Comparison of National Guidelines Regarding Neoadjuvant Systemic Therapy in the Management of Breast Cancer: A Single Institution Quality Improvement Initiative

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**Introduction**
- Breast cancer is the predominant global cancer diagnosis
- Many women will require neoadjuvant systemic therapy (NST)
- This study evaluated our institution’s compliance with national guidelines in the multidisciplinary management of NST, in accordance with ACS Commission on Cancer Standard 7.2

**Methods**
- A retrospective analysis included 100 patients at our institution who underwent NST between 2019 and 2023
- Results were compared to national guidelines set by The American Society of Breast Surgeons (ASBrS) in all 39 categories outlined in their guideline consensus

**Results**
- Our institution exceeded 80% adherence in 84% of ASBrS guideline categories
- Compliance fell below 80% in specific areas: repeat imaging post-NST, placement of surgical clips along lumpectomy cavity, delayed breast reconstruction with planned radiation, and radiation initiation within 6 weeks of surgery

**ASBrS Guideline Categories**
- >80% Compliant
- <80% Compliant

<table>
<thead>
<tr>
<th>Category</th>
<th>&gt;80% Compliant</th>
<th>&lt;80% Compliant</th>
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<tbody>
<tr>
<td>Invitae testing in clinic</td>
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<td>Genetic counseling referral</td>
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<td>Contact med/oncology physicians &amp; admins</td>
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<td>Initiate surgery consult earlier</td>
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<td>If breast conserving surgery planned</td>
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<td>Post-NST imaging during surgical consult</td>
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**Improvement Initiatives**
- Genetic Testing
  - Invitae testing in clinic
  - Genetic counselor referral
- Timing of surgery
  - Contact med/oncology physicians & admins
  - Initiate surgery consult earlier
- Repeat Imaging
  - If breast conserving surgery planned
  - Post-NST imaging during surgical consult

**Conclusions**
- Effective NST requires coordinated efforts of a multidisciplinary team
- We identified 3 specific areas requiring improvement initiatives within our institution
- Through enhancements in care within these domains, a comprehensive amelioration of patient care is attainable