

5th Aarhus Workshop in:

Breast Surgery

Department of Plastic and Breast Surgery
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Breast cancer in the young patients

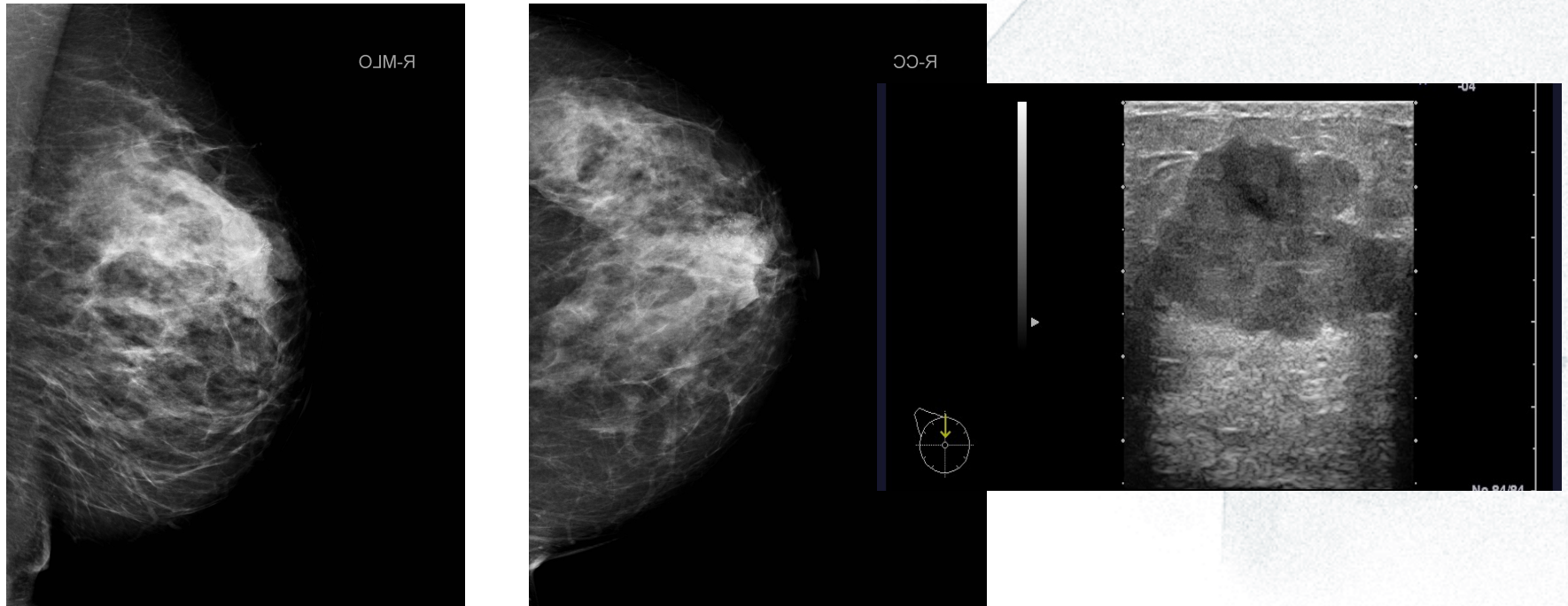
Breast cancer in the young patients Case Story

31 years woman, nulli para.

Palpable mass > 5 cm in the right breast.



Mammogram and Histology - right

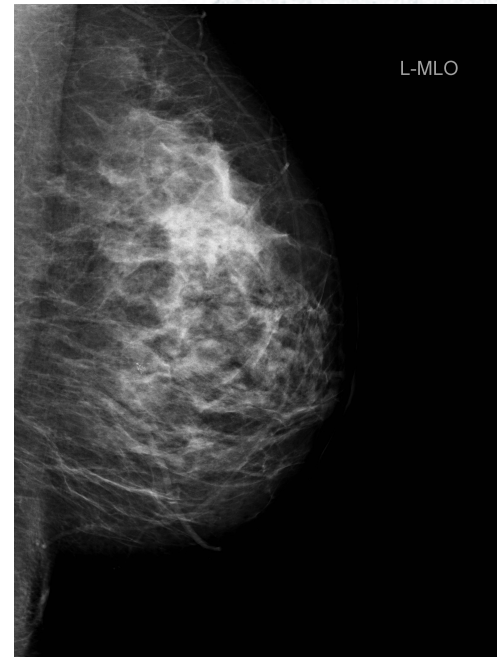
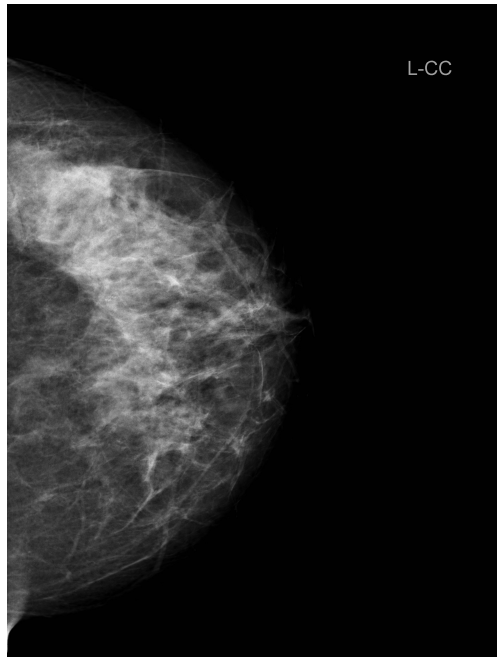


