

Supplementary

Supplementary Table S1. Results of the five functional scales, a global quality of life scale, three symptom scales, and six individual symptom scales of the EORTC QLQ-C30, stratified by level of education.

Measures	Sub-domain	Group 1 (n=49)			Group 2 (n=59)			P-Value
		Means score \pm SD	Median (IQR)	95%CI	Means score \pm SD	Median (IQR)	95%CI	
Functional Scales	Physical	59.32 \pm 27.56	60 (46.67)*	40-86.67	70.73 \pm 23.81	80 (33.33)*	53.33-86.67	0.0347
	Role	52.04 \pm 33.62	66.67 (33.33)*	33.33-66.67	59.89 \pm 34.89	66.67 (66.67)*	33.33-100	0.2123
	Cognitive	62.24 \pm 29.02	66.67 (50)*	33.33-83.33	75.71 \pm 25.2	83.33 (33.33)*	66.67-100	0.0148
	Emotional	56.63 \pm 31.18	58.33 (41.67)*	33.33-75	61.58 \pm 25.29	66.67 (41.67)	41.67-83.33	0.5270
	Social	45.92 \pm 32.9	50 (50)*	16.67-66.67	52.54 \pm 29.17	50 (33.33)*	33.33-66.67	0.2944
Global health status		41.67 \pm 19.91	41.67 (25)	25-50	47.18 \pm 22.35	50 (33.33)	33.33-66.67	0.1833
Symptom Scales	Fatigue	54.65 \pm 31.33	55.56 (44.44)*	33.33-77.78	43.31 \pm 26.48	33.33 (33.33)*	22.22-55.56	0.0306
	Pain	44.22 \pm 34.95	33.33 (66.67)*	16.67-83.33	41.81 \pm 34.1	33.33 (50)*	16.67-66.67	0.7442
	Vomiting/nausea	10.54 \pm 17.24	0 (16.67)*	0-16.67	10.17 \pm 17.24	0 (16.67)*	0-16.67	0.9739
Single-item measures	Dyspnoea	23.81 \pm 33.33	0 (33.33)*	0-33.33	15.25 \pm 25.01	0 (33.33)*	0-33.33	0.1987
	Insomnia	43.54 \pm 33.47	33.33 (33.33)*	33.33-66.67	48.59 \pm 34.08	33.33 (33.33)*	33.33-66.67	0.4416
	Appetite loss	23.13 \pm 28.22	0 (33.33)*	0-33.33	30.51 \pm 34.07	33.33 (33.33)*	0-33.33	0.3162
	Constipation	25.17 \pm 30.07	0 (33.33)*	0-33.33	23.73 \pm 32.19	0 (33.33)*	0-33.33	0.6430
	Diarrhea	23.13 \pm 34.83	0 (33.33)*	0-33.33	13.56 \pm 25.61	0 (33.33)*	0-33.33	0.1510
Financial difficulties		35.37 \pm 38.13	33.33 (66.67)*	0-66.67	35.59 \pm 33.26	33.33 (66.67)*	0-66.67	0.7132

* The non-distribution based on the Shapiro-Wilk test ($p < 0.05$); Group 1 – individuals with higher education level; Group 2 – without higher education level.

Supplementary Table S2. Results of the five functional scales, a global quality of life scale, three symptom scales, and six individual symptom scales of the EORTC QLQ-C30, stratified by place of residence.

Measures	Sub-domain	Group 1 (n=58)			Group 2 (n=50)			P-Value
		Means score \pm SD	Median (IQR)	95%CI	Means score \pm SD	Median (IQR)	95%CI	
Functional Scales	Physical	63.91 \pm 25.81	63.33 (40)*	46.67-86.67	67.47 \pm 26.55	73.33 (40)*	46.67-86.67	0.4556
	Role	56.32 \pm 34.17	66.67 (50)*	33.33-83.33	56.33 \pm 34.97	66.67 (50)*	33.33-83.33	0.9550
	Cognitive	69.83 \pm 26.57	75 (50)*	50-100	69.33 \pm 29.23	75 (50)*	50-100	0.9297
	Emotional	59.91 \pm 29.88	62.5 (41.67)*	41.67-83.33	58.67 \pm 26.13	66.67 (33.33)*	41.67-75	0.7056
	Social	48.85 \pm 31.2	50 (33.33)*	33.33-66.67	50.33 \pm 30.95	50 (33.33)	33.33-66.67	0.7833
Global health status		42.82 \pm 18.7	41.67 (25)	33.33-58.33	46.83 \pm 24.1	50 (33.33)	33.33-66.67	0.3321
Symptom Scales	Fatigue	51.72 \pm 27.18	50 (33.33)*	33.33-66.67	44.67 \pm 31.23	33.33 (44.44)*	22.22-66.67	0.1272
	Pain	40.23 \pm 32.9	33.33 (50)*	16.67-66.67	46 \pm 36.04	33.33 (66.67)*	16.67-83.33	0.3976
	Vomiting/nausea	10.34 \pm 17.61	0 (16.67)*	0-16.67	10.33 \pm 16.8	0 (16.67)*	0-16.67	0.9104
Single-item measures	Dyspnoea	21.26 \pm 29.75	0 (33.33)*	0-33.33	16.67 \pm 28.77	0 (33.33)*	0-33.33	0.3225
	Insomnia	39.08 \pm 29.38	33.33 (33.33)*	33.33-66.67	54.67 \pm 36.74	66.67 (66.67)*	33.33-100	0.0212
	Appetite loss	25.29 \pm 30.15	16.67 (33.33)*	0-33.33	29.33 \pm 33.43	33.33 (33.33)*	0-33.33	0.5719

Constipation	26.44±32.9	0 (66.67)*	0-66.67	22.0±29.05	0 (33.33)*	0-33.33	0.5699
Diarrhea	12.07±22.25	0 (33.33)*	0-33.33	24.67±36.77	0 (33.33)*	0-33.33	0.1186
Financial difficulties	33.33±33.62	33.33 (66.67)*	0-66.67	38±37.5	33.33 (66.67)*	0-66.67	0.6011

* The non-distribution based on the Shapiro-Wilk test ($p < 0.05$); Group 1 – individuals living in big city and large town (above 20,000 inhabitants); Group 2 – individuals living in village and small town (up to 20,000 inhabitants).

