Invasive ductal carcinoma – Right Breast – 14/02/2020

Nazreen Bhim
Groote Schuur Hospital/University of Cape Town

Locally Advanced Triple Negative Breast Cancer
DISCLOSURE OF INTEREST

- None
History

- 29-year-old female, G1, P0: POG 28/40
- PC: Right breast swelling x 6/12
- HxPC: Patient noticed swelling in Right breast and axilla x 6/12.
  - Rapidly increasing in size with intermittent pain.
  - Associated with peau d’orange, but no ulceration, nipple retraction or nipple discharge.
- Past Med Hx: Nil
- Family Hx: Nil
Examination

- Young female, in no cardiorespiratory distress.
- Systemic examination: Normal
- Right Breast:
  - Firm, mobile, 11 x 11cm retro-areolar mass, tethered to skin with peau d’orange. Not fixed to chest wall.
  - 8.5 x 7cm mobile axillary mass
- Left Breast: Normal Examination
- cT4bN2Mx
Investigations

- Mammogram: BIRADS 5 (R); BIRADS 2 (L)
- Biopsy: Invasive ductal carcinoma ER: 2/8, PR: 0/8, HER2: 1+
- Metastatic screen: CXR and Abd USS: negative for metastases

MDT Meeting: Proceed with pregnancy, then to re-stage patient and initiate Neo-adjuvant chemotherapy post delivery.
Post delivery

- CT Chest/Abdomen/Pelvis: No metastatic disease
- AC q. 3/52 x 4 >> Paclitaxel q. 3/52 x 4 cycles

Reassessment: Patient initially demonstrated clinical response to Adriamycin and Cyclophosphamide, however while on Paclitaxel, at Cycle #3, tumour was noted to increase in size to pre-chemotherapy dimensions.
Post NACT Histology

- Metaplastic breast carcinoma with mesenchymal differentiation. Grade III.
  - Size: 100 x 60 x 60mm and 10 x 10 x 10mm
  - LVI with high grade DCIS present. Margins: -ve
- Lymph node: 4/14 nodes +ve with ECS
  - Largest 30 x 20 x 10mm
- IHC: ER 0/8; PR 0/8; Her2: -ve; Ki67: 60-70%
Discussion

1) Management of triple negative breast cancer during pregnancy.
2) Optimal option for locally advanced breast cancer when progressing on neo-adjuvant chemotherapy.
3) Adjuvant chemotherapy options in patients with residual disease after NACT.
4) Considerations in young patients with Triple negative breast cancer.
Thank you for your attention! :)