

- Deep surgical margin (second tumor) – H
- Overlying skin (second tumor)– I
- Second tumor – J to K
- Surrounding breast – L, M
- Ulcerated skin – N, O
- Axillary Lymph Nodes:-
  - Level 1&2 – P to X
  - Level 3 - Y
  - Interpectoral -Z

### Microscopic Examination:

**First Tumor - Invasive Duct Carcinoma, Grade II (MBR Score 2+2+2=6/9) – Right breast**

**DCIS – Present.**

**Pattern – Solid & Cribriform.**

**Nuclear Grade – Intermediate**

**Extensive Intraduct Component –Absent.**

**Lymphatic / Vascular Emboli – Absent.**

**Stromal Desmoplasia – Present.**

**Second Tumor – Intraductal papillomatosis and florid epithelial hyperplasia.**

**Surrounding Breast – Benign breast disease.**

**Nipple / Areola – Unremarkable.**

**Overlying Skin – Free.**

**Deep Surgical Margin – Free.**

**Axillary Lymph Nodes:- Total – 15 nodes, All free (0/15)**

**– Level 1&2 – 0/13 (all free).**

**– Level 3 – 0/2 (both free)**

**– Interpectoral – No lymph node seen**

### Impression:

**Invasive Ductal Carcinoma, pT2 N0**

### For Cancer Registry:

- Primary Site of Tumor - Topography = Right Breast
- Primary Subsite of Tumor - Topography = NA
- Morphology = Invasive Duct carcinoma
- Coding According to ICD 0-3 = 8500/3
- Secondary Site of Tumor = NA
- Morphology of Metastasis = NA

Test Performed at :910 - Max Hospital - Saket M S S H, Press Enclave Road, Mandir Marg, Saket, New Delhi, Delhi 110017

Booking Centre :1103 - Max Hospital Saket(East Block), 1, 2, Press Enclave Marg, Saket Institutional Area, Saket, New Delhi

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**Immunohistochemistry (IHC) Test:**

Her-2 (c-erb B2).

**Immunohistochemistry (IHC) Result:**

Marker	Score	Result
Her-2 (c-erb B2)	0	Negative

**Interpretation:**

Score	Result
0 & 1+	Negative
2+	Weakly Positive*
3+	Strongly Positive

\* Confirmation by FISH is required in weakly positive cases.

**Note:**

- 1) **Detection System:** ultra View Universal DAB Detection kit - VENTANA (IVD).
- 2) **Primary Antibody:-** PATHWAY anti-HER-2 (4B5) Rabbit Monoclonal Primary Antibody - VENTANA (IVD).

\*\* Slides & blocks for second opinion will be issued to the patient/ attendant after 48 hours of submitting a formal request (Time - between 3 pm to 5 pm) (slides are chargeable)

\*\*\* End Of Report \*\*\*

  
DR. ANVITA AGARWAL, MD (PATH)  
Histopathology

**Immunohistochemistry (IHC) Number:**

ER-10571/23, PR-10572/23 &amp; HER2-10573/23 (S-6678/23)

**Specimen Type:**

Right mastectomy specimen

**Immunohistochemistry (IHC) Test:**

- 1) Estrogen Receptor (ER).
- 2) Progesterone Receptor (PR).

**Immunohistochemistry (IHC) Result:**

IHC Marker	Percentage of Positive Nuclei	Proportion Score (PS)	Intensity of Staining	Intensity Score (IS)
Estrogen Receptor (ER)	None	0	None	0
Progesterone Receptor (PR)	None	0	None	0

**Sum of proportion score and intensity Score (Total Score)**

IHC Marker	Allred Score	Result
Estrogen Receptor (ER)	0/8	Negative
Progesterone Receptor (PR)	0/8	Negative

Control	Interpretation
Internal Control	Positive for ER & PR
External Control	Positive for ER & PR

**Comments:**

a) A positive result is based on nuclear staining within the tumor and defined as a total score of > 3 using the Allred Scoring guidelines.

b) **Detection System:** ultra View Universal DAB Detection kit - VENTANA (IVD).

c) **Primary Antibodies:**

ER - CONFIRM anti-Estrogen Receptor (SP1) Rabbit Monoclonal Primary Antibody - VENTANA (IVD).

PR - CONFIRM anti-Progesterone Receptor (1E2) Rabbit Monoclonal Primary Antibody - VENTANA (IVD).

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  - Interpectoral -Z

**Microscopic Examination:**

**First Tumor - Invasive Duct Carcinoma, Grade II (MBR Score 2+2+2=6/9) – Right breast.**

**DCIS – Present.**

**Pattern – Solid & Cribriform.**

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**– Level 1&2 – 0/13 (all free).**

**– Level 3 – 0/2 (both free)**

**– Interpectoral – No lymph node seen**

**Impression:**

**Invasive Ductal Carcinoma, pT2 N0**

**For Cancer Registry:**

- Primary Site of Tumor - Topography = Right Breast

- Primary Subsite of Tumor - Topography = NA

- Morphology = Invasive Duct carcinoma

- Coding According to ICD O-3 = 8500/3

- Secondary Site of Tumor = NA

- Morphology of Metastasis = NA

This performed at 910 - Max Hospital - Saket M S N H, Press Enclave Road, Mayapuri Marg, Saket, New Delhi, Delhi 110017

Booking Centre (1103 - Max Hospital Saket (East Block), 1, 2, Press Enclave Marg, Saket Institutional Area, Saket, New Delhi)

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Histo Onco MRM with IHC\*, Tissue

**Histopathology Number:**  
S-6678/23

**Specimen Type:**

- 1) Right mastectomy specimen
- 2) Level 1 & 2 lymph node
- 3) Level 3 lymph node
- 4) Interpectoral lymph node

**Clinical Data:**

Carcinoma breast

**Gross Description:**

**Mastectomy Specimen:-** Measures 20 x 17 x 6 cm, covered with skin flap measuring 18 x 15.5 cm, with nipple & areola

**Tumor:-** Cut section shows two tumor identified

First tumor (retroareolar) measuring 3.5 x 3.5 x 3 cm with infiltrative margins, situated 1.5 cm from overlying skin and 1.7 cm from the deep surgical margin formed by fascia.

Second tumor (upper outer quadrant) measuring 1 x 1 x 0.8 cm with , situated 2.7 cm from overlying skin, 0.5 cm from the deep surgical margin and 1.5 cm from first tumor

**Nipple:-** Normal

**Overlying Skin:-** Normal

**Surrounding Breast:-** Shows grey white area.

**Skin Flap** shows an ulcerated area measuring 2.5 x 1.8 cm in lower outer quadrant ? which is 4 cm away from first tumor

**Axillary Lymph Nodes:-**

- Level 1&2 – 13 lymph nodes, largest node measures 2.6 x 1.5 x 1.4 cm, retrieved from multiple fibrofatty tissue of 10 x 5 x 1.5 cm size.

- Level 3 – 2 lymph nodes, largest node measures 0.4 cm, retrieved from multiple fibrofatty tissue of 3 x 3 x 0.4 cm size

- Interpectoral- Received multiple fibrofatty tissue pieces altogether measuring 2 x 1 x 0.5 cm, grossly no lymph node identified.

**Sections Submitted for Microscopic Examination:**

Tumor (first tumor) – D to F

Deep surficial margin (first tumor) – B

Overlying skin (first tumor) – C

Nipple areola – A

Parenchyma between first tumor and second tumor – G

Test Performed at : 910 - Max Hospital - Saket M.S.S.H, Press Enclave Road, Mehli Marg, Saket, New Delhi, Delhi 110017

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