Malignant tumour > 40 mm. No sign of lymph node metastasis

Core needle biopsy:

Poorly differentiated ductal carcinoma, ER positive, Her2 normal.

Mammogram and Histology - left



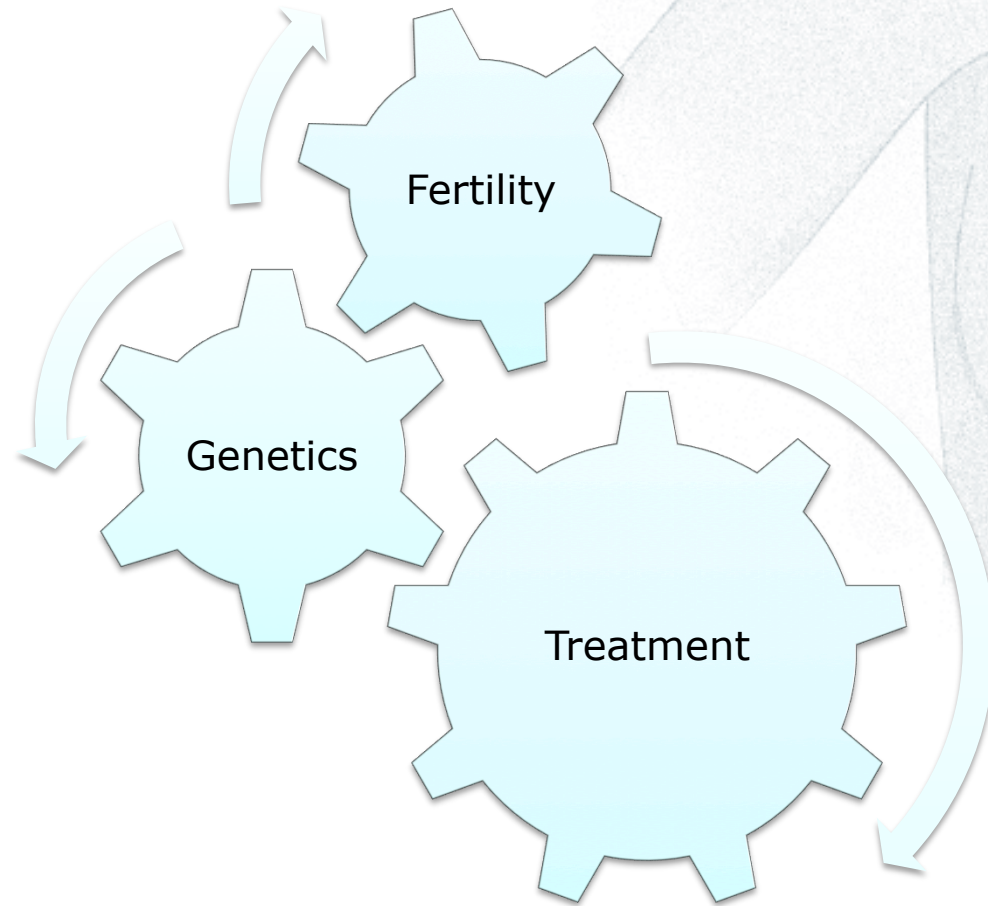
5 mm suspicious microcalcifications.

No sign of lymph node metastasis.

Core needle biopsy:

Mikro invasive focus and DCIS, ER pos, Her2 normal.

