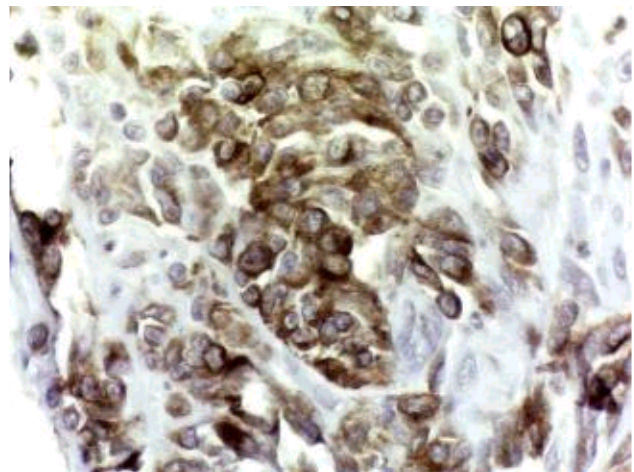
Patient Name: DOE, JOHN
Case Number: S2002-022222
Soc. Sec. No: 111111111
Date of Birth: 07 08 1923
Age: 79
Sex: M
Collection Date: 08 28 2002
Date Received: 08 29 2002

Referring Physician:

Image



Malignant Melanoma (H&E stain) (Mag. x400)



Positive HMB 45 Immuno Stain (Mag. x400)

Diagnosis

TOE, RIGHT 3RD, AMPUTATION:

- **ULCERATED INVASIVE MALIGNANT MELANOMA, AMELANOTIC**
- **TUMOR THICKNESS 4.0 mm (TUMOR SIZE: 15.0 mm LONG x 10.0 mm WIDE x 4.0 mm DEEP).**
- **RESECTION MARGIN: AMPUTATION (RESECTION) LINE IS INVOLVED BY TUMOR.**

YOUNG S. PARK, M.D.
(Signed Out 08 29 2002)

Gross Description

Specimen is received fixed and labeled as right third toe. The specimen consists of a toe without a toenail. The entire specimen measures 2.5 x 1.8 x 1.6 cm. There is an elevated ulcer measuring 1.3 cm long x 1.0 cm wide. The ulcer is located approximately 3.0 mm from the resection margin. Cross section reveals firm, pale, grayish-white homogeneous tissue under the ulcer. Section 1 consists of two longitudinal midline sections of ulcer and underlying tissue. Sections 2 & 3 consist of longitudinal sections parallel to section 1.

Microscopic

Eight H&E and three immunostains for high and low molecular keratin and HMB 45 are examined. The H&E sections reveal extensive invasive malignant epithelial neoplasm composed of spindle to round cells with large hyperchromatic nuclei and prominent nucleoli. Multiple mitoses are seen. The surface of the tumor reveals ulceration and necrotic changes. The depth of invasion is 4.0 mm. The underlying bone is normal. The tumor involves the amputation

Microscopic(continued)

(resection) line. HMB 45 immunostain reveals strong positivity for tumor. High and low molecular keratin immunostains are negative.