

Appendix 1: Univariate Associations of Patient and Surgical Variables with Permanent Implant Removal

| Confounding Variable | Odds Ratio | Confidence Interval | p-value |
|---|-------------------|----------------------------|----------------|
| Age | 0.99 | [0.94, 1.05] | 0.79 |
| BMI | 0.98 | [0.89, 1.09] | 0.75 |
| DM | 0.00 | [0.00, 0.00] | 0.99 |
| Smoking Status | 1.14 | [0.57, 2.28] | 0.72 |
| Stage | 1.05 | [0.62, 1.79] | 0.86 |
| Radiation | 1.41 | [0.32, 6.27] | 0.65 |
| Chemotherapy | 1.18 | [0.53, 2.64] | 0.68 |
| Immediate v. Delayed Recon. | 1.00 | [0.08, 11.93] | 1.00 |
| ADM used | 0.41 | [0.10, 1.69] | 0.22 |
| TE Removed v. Salvaged | 1.21 | [0.27, 5.49] | 0.80 |
| Removed for infection | 2.44 | [0.59, 10.04] | 0.22 |
| Removed for Mastectomy Flap Necrosis | 3.45 | [0.50, 23.94] | 0.21 |
| Removed for Rupture, Leak, or Deflation | 0.94 | [0.22, 4.01] | 0.94 |
| BMI = Body Mass Index, DM = Diabetes mellitus, v. = versus, ADM = Acellular Dermal Matrix, TE = Tissue Expander | | | |