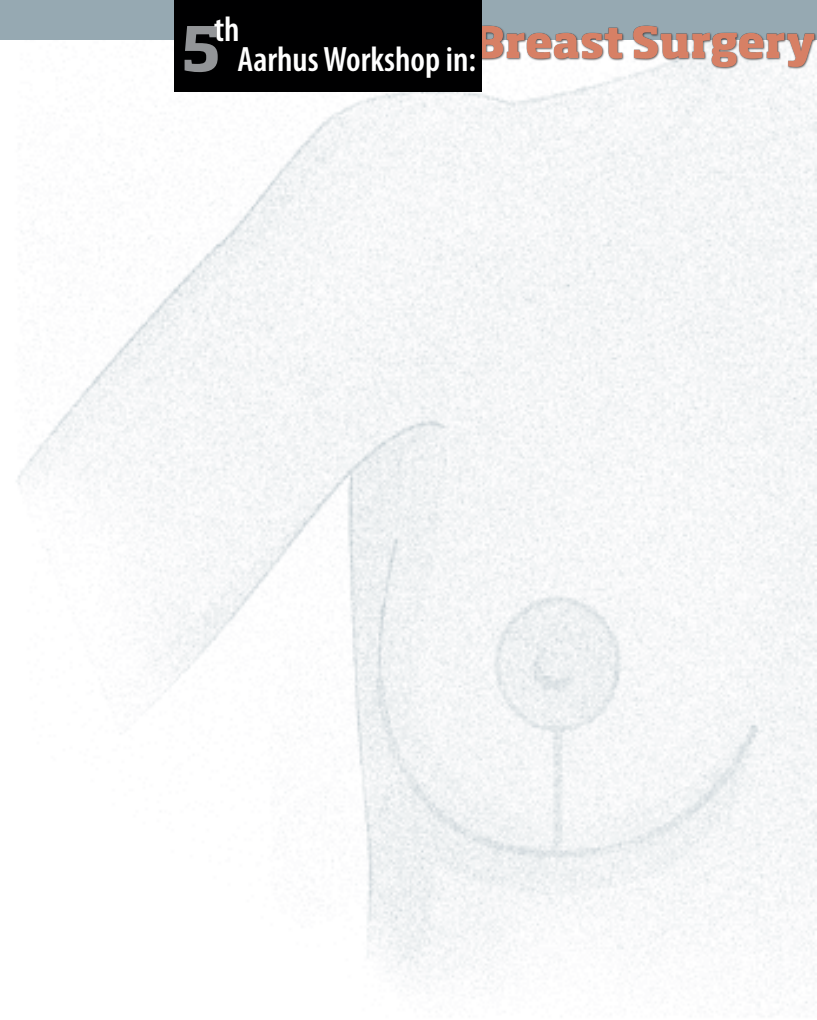
Strategy



Treatment

Immediate Surgery?

Neoadjuvant Therapy?



Treatment strategy – Immediate surgery??

Surgery

Removal of ovarian tissue for cryopreservation

Adjuvant therapy

Genetic testing

Further surgery??

