

## Major areas of scientific interest: Breast cancer

### NCG 2019

#### Key areas:

1. Controversies in LABC practice
2. Optimization of management of low axillary burden
3. Audit of nationwide practice of LRT
4. Cost efficient biomarkers
5. PET vs multimodality care
6. Duration of Her2 therapy
7. Quality of life

#### 1. Implementation science:

##### a) **LABC Locoregional therapy practice:**

- Extent of excision post NACT
- **BCS vs MRM**
- **Post chemo SNB**
- RT escalation
- Residual cancer burden
- **Maintenance adjuvant therapy post non pCR**
- **Neoadjuvant RT**
- Adjuvant chemoradiation

b) **Low axillary burden ( 1-3 node positive)** : Extent of treatment , Rt vs Sx

c) **Rare concern registries:** male breast cancer , Palpable DCIS, pregnancy associated BC

#### 2) Guidelines:

- a) a) Implementation of LRT guidelines / **practices nationwide:** BCS, SNB, reconstruction LRRT techniques
- b) **Her2 duration of therapy**

#### 3) Testing Technology:

- a) **Cost efficient biomarkers**
  - **Prediction of response to platinum**
  - **Her2 scores**
  - **Ki67 standardization and validation**
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**4) Novel avenues:**

- a) Radiosensitizers
- b) Proton therapy

**5) Challenging Dogmas:**

- a) Staging and work up: single intervention PET CT vs multi-modality**
- b) Peri operative opioid use

**6) Quality of life issues:**

- a) Early integration of pall care in advanced cancers
- b) Reconstruction**
- c) Morbidity : cardiac and other Treatment related morbidity**
- d) Patient support groups**