Quality of life of patients who undergo breast reconstruction after mastectomy: effects of personality characteristics

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Table 1. Clinical characteristics of 57 women who underwent breast reconstruction

Variable	Mean ± SD
Age	46.8 ± 8.1 yr
Age of first diagnosis of breast cancer	44.3 ± 8.6 yr
Duration of illness	4.1 ± 2.4 months
No. of childbirths	1.4 ± 0.8
CGI-Severity Item	2.1 ± 1.0
HDRS score	10.5 ± 5.1
HARS score	10.4 ± 4.7
Mean of SF-36 transformed scores at T0	62.24 ± 15.89
Mean of SF-36 transformed scores at T1	69.14 ± 13.24
	N (%)
Marital status	
Single	9 (16)
Married	42 (74)
Separated/divorced	6 (11)
Widow	0
Educational level	
Primary school	3 (5)
Secondary school	12 (21)
High school	33 (58)
University	9 (16)
Work	
Unemployed/housewife	9 (16)
Retired	3 (5)
Worker/farmer	9(16)
Clerk	30 (53)
Self-employed worker	6 (10)
Breast cancer stage	
Stage 0	12 (21)
Stage I	0
Stage II	18 (31)
Stage III	27 (47)
Stage IV	0
Surgical techniques of mastectomy	
Unilateral mastectomy	27 (47)
Bilateral mastectomy	18 (32)
Mastectomy with lymph	12 (21)
Node dissection	0
Previous mastectomy	
No	51 (89)
yes	6 (10)
Previous chemotherapy	
No	18 (32)
yes	39 (68)
Previous radiotherapy	
No	45 (78)
yes	12 (21)

Table 2. Results of the univariate regression between continuous variables and the T1-T0 change of the mean of SF-36 transformed scores*

		Standardized	
	r²	b	p
Age	0.12	0.37	<0.01
Age at first diagnosis	0.06	0.29	0.03
TCI novelty seeking	0.08	- 0.31	0.02
TCI harm avoidance	0.29	0.55	<0.01
TCI self-directedness	0.17	- 0.43	<0.01
IIIP-64 vindictive/self-centered	0.17	0.43	<0.01
IIIP-64 cold and distant	0.13	0.38	<0.01
IIIP socially inhibited	0.17	0.43	<0.01
IIIP-64 nonassertive	0.08	0.31	0.02
IIIP-64 overly accomodating	0.13	0.38	<0.01

*Only significant results ($p \leq 0.05$) are reported; r² is an estimate of the percentage of variance explained by the relation between each variable and the T1-T0 change of the SF-36 mean score; standardized regression coefficients (standardized b) are reported in order to allow the comparison of regression coefficients estimated from variables with measurement scales.

Abbreviations: TCI: Temperament and Character Inventory; IIP-64: Inventory for Interpersonal Problems-64 items.

Table 3. Results of the multiple regression analysis (stepwise forward) performed using the T1-T0 change of the mean of SF-36 transformed scores as dependent variable*

Variable	b	SE	t	p
TCI Harm Avoidance	0.29	0.08	3.83	< 0.01
IIP-64 Vindictive/self-centered	0.53	0.24	2.22	0.03

*Independent variables are factors that were found significant with the univariate regression (continuous variables) or with the analysis of variance (categorical variables).

Abbreviations: TCI: Temperament and Character Inventory; IIP-64: Inventory for Interpersonal Problems-64 items.