Treatment strategy – Neoadjuvant therapy

Sentinel node

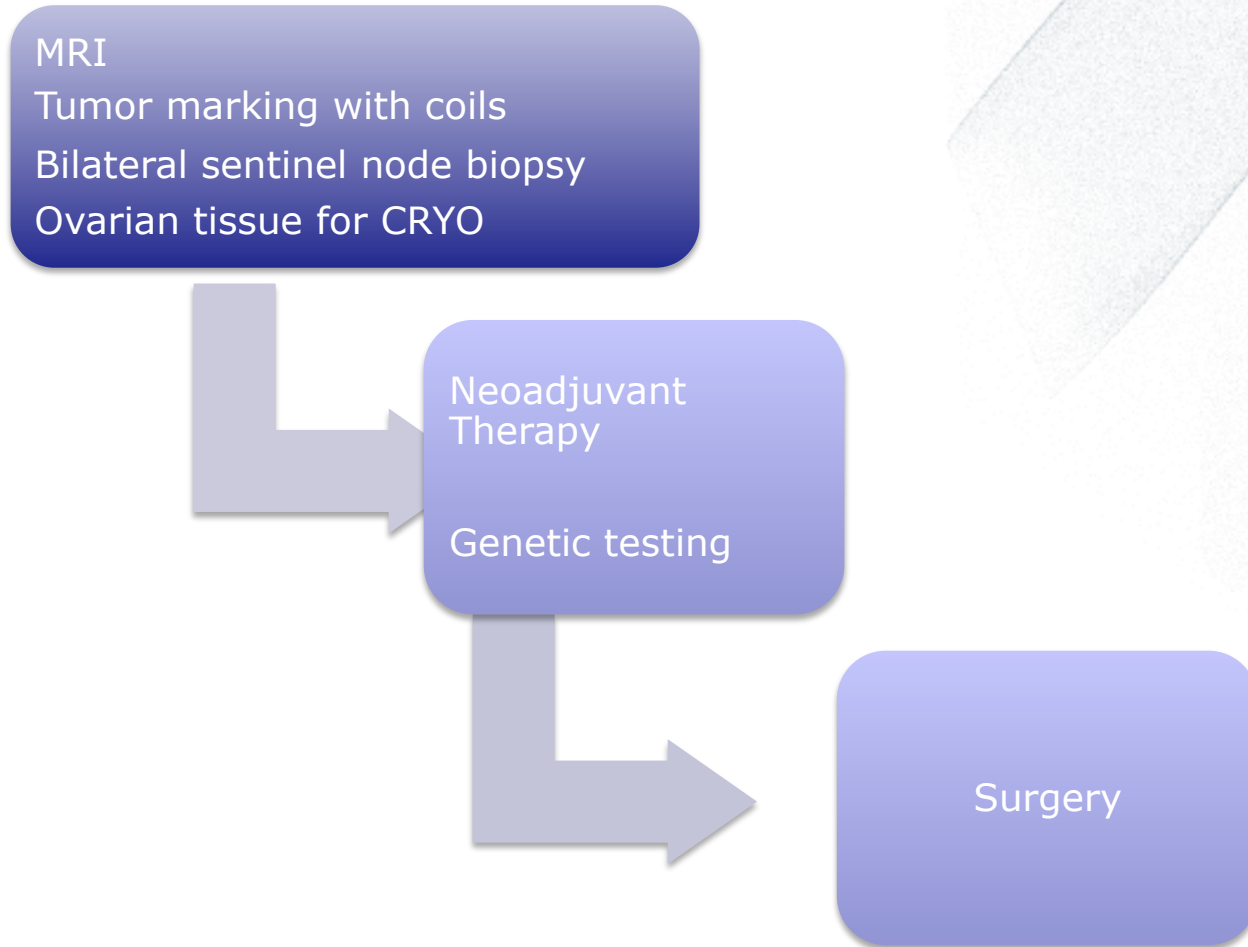
Removal of ovarian tissue for cryopreservation

