

**Perceived needs and health-related quality of life in women with breast cancer  
undergoing chemotherapy: A cross-sectional study**

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Supplementary Table 1 Demographic and clinical characteristics of patients (n=359)

Items	n (%)	Items	n (%)
<b>Age (years; Mean ± SD)</b>	49.7±9.8	<b>Employment</b>	
<45	107 (29.8)	Yes	131 (36.5)
45 – 55	148 (41.2)	No	143 (39.8)
56 – 65	88 (24.5)	Retired	85 (23.7)
>65	16 (4.5)	<b>Income/Month<sup>†</sup> (RMB)</b>	
<b>Education</b>		<1000	87 (24.3)
Primary school	73 (20.3)	1000 – 3000	155 (43.3)
Junior school	114 (31.8)	>3000	116 (32.4)
High school	95 (26.5)	<b>Month(s) after surgery<sup>†</sup></b>	2 (Median)
Junior college	40 (11.1)	<b>Clinical stage<sup>†</sup></b>	
Undergraduate	37 (10.3)	0	2 (0.6)
<b>Marital status</b>		I	68 (19.3)
Married	344 (95.8)	II	195 (55.2)
Other	15 (4.2)	III	81 (22.9)
<b>Residence</b>		IV	7 (2.0)
Rural area	177 (49.3)	<b>Surgery type</b>	
Urban area	182 (50.7)	Modified radical mastectomy	225 (62.7)
<b>Chronic diseases</b>		Total mastectomy	95 (26.5)
Yes	71 (19.8)	Breast-conserving surgery	34 (9.5)
No	288 (80.2)	Other	5 (1.4)

Note: <sup>†</sup> with missing data

## Supplementary Table 2 Scores on perceived needs importance and perceived needs satisfaction

(n=359)

Variables	Perceived needs importance			Perceived needs satisfaction		
	Mean $\pm$ SD	Minimum	Maximum	Mean $\pm$ SD	Minimum	Maximum
Perceived needs importance	105.0 $\pm$ 14.4	58.0	140.0	91.6 $\pm$ 15.8	53.0	140.0
Physical needs	18.1 $\pm$ 3.6	6.0	25.0	16.2 $\pm$ 3.4	5.0	25.0
Psychological needs	19.9 $\pm$ 4.7	6.0	30.0	18.3 $\pm$ 4.4	6.0	30.0
Respect/self-esteem needs	20.3 $\pm$ 2.5	11.0	25.0	19.0 $\pm$ 2.5	13.0	25.0
Information needs	30.9 $\pm$ 4.2	15.0	40.0	24.7 $\pm$ 5.4	11.0	40.0
Rehabilitation needs	15.8 $\pm$ 2.2	7.0	20.0	13.5 $\pm$ 2.5	6.0	20.0

Note: SD, standard deviation

Supplementary Table 3 Scores on HRQoL of breast cancer patients (n=359)

<b>Variables</b>	<b>Mean <math>\pm</math> SD</b>	<b>Minimum</b>	<b>Maximum</b>
Physical Functioning	45.3 $\pm$ 6.4	21.2	57.5
Role Limitation-Physical	34.9 $\pm$ 9.5	21.2	57.2
Bodily Pain	47.6 $\pm$ 10.1	21.7	62.0
General Health	43.0 $\pm$ 9.2	19.0	66.5
Vitality	48.8 $\pm$ 8.9	28.8	70.4
Social Functioning	39.0 $\pm$ 10.8	17.2	57.3
Role-Emotional	38.8 $\pm$ 10.8	14.4	56.2
Mental Health	44.4 $\pm$ 8.7	14.2	64.0
Physical Component Summary	43.6 $\pm$ 6.5	21.8	60.9
Mental Component Summary	42.5 $\pm$ 9.5	15.1	66.8