DRLOGY PATHOLOGY LAB
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Yash M. Patel
Age : 21 Years
Sex : Male
PID : 555

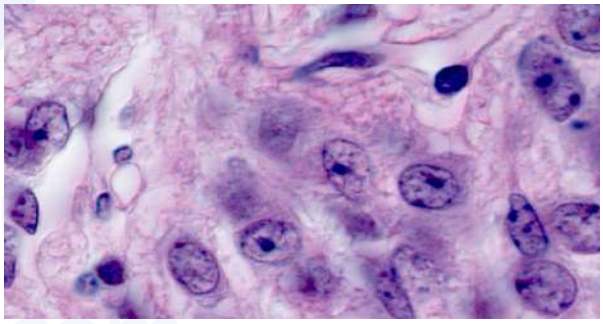
Sample Collected At:
125, Shivam Bungalow, S G Road, Mumbai
Ref. By: **Dr. Hiren Shah**

Registered on: 02:31 PM 02 Dec, 2X
Collected on: 03:11 PM 02 Dec, 2X
Reported on: 04:35 PM 02 Dec, 2X

HER2 (ERBB2) Amplification
Fluorescence in-situ Hybridization (FISH)

Specimen : Formalin fixed paraffin embedded tissue block
Block no. : 3446A/19 (10% Tumor)
Fixation Time : 20:00
Clinical Indication : To rule out Her-2/neu gene amplification
Result : Her2 gene:CEP17 ratio: **5.53**
Interpretation : The tumor cells are **Positive** for HER-2 gene amplification as per ASCO / CAP 2018 guidelines in this specimen.

Cells Counted	30
Total Her2 signals	415
Total CEP17 signals	7S
Her2 signals mean per cell	13.83
CEP17 signals mean per cell	2.5
Her2/neu:CEP17 ratio	5.53



Comment :
Her2 (ERBB2) is an oncogene on the long arm of chromosome 17 that is amplified in approximately 15-20% of Dreast cancers. Overexpression of Her2 has Deen shown to be associated with shorter disease free survival and poorer overall survival in breast cancer. Patients with Her2 gene amplification are candidates for treatment with the drugs that target human epidermal growth factor receptor 2 (Her2) protein& its downstream pathways e.g. Trastuzumab, Pertuzumab.

Uses :
• A predictive marker for patients with both node-positive or node-negative primary & metastatic breast cancer
• Confirming the presence of Her2 amplification in cases with 2+ or 3+ Her2 overexpression by IHC
• For confirmation of aberrant patterns of Her2 expression seen Dy IHC like in cases of Micropapillary carcinoma

***Note:** This is a Laboratory developed test (LDT), developed at Drlogy PathLabs and has not been cleared or approved for specific uses by FDA

Thanks for Reference

****End of Report****

Medical Lab Technician
(DMLT, BMLT)

Dr. Payal Shah
(MD, Pathologist)

Dr. Vimal Shah
(MD, Pathologist)