Table 1. The mean of quality of life in patients with cancer and cardiovascular disease and healthy subjects

Variable/group	Mean±standard deviation
Public health	
Cancer	11.04±2.66
cardiovascular disease	13.07±2.85
Healthy	18.19±3.37
Physical functioning	
Cancer	19.66±4.96
cardiovascular disease	19.41±4.69
Healthy	25.95±4.20
Physical functioning limitation	
Cancer	3.28±1.29
cardiovascular disease	4.00±1.18
Healthy	5.89±1.64
Mental health	
Cancer	3.88±1.66
cardiovascular disease	3.48±1.32
Healthy	6.47±1.37
Bodily pain	
Cancer	7.02±2.14
cardiovascular disease	5.68±1.92
Healthy	5.21±1.97
Mental functioning limitation	
Cancer	10.71±2.95
cardiovascular disease	9.56±2.29
Healthy	14.73±2.95
Vitality	
Cancer	16.69±4.41
cardiovascular disease	17.00±4.53
Healthy	22.10±4.28
Social functioning	
Cancer	6.59±2.10
cardiovascular disease	5.85±1.72
Healthy	8.95±1.49
Quality of life	
Cancer	78.87±13.18
cardiovascular disease	78.05±11.10
Healthy	107.49±12.88

Table 2. Psychological well-being of patients with cancer and cardiovascular disease and healthy subjects

Variable/group	Mean±standard deviation
Self-acceptance	
Cancer	5.02±1.93
cardiovascular disease	5.74±2.05
Healthy	9.52±2.34
Positive relations with others	
Cancer	6.08±2.12
cardiovascular disease	9.04±2.43
Healthy	2.02±12.30
Autonomy	
Cancer	5.40±2.26
cardiovascular disease	7.42±2.43
Healthy	13.48±2.21
Environmental mastery	
Cancer	4.64±1.69
cardiovascular disease	6.68±2.06
Healthy	11.08±2.18
Purpose in life	
Cancer	6.60±2.67
cardiovascular disease	9.00±2.61
Healthy	14.80±2.24
Personal growth	
Cancer	7.84±2.21
cardiovascular disease	9.66±2.19
Healthy	12.72±1.97
Psychological well-being	
Cancer	35.58±9.79
cardiovascular disease	47.54±11.08
Healthy	73.90±10.50

Table 3. The results of multivariate analysis of variance (MANOVA)

Variable	Sum of Squares	Mean Squares	F	P value
Public health	1203.62	601.81	66.99	0.001
Physical functioning	1219.05	609.52	28.58	0.001
Physical functioning limitation	160.78	80.39	41.00	0.001
Mental health	233.84	116.92	56.20	0.001
Bodily pain	57.31	28. 65	7.02	0.001
Mental functioning limitation	652.38	326. 19	42.74	0.001
vitality	822.52	411. 26	21.13	0.001
Social functioning	231.60	115. 80	36.37	0.001
Quality of life	29471.73	14735.86	95.07	0.001

Table 4. The Results of paired comparison of quality of life

Variable/group		Mean difference	Standard error	P value
Public health				
Cancer	Cardiovascular disease	-2.02	0.658	0.053
Healthy		-7.14	0.640	0.001
Cardiovascular disease	Healthy	-5.12	0.644	0.001
Physical functioning				
Cancer	Cardiovascular disease	0.252	1.01	0.804
Healthy		-6.29	0.98	0.001
Cardiovascular disease	Healthy	-6.54	0.992	0.001
Physical functioning limitation				
Cancer	Cardiovascular disease	-0.714	0.307	0.022
Healthy		-2.606	0.299	0.001
Cardiovascular disease	Healthy	10.89	0.301	0.001
Mental health				
Cancer	Cardiovascular disease	-0.393	0.317	0.217
Healthy		-2.59	0.308	0.001
Cardiovascular disease	Healthy	-2.99	0.310	0.001
Bodily pain				
Cancer	Cardiovascular disease	-2.341	0.443	0.443
Healthy		-1.19	0.431	0.006
Cardiovascular disease	Healthy	-1.53	0.434	0.001
Mental functioning limitation				
Cancer	Cardiovascular disease	1.15	0.606	0.060
Healthy		-4.02	0.590	0.001
Cardiovascular disease	Healthy	-5.17	0.593	0.001
Vitality				
Cancer	Cardiovascular disease	-0.310	0.968	0.750
Healthy		-5.41	0.941	0.001
Cardiovascular disease	Healthy	-5.10	0.947	0.001
Social functioning				
Cancer	Cardiovascular disease	0.742	0.392	0.061
Healthy		-2.36	0.381	0.001
Cardiovascular disease	Healthy	-3.10	0.383	0.001
Quality of life				

Cancer	Healthy	-0. 168	2.73	0.061
Healthy		-31.63	2.65	0.001
Cardiovascular disease	Healthy	31.7	2.67	0.001

Table 5. The results of multivariate analysis of variance (MANOVA)

Variables	Sum of squares	Mean of squares	F	P value
Self-acceptance	584.28	292.14	64.96	0.001
Positive relations with others	967.96	483.98	100.19	0.001
Autonomy	1768.17	884.08	163.13	0.001
Environmental mastery	1083.25	541.62	136.31	0.001
Purpose in life	1777.33	888.66	140.46	0.001
Personal growth	608.17	304.08	66.91	0.001
Psychological well-being	38438.56	19219.28	175.14	0.001

Table 6. The results of paired comparison of psychological well-being

Variable/group		Mean difference	Standard error	P value
Self-acceptance				
Cancer	Cardiovascular disease	-0.520	0.424	0.042
Healthy		-4.50	0.424	0.001
Cardiovascular disease	Healthy	-3.78	0.424	0.001
Positive relations with others				
Cancer	Cardiovascular disease	-2.96	0.440	0.001
Healthy		-6.22	0.440	0.001
Cardiovascular disease	Healthy	-3.26	0.440	0.001
Autonomy				0.001
Cancer	Cardiovascular disease	-2.02	0.466	0.001
Healthy		-8.08	0.466	0.001
Cardiovascular disease	Healthy	-6.06	0.466	0.001
Environmental mastery				0.001
Cancer	Cardiovascular disease	-2.04	0. 399	0.001
Healthy		-6.44	0.399	0.001
Cardiovascular disease	Healthy	-4.40	0.399	0.001
Purpose in life				
Cancer	Cardiovascular disease	-2.40	0.503	0.001
Healthy		-8.20	0.503	0.001
Cardiovascular disease	Healthy	-5.80	0.503	0.001
Personal growth				0.001
Cancer	Cardiovascular disease	-1.82	0.426	0.001
Healthy		-4.88	0.426	0.001
Cardiovascular disease	Healthy	-3.06	0.426	0.001
Psychological well-being				0.001
Cancer	Cardiovascular disease	-11.96	2.09	0.001
Healthy		-38.32	2.09	0.001
Cardiovascular disease	Healthy	-26.36	2.09	0.001