

**Date: 15/6/99, 5 Sep 2020**

**Patient's Name**

**Responsible physician: Dr Alipour**

**Patient Presentation :**

A 77 year old female with left breast cancer

Mammography: small area of suspicious microcalcification

sonography: no mass, no axillary lymphadenopathy

Stereotactic biopsy : Invasive ductal carcinoma with foci of DCIS, grade II

Immunohistochemistry: ER+ (diffuse and strong), PR + (diffuse and strong),

HER2-, Ki67 5-7%

Surgery: mastectomy+ SLNB (free in frozen section)

Pathology: Invasive ductal carcinoma, grade I, LVI -, PNA - , free margins, free all three sentinel nodes, involved one out of two non-sentinel nodes

**Question:** Does she need further surgery? Regarding the hormone status, does she need chemotherapy? Does she need radiotherapy?

**Recommended plan:** hormone therapy+ radiotherapy

Breast Disease Research Center