### Supplemental Digital Content 3. Eligibility Criteria

#### Inclusion criteria:

1. Female adult patients undergoing mastectomy for breast cancer or prophylaxis.
2. Sample size of at least 10 cases.
3. Intraoperative use of SPY technology or laser-assisted indocyanine green angiography for decision-making regarding removal of nonviable tissue.
4. Clinical judgement is the comparative intervention.
5. Reported outcomes includes incidence of postoperative complications including skin flap necrosis, infections and reoperation.
6. Follow up period of at least 1 month.
7. Primary literature with cohort study design, reported in English.

#### Exclusion criteria:

1. Anything contrary to the inclusion criteria.
2. Commentaries and editorial letters.
3. No discussion of mastectomy skin flap outcomes or reoperation rates.
4. Evaluation of specificity or sensitivity of SPY angiography without a comparison group.
5. Findings of SPY angiography not used to resect hypoperfused tissue intraoperatively.