Neoadjuvant therapy

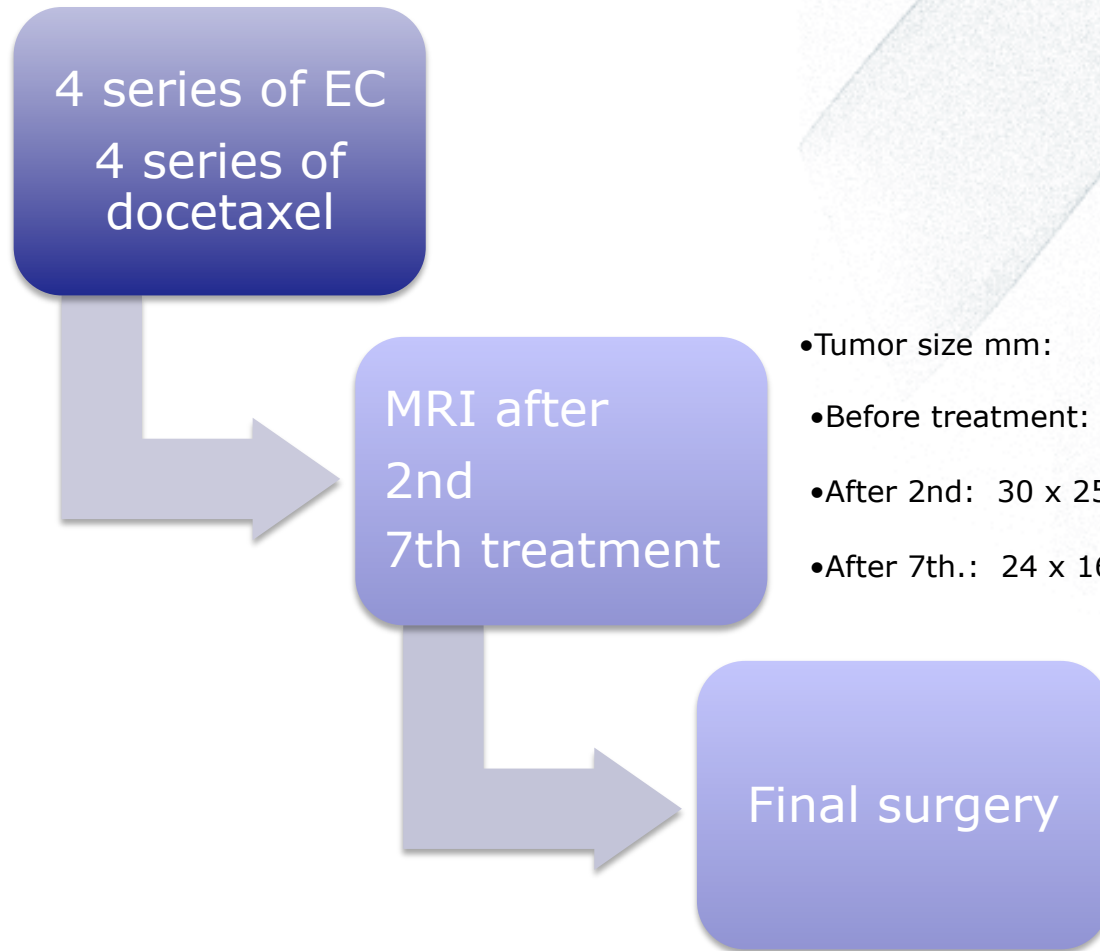
Genetic testing

Surgery

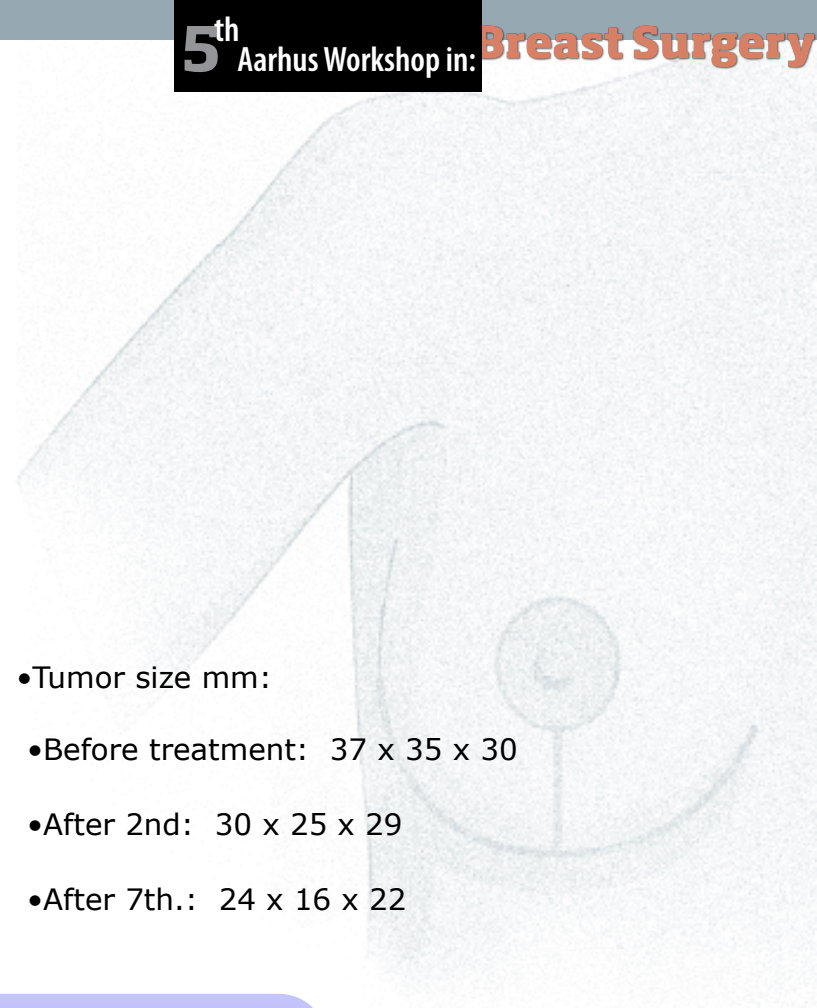
Treatment scedule



Treatment surveillance



- Tumor size mm:
- Before treatment: 37 x 35 x 30
- After 2nd: 30 x 25 x 29
- After 7th.: 24 x 16 x 22



"Accelerated" genetic testing

The test results ready after 2 months, before the end of chemotherapy.

No family history of breast or ovarian cancer.

Genetic testing for BRCA1, BRCA2 and PTEN

Results:

BRCA2 mutation

(De novo mutation - none of the parents are carriers of the mutation).

Surgery

- Bilateral Mastectomy with immediate rekonstruction, with Implants and ADM.



Fertility !

Wants to be pregnant:

After 2 years of Tamoxifen, pause -

Admitted to Fertility clinic:

IVF with PGD (Pre-implantation Genetic Diagnosis).

