Western Sussex NHS Hospitals **NHS Foundation Trust**

BACKGROUND

Lipomodelling offers an adjunct to breast reconstruction for management of Table 1 summarises the results for all domains of the BREAST-Q - the results secondary contour deformities using a simple, safe, effective treatment with are analogous to other published literature. In all domains except sexual welllow morbidity. With the advent of pre-pectoral implant reconstruction, being patients were generally satisfied with this technique. In the satisfaction lipomodelling may be used as a secondary treatment to improve cosmetic with breasts domain, patients were most satisfied with the shape, feel, size appearance. There is some evidence to suggest that satisfaction with and softness of their reconstructed breasts. Patients reported the highest cosmetic outcome of some procedures may decline over time, particularly satisfaction with their breasts when clothed (95%). The lowest scores were following adjuvant treatment and it is important that we are able to collect this reported in breast symmetry. The lowest score reported was for sexual information in order to counsel future patients appropriately and improve our wellbeing - median 47 (35-66). Only 29% of women reported feeling sexually practice. BREAST-Q is a validated, highly reliable patient reported outcome attractive unclothed with 50% feeling sexually attractive clothed. measure used widely for breast reconstruction

OBJECTIVE

The aim of the study was to assess patient satisfaction and quality of life following lipomodelling in implant-based breast reconstruction using BREAST-Q to evaluate service and identify ways of improving patient care.

METHOD

This retrospective study collected BREAST-Q questionnaires from breast cancer patients undergoing lipomodelling following implant-based breast reconstruction surgery between 2016 and 2019. Patients were contacted by phone, invited to participate and BREAST-Q questionnaire sent by post. The BREAST-Q was given post-operatively to measure patient outcome measures using quality of life domains – psychosocial well-being, sexual well-being, physical well-being and satisfaction domains - Rasch Transformed Score was calculated for each domain.

No link was identified between patient satisfaction and age, number of lipomodelling sessions or time from surgery. Patients who had bilateral RESULTS lipomodelling appeared to be more satisfied with their breast(s) than those who underwent unilateral lipomodelling. For bilateral lipomodelling, 26% more BREAST-Q questionnaires were returned by 41 women (58.6%). The mean patients were satisfied with the symmetry of their breasts and 17% more participant age was 49.7 years (age range 36-78) and the mean time from patients were satisfied with how equal in size their breasts were. Patients lipomodelling surgery was 21 months (range 3-44 months). The average who underwent adjunctive radiotherapy were less satisfied with their breasts number of lipomodelling procedures was 1.3. Only 27% had bilateral compared to those who did not. They also reported lower psychosocial and lipomodelling after implant-based reconstruction while 83% had unilateral sexual well-being (Figure 1). Statistical analysis of this data could not be lipomodelling. 20 patients underwent adjunctive radiotherapy. performed due to the small sample of patients.

Table 1: Results for BREAST-Q Lipomodelling in Implant Based Reconstruction

Lipomodelling After Implant Based Breast Reconstruction: **Evaluation of Patient Reported Outcome using BREAST-Q**

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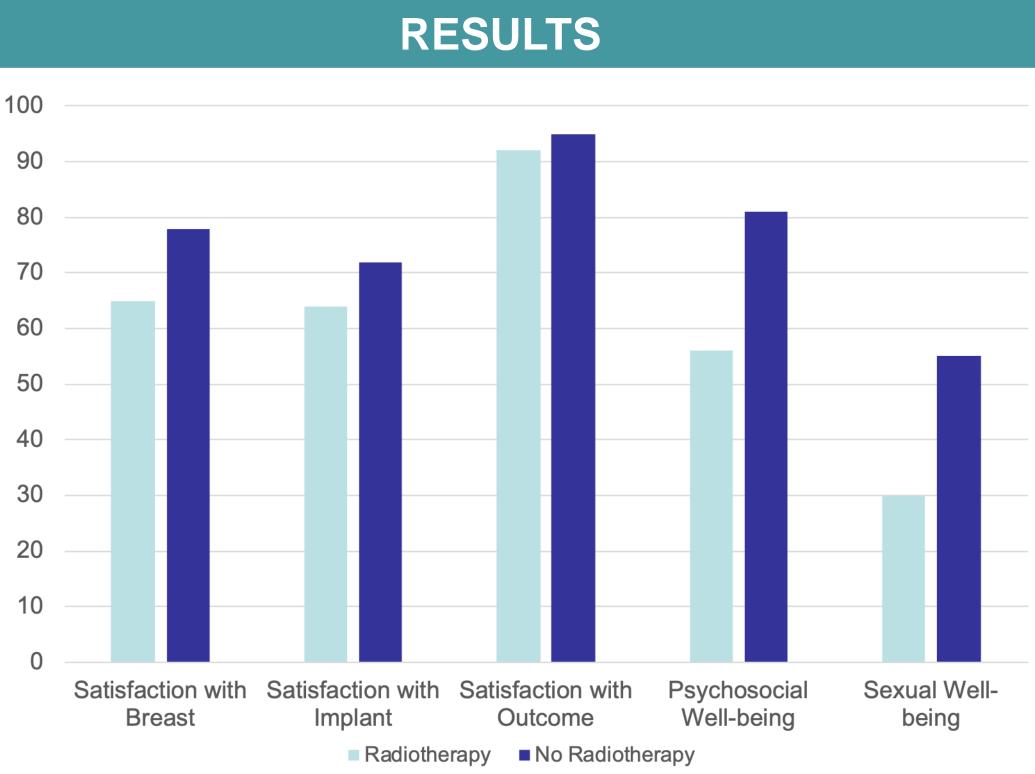
RESULTS

Domain	Number of patient replies	Median (IQR)	Mean (SD)
	to domain (n)		
Satisfaction with breast	41	58 (48-71)	59 (17)
Satisfaction with implant	39	6 (4-8)	6 (2)
Satisfaction with outcome	41	17 (15-18)	16 (3)
Psychosocial wellbeing	41	64 (52-80)	68 (19)
Sexual wellbeing	34	47 (35-66)	49 (26)
Physical wellbeing	41	74 (64-87)	76 (16)
Satisfaction information	41	77 (67-91)	78 (16)
Satisfaction surgeon	41	100 (100-100)	97 (8)
Satisfaction medical team	41	100 (100-100)	93 (16)
Satisfaction office staff	41	100 (100-100)	94 (14)

Figure 1: Comparison of patient satisfaction between women who underwent adjunctive radiotherapy and those who did not

Lipomodelling improves overall satisfaction, psychosocial and physical well being but it does not appear to impact sexual well being. Patients were highly satisfied with their health care providers Data from this study will inform a larger prospective study into this topic and direct further patient support in low scoring domains.





CONCLUSION

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(%)

of

Percentage