

Supplementary Online Content

Sarwer DB, Spitzer JC, Wadden TA, et al. Changes in sexual functioning and sex hormone levels in women following bariatric surgery. *JAMA Surg*. Published online November 4, 2013. doi:10.1001/jamasurg.2013.5022.

eTable 1. Observed female sexual function index scores and sex hormone levels before and after bariatric surgery

eTable 2. Observed psychosocial measure scores before and after bariatric surgery

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Observed female sexual function index scores and sex hormone levels before and after bariatric surgery

	Baseline			Year 1			Year 2		
	n	Mean	(SD)	n	Mean	(SD)	n	Mean	(SD)
Female Sexual Function Index									
Total FSFI score	88	20.7	(10.4)	71	23.7	(10.8)	52	24.8	(8.7)
Arousal	92	3.2	(1.9)	71	3.7	(2.1)	53	3.9	(1.8)
Lubrication	92	3.8	(2.2)	71	4.1	(2.2)	53	4.4	(1.9)
Desires	93	2.8	(1.2)	72	3.5	(1.5)	53	3.4	(1.4)
Orgasm	90	3.4	(2.3)	72	3.7	(2.3)	53	4.0	(2.1)
Satisfaction	90	3.5	(1.8)	72	4.2	(1.7)	52	4.2	(1.7)
Pain	90	4.1	(2.4)	72	4.4	(2.4)	53	4.6	(2.1)
Sex Hormones									
Estradiol (pg/mL)	99	86.9	(97.7)	73	51.2	(58.3)	51	50.9	(54.8)
Total testosterone (ng/dL)	99	47.2	(33.4)	73	30.3	(20.4)	51	23.3	(17.3)
FSH (mIU/mL)	99	15.6	(22.6)	73	23.0	(28.8)	51	32.5	(35.6)
LH (mIU/mL)	99	9.5	(9.5)	73	13.5	(13.9)	51	17.1	(16.6)
SHBG (µg/mL)	99	4.7	(4.1)	73	11.8	(7.3)	51	9.8	(3.3)
DHEAS (µg/dL)	99	117.8	(75.8)	73	104.7	(56.4)	51	91.0	(50.1)

FSH = follicle-stimulating hormone; LH = leutenizing hormone; SHBG = sex hormone-binding globulin;
DHEAS = dehydroepiandrosterone sulfate
SD = standard deviation

eTable 2. Observed psychosocial measure scores before and after bariatric surgery

	Baseline			Year 1			Year 2		
	n	Mean	(SD)	n	Mean	(SD)	n	Mean	(SD)
SF-36									
Physical component summary	99	37.0	(9.0)	79	52.3	(6.8)	61	51.3	(7.4)
Mental component summary	99	47.8	(10.8)	79	52.9	(8.8)	61	51.6	(8.8)
Physical functioning	100	38.7	(9.2)	80	52.9	(6.6)	61	52.9	(4.9)
Role-physical	100	41.2	(11.6)	79	52.8	(7.0)	61	51.6	(8.9)
Pain	101	39.8	(8.8)	79	50.7	(8.7)	61	49.5	(10.0)
General health	101	39.1	(9.9)	80	53.6	(6.7)	61	52.5	(8.4)
Vitality	101	37.2	(9.5)	80	53.1	(9.0)	61	49.7	(9.0)
Social functioning	101	44.3	(11.2)	80	53.2	(8.6)	61	52.2	(9.3)
Role-emotional	100	47.1	(11.2)	79	52.2	(8.4)	61	52.5	(7.9)
Mental health	101	47.5	(9.5)	80	53.2	(7.9)	61	51.7	(8.3)
IWQOL									
Total IWQOL score	101	45.6	(16.9)	80	89.5	(12.0)	60	89.3	(12.6)
Work score	95	61.0	(23.8)	78	94.2	(13.2)	57	95.6	(10.0)
Physical function score	101	39.9	(20.0)	80	91.0	(11.4)	61	91.1	(10.6)
Public distress score	101	57.2	(23.3)	80	92.1	(13.9)	60	92.3	(14.3)
Sex life score	101	45.7	(26.7)	80	85.5	(20.6)	60	85.4	(21.1)
Self-esteem score	101	37.3	(25.7)	80	84.3	(18.6)	61	83.4	(21.4)
BIQOL	93	-0.6	(1.2)	74	1.3	(1.2)	54	1.1	(1.1)
BSQ	93	118.2	(29.0)	73	68.8	(21.6)	53	74.5	(25.3)
DAS									
Overall DAS score	92	107.9	(20.4)	73	114.9	(18.5)	54	112	(22.3)
Consensus	92	45.4	(7.3)	73	48.4	(6.8)	54	47.5	(8.1)
Satisfaction	92	37.4	(7.5)	73	39.2	(7.0)	54	37.7	(8.7)
Cohesion	92	15.5	(4.2)	73	16.3	(3.9)	54	16.0	(4.6)
Affectional expression	92	7.7	(3.0)	73	8.8	(2.4)	54	8.4	(3.1)
BDI	102	9.3	(7.1)	83	3.9	(4.5)	61	2.9	(3.6)

SF-36 = Short Form Health 36-Item Survey; IWQOL = Impact of Weight on Quality of Life-lite;

BIQOL = Body Image Quality of Life; BSQ = Body Shape Questionnaire; DAS = Dyadic Adjustment Scale;

BDI = Beck Depression Inventory – I

SD = standard deviation