

31/10

Breast cancer

Rana eldressi / 1700

● Sign and Symptom →

- palpable mass

- mostly in the upper quadrant about 60%.

- hard non tender irregular immovable mass

- Skin changes →
- Peau d'orange
- ulceration
- dimpling

- nipple →
- retraction recently
- Blood stain
- discharge

- edema of the arm

- axillary lymph node enlargement

- mets

⊗ imp point in examination →

- look for →
asymmetry
swelling
skin change
nipple change

- inspect the breast with different position

↳ hand resting on the thigh
↳ hand press on the hip
↳ arm above head
↳ leaning forward with breast pendulous

- palpating clockwise to cover all the part

⊗ different type of breast cancer →

histological classification

90% ↳ ductal carcinoma → non-invasive

10% ↳ lobular carcinoma → invasive
non-invasive

↳ other →

- paget disease
- inflammatory Ca

② diagnosis of breast cancer →

• triph assessment:

↳ clinically

↳ radiologically — mammography

— ultrasound

↳ histologically — MRI

↳ biopsy →

histological →

— Core biopsy

— fine needle aspiration ± axillary LN

for staging →

CT Scan

live ultrasound

Chest X-ray

Bone Scan

③ Staging and prognosis →

TNM Staging System

Tumor size

Lymph node

met

Stage 1	} 79% to 93% Good prognosis
" 2a	
" 2b	
Stage 3a	} 41% Survival rate 5 years
Stage 3b	
Stage 4	18%

① Treatment modalities of breast cancer

medically treatment

(with non-metastatic)

- endocrin therapy

ER (+) ← anti-oestrogens

Her-2 receptor (+) ← L trastuzumab

- chemotherapy

- radiotherapy

Surgical treatment

- wide local excision

- Simple mastectomy

- for regional lymph node

↳ axillary node sampling

↳ axillary node clearance

↳ Sentinel node biopsy