Date: 1405/07/25, 2026/10/17

Patient's Name: Z.A.

Responsible Physician: Dr. Omranipour

Patient Presentation:

A 51 Y/O married female with left breast cancer.

• **Imaging:** Sonography showed an 18×24 mm mass; Breast MRI showed a 32×27 mm multifocal mass extending to the nipple.

• **Core Needle Biopsy (CNB):** Invasive Ductal Carcinoma (IDC), Grade 3, ER Negative, PR Negative,

Ki-67 = 30%.

• **Treatment History:** Neoadjuvant chemotherapy.

• **Surgery:** Skin-Sparing Mastectomy (SSM) + Implant and Sentinel Lymph Node Biopsy (SLNB).

• **Final Pathology:** Scattered microscopic foci of IDC up to 1–2 mm with clear margins; 2 sentinel and 2 non-sentinel lymph nodes negative.

Question:

Does she need radiotherapy (RT) or not?

Recommended Plan:

✓ Radiotherapy can be omitted, accepting a low risk of local recurrence.

Breast Diseases Research Center