

Easy to understand reports facilitate treatment options.



TOPA Diagnostics
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Thousand Oaks, CA 91361
805-373-8582
CLIA Number 05D1022855

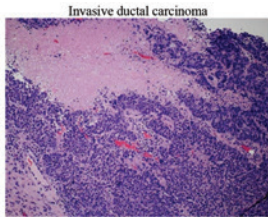
Directors
Wayne M. Schultheis, M.D.
Edward I. Blackman, M.D.
Regina Singson, M.D.
Jianming J. Yin, M.D.
Danielle E. Westfall, M.D.

ADDENDUM SURGICAL PATHOLOGY REPORT

PATIENT: PATIENT, YOUR	PATH #: TP00-00013
D.O.B. 01/01/1946 AGE: 68 yrs SEX: F	DATE COLLECTED: 07/16/2014
PHYSICIAN: Code Doctor, M.D.	DATE RECEIVED: 07/16/2014
COPY TO:	DATE REPORTED: 07/16/2014
LOCATION: Physician Office	

DIAGNOSIS:

- LEFT BREAST, CORE BIOPSY:
- Invasive ductal carcinoma.
 - Tumor grade: Poorly differentiated
 - Nottingham/MBR grade 3/3; score 9/9 (tubules score 3, nuclei score 3, mitotic figures score 3)
 - Tumor involves 5 out of 5 tissue cores/fragments
 - Tumor size in this sample: up to 9 mm
 - Tumor volume is approximately 60% of represented tissue
 - Negative for lymphatic/vascular invasion
 - Breast profile studies will be performed; addendum report to follow
 - Negative for carcinoma in situ.
 - Non-neoplastic breast tissue is unremarkable.



CLINICAL HISTORY: 611.72; left breast 10:00 suspicious mass (CA).

ANATOMIC SITE AND PROCEDURE:

Left breast, core biopsy

GROSS DESCRIPTION:

The specimen is labeled Patient, Your - Lt. 10:00. Received in formalin are five tan soft tissue cores ranging from 0.4 to 1.2 cm in length and averaging 0.3 cm in diameter. TE-1. CM:sg The specimen was excised and immediately placed in 10% neutral buffered formalin at 0945 on July 10. Total formalin fixation time 11 hours 50 minutes.

Pathologist: Regina P.C. Singson, M.D.
Electronically Signed

Our reports use standardized formatting and terminology with color images that make them easy to comprehend and foster patient-physician communication.

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MOLECULAR/GENETIC/THERAPEUTIC ANALYSIS

ION	% NUCLEAR STAINING	INTENSITY OF STAINING
	99% positive nuclei	Strong
	95% positive nuclei	Strong

ION	RESULTS
	<1% of invasive tumor cells exhibit complete membrane staining
	Uniformity of staining: Absent
	Homogeneous, dark circumferential pattern: Absent
	Her-2:Cep 17 ratio: 1.3
	Average Her-2 copy number: 3.4 signals/cell
	>90% nuclear staining
	>90% nuclear staining

performed at NeoGenomics Laboratories. See separate report for technical details.

scoring criteria. For estrogen and progesterone receptors a positive result is defined by complete, intense membrane staining in >10% of tumor cells. A positive (3+) result is defined by circumferential, complete, intense membrane staining in >10% of tumor cells. A (2+) result is defined by circumferential, complete, intense membrane staining in >10% of tumor cells. An (1+) result is defined by incomplete and/or weak/moderate membrane staining in >10% of tumor cells. A (0) result is defined by complete faint membrane staining in >10% of tumor cells and a negative (0) result is defined by no membrane staining in >10% of tumor cells. For P53, a positive result is defined by >10% nuclear staining. A high proliferative index is defined by > or = 10% nuclear staining.

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Optivity detection system.

, ER, Pgr, p53, and Ki-67 were developed and the performance characteristics were determined by GenPro Associates Laboratory. These tests have not been cleared or approved by the

REFERENCES:

- Arch Pathol Lab Med. doi: 10.5858/arpa.2013-0953-SA
- J Clin Oncology 2013; 31 (31): 3997-4013
- Arch Pathol Lab Med 2010; 134:E1-E16
- Arch Pathol Lab Med 2007; 131: 18-43
- Am J Clin Pathol 1995; 104: 42-49



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