



Supporting Information

Supplementary results

**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

Appendix to: Crittenden TA, Ratcliffe J, Watson DI, et al. Cost–utility analysis of breast reduction surgery for women with symptomatic breast hypertrophy. *Med J Aust* 2022; doi: 10.5694/mja2.51343.

Table 1. SF-6D dimension scores for the intervention and control groups, by dimension*

| SF-6D dimension | Intervention: mean (SD) | | | | Control: mean (SD) | |
|----------------------|-------------------------|----------------|----------------|----------------|--------------------|----------------|
| | Baseline | 3 months | 6 months | 12 months | Baseline | 12 months |
| Physical functioning | 3.32 (1.33) | 2.38 (1.35) | 2.27 (1.39) | 2.13 (1.33) | 3.26 (1.31) | 3.32 (1.38) |
| Role limitation | 3.35 (1.02) | 2.51 (1.31) | 2.35 (1.32) | 2.29 (1.27) | 3.32 (1.02) | 3.42 (0.99) |
| Social functioning | 2.69 (1.16) | 1.89 (1.13) | 1.85 (1.08) | 1.74 (0.99) | 2.80 (1.17) | 2.84 (1.13) |
| Pain | 4.15 (1.17) | 2.79 (1.29) | 2.72 (1.41) | 2.54 (1.37) | 4.09 (1.18) | 4.17 (1.13) |
| Mental health | 2.90 (1.10) | 2.26 (1.09) | 2.15 (0.94) | 2.16 (1.01) | 2.88 (1.17) | 3.02 (0.99) |
| Vitality | 3.47 (1.03) | 2.83 (1.01) | 2.71 (0.95) | 2.75 (0.97) | 3.58 (0.92) | 3.78 (1.00) |

* SF-6D dimension scores: a higher score corresponds to poorer worse health.

Table 2. Characteristics of 209 women in the intervention group who completed at least one post-operation assessment, by occurrence of surgical complications*

| Characteristic | No complications | Complication | P† |
|--|------------------|--------------|-------|
| Number of women | 117 | 92 | |
| Age (years), mean (SD) | 42.5 (13.4) | 42.8 (13.4) | 0.84 |
| Obesity (BMI $\geq 30\text{kg/m}^2$) | 71 (61%) | 67 (73%) | 0.08 |
| Smoking | 11 (9%) | 24 (26%) | 0.002 |
| Diabetes | 4 (3%) | 6 (7%) | 0.35 |
| ASA classification | | | 0.64 |
| 1 | 43 (37%) | 39 (42%) | |
| 2 | 58 (50%) | 43 (47%) | |
| 3 | 12 (13%) | 7 (8%) | |
| Tissue resection weight (g),‡ mean (SD) | 1192 (637) | 1506 (974) | 0.006 |
| Operation time (min), mean (SD) | 167 (39) | 169 (38) | 0.77 |
| Change in SF-6D scores at 12 months, mean (SD) | 0.31 (0.29) | 0.29 (0.27) | 0.61 |

ASA = American Society of Anesthesiologists Physical Status Classification; BMI = body mass index; SD = standard deviation.

* A comprehensive complications checklist was completed four weeks, three months, six months and twelve months after surgery, and included incomplete wound healing, skin necrosis, surgical site infection, skin necrosis, haematoma, scar issues (eg, standing cone deformity), pneumonia, and thromboembolism.

† Independent two-sample *t* test for continuous variables; χ^2 or Fisher exact test for categorical variables.

‡ Total weight of breast tissue resected at surgery.