

Supplementary Table 1. Sociodemographic and clinical characteristics by depression

	Within 1 week (N=309)				At 1 year (N=244)			
	No depression (N=235)	Depression (N=74)	Statistical coefficients	p-value*	No depression (N=200)	Depression (N=44)	Statistical coefficients	p-value*
Age, mean (SD) years	50.6 (10.0)	51.5 (8.7)	t=-0.683	0.495	50.0 (10.0)	52.1 (7.8)	t=-1.333	0.184
Education, mean (SD) year	10.5 (3.9)	10.2 (3.9)	t=0.541	0.589	10.7 (3.9)	10.0 (3.3)	t=1.173	0.242
Current occupation, N (%) have	68 (28.9)	21 (28.4)	$\chi^2=0.009$	0.926	56 (28.0)	18 (40.9)	$\chi^2=2.844$	0.092
Marital status, N (%) married	190 (80.9)	60 (81.1)	$\chi^2=0.002$	0.965	165 (82.5)	36 (81.8)	$\chi^2=0.012$	0.914
Religious affiliation, N (%) yes	183 (77.9)	57 (77.0)	$\chi^2=0.023$	0.879	150 (75.0)	36 (81.8)	$\chi^2=0.925$	0.336
Living alone, N (%) yes	17 (7.2)	8 (10.8)	$\chi^2=0.968$	0.325	13 (6.5)	3 (6.8)	$\chi^2=0.006$	0.938
Personal history of depression, N (%) yes	14 (6.0)	10 (13.5)	$\chi^2=4.485$	0.034	12 (6.0)	6 (13.6)	$\chi^2=3.078$	0.106
Family history of depression, N (%) yes	1 (0.4)	3 (4.1)	$\chi^2=5.799$	0.044	1 (0.5)	2 (4.5)	$\chi^2=4.860$	0.085
Chronic physical disorders, mean (SD) number	0.4 (0.8)	0.3 (0.6)	t=0.788	0.431	0.3 (0.7)	0.4 (0.9)	t=-0.747	0.456
Body mass index, mean (SD) kg/m ²	24.1 (3.5)	23.9 (3.1)	t=0.591	0.555	24.1 (3.5)	24.4 (2.8)	t=-0.508	0.612
Estrogen receptor, N (%) positive	129 (54.9)	44 (59.5)	$\chi^2=0.476$	0.490	111 (55.5)	25 (56.8)	$\chi^2=0.025$	0.873
Progesterone receptor, N (%) positive	130 (55.3)	43 (58.1)	$\chi^2=0.178$	0.673	115 (57.5)	25 (56.8)	$\chi^2=0.007$	0.934
Tumor size, mean (SD) mm	18.3 (11.7)	19.2 (12.4)	t=-0.545	0.586	18.1 (10.4)	20.6 (14.6)	t=-1.316	0.189
Axillary lymph node, N (%) present	71 (30.2)	24 (32.4)	$\chi^2=0.130$	0.718	61 (30.5)	18 (40.9)	$\chi^2=1.785$	0.182
Time since cancer diagnosis, mean (SD) month	2.4 (6.5)	2.8 (10.5)	t=-0.435	0.664	2.3 (8.4)	2.8 (7.3)	t=-0.319	0.750
Chemotherapy, N (%) done	171 (72.8)	49 (66.2)	$\chi^2=1.177$	0.278	142 (71.0)	33 (75.0)	$\chi^2=0.285$	0.594
Surgery type, N (%)			$\chi^2=0.769$	0.381			$\chi^2=0.390$	0.532
Breast conserving	156 (66.4)	45 (60.8)			137 (68.5)	28 (63.3)		
Mastectomy	79 (33.6)	29 (39.2)			63 (31.5)	16 (36.4)		
Relapsed cancer, N (%) yes	13 (5.5)	3 (4.1)	$\chi^2=0.250$	0.770	12 (6.0)	2 (4.5)	$\chi^2=0.141$	1.000
Cancer stage, N (%)			$\chi^2=1.002$	0.317			$\chi^2=2.137$	0.144
0	20 (8.5)	9 (12.2)	(linear)		17 (8.5)	3 (6.8)	(linear)	
I	79 (33.6)	26 (35.1)			74 (37.0)	12 (27.3)		
II	95 (40.4)	27 (36.5)			79 (39.5)	19 (43.2)		
III	32 (13.6)	11 (14.9)			24 (12.0)	8 (18.2)		
IV	9 (3.8)	1 (1.4)			6 (3.0)	2 (4.5)		
<i>BDNF</i> val66met			$\chi^2=6.661$	0.010			$\chi^2=7.353$	0.007
Val/val	58 (24.7)	13 (17.6)	(linear)		49 (24.5)	8 (18.2)	(linear)	
Val/met	135 (57.4)	36 (48.6)			117 (58.5)	18 (40.9)		
Met/met	42 (17.9)	25 (33.8)			34 (17.0)	18 (40.9)		

*p-values using t-tests or χ^2 tests as appropriate. BDNF: brain-derived neurotrophic factor