Supplementary Table S3. Results of the stepwise multiple regression analysis for Sum of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			87.1655	<0.0001
Reduced food consumption	-0.2241	0.0909	-6.5662	0.0153
Patients soliciting nutritional information	-0.2948	0.0909	-9.3159	0.0016

SE – standard error.

Supplementary Table S4. Results of the stepwise multiple regression analysis for Role domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			58.8621	<0.0001
Types of nutrition support	-0.2477	0.0921	-19.3464	0.0083
Patients soliciting nutritional information	0.2250	0.0921	16.7186	0.0162

SE – standard error.

Supplementary Table S5. Results of the stepwise multiple regression analysis for Physical domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			67.4894	<0.0001
Types of nutrition support	-0.215328	0.096654	-12.7611	0.0280
Education level	0.246379	0.096654	7.9930	0.0122

SE – standard error.

Supplementary Table S6. Results of the stepwise multiple regression analysis for Cognitive domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		

Constant			26.1354	0.0137
Seeking consultation with a dietitian	0.2395	0.0899	13.6086	0.0090
Gender	0.3051	0.0899	16.8757	0.0010

SE – standard error.

Supplementary Table S7. Results of the stepwise multiple regression analysis for Emotional domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			1.1593	0.9232
Type of cancer	0.2150	0.0919	6.8570	0.0213
Gender	0.3903	0.0908	21.8807	0.0004
Employment	0.2372	0.0888	3.5552	0.0088

SE – standard error.

Supplementary Table S8. Results of the stepwise multiple regression analysis for Emotional domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			44.4341	0.0002
Types of nutrition support	-0.2139	0.0916	-15.0374	0.0214
Seeking consultation with a dietitian	0.2753	0.0916	18.4128	0.0033

SE – standard error.

Supplementary Table S9. Results of the stepwise multiple regression analysis for Social domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			25.8788	0.0035
Patients soliciting nutritional information	0.2710	0.0935	18.1212	0.0046

SE – standard error.

Supplementary Table S10. Results of the stepwise multiple regression analysis for Fatigue domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			107.9809	<0.0001

Patients soliciting nutritional information	-0.2297	0.0929	-14.4949	0.0150
Gender	-0.2152	0.0922	-12.5436	0.0215
Age	-0.1883	0.0910	-0.3835	0.0411

SE – standard error.

Supplementary Table S11. Results of the stepwise multiple regression analysis for Pain domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			85.2426	<0.0001
Reduced food consumption	-0.2109	0.0931	-14.5068	0.0256
Patients soliciting nutritional information	-0.2207	0.0931	-16.3816	0.0196

SE – standard error.

Supplementary Table S12. Results of the stepwise multiple regression analysis for Vomiting/nausea domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			20.6771	<0.0001
Seeking consultation with a dietitian	-0.2129	0.0949	-7.4930	0.0270

SE – standard error.

Supplementary Table S13. Results of the stepwise multiple regression analysis for dyspnoea domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			34.5833	<0.0001
Reduced food consumption	-0.1825	0.0955	-10.6944	0.0491

SE – standard error.

Supplementary Table S14. Results of the stepwise multiple regression analysis for Insomnia domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			111.3361	<0.0001

Reduced food consumption	-0.2259	0.0906	-15.2714	0.0142
Age	-0.2240	0.0905	-0.5274	0.0150
Place of residence	-0.2078	0.0909	-4.1407	0.0242

SE – standard error.

Supplementary Table S15. Results of the stepwise multiple regression analysis for Appetite loss domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			28.9776	0.0130
Types of nutrition support	0.3403	0.0842	24.4404	0.0001
Reduced food consumption	-0.3562	0.0842	-22.5650	<0.0001

SE – standard error.

Supplementary Table S16. Results of the stepwise multiple regression analysis for Constipation domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			85.9814	0.0001
Weight loss	-0.3428	0.1283	-22.5172	0.0087
Over 10% weight loss	-0.3377	0.1283	-20.9213	0.0097

SE – standard error.

Supplementary Table S17. Results of the stepwise multiple regression analysis for Diarrhea domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			74.4516	<0.0001
Age	-0.2127	0.0935	-0.4507	0.0249
Education level	-0.2217	0.1016	-8.3746	0.0312
Place of residence	-0.2907	0.0999	-5.2130	0.0044

SE – standard error.

Supplementary Table S18. Results of the stepwise multiple regression analysis for Financial difficulties domain of scale of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			39.8516	0.0008
Patients soliciting nutritional information	-0.2135	0.0905	-16.3517	0.0202
BMI	-0.2177	0.0909	-0.2618	0.0184
Economic situation	0.3614	0.0906	10.0046	0.0001

SE – standard error; BMI – Body mass index.

Supplementary Table S19. Results of the stepwise multiple regression analysis for Global Health Status (QoL) of EORTC QLQ-C30 (n=108).

	Unstandardized coefficients		Standardized coefficients β	p
	β	SE		
Constant			17.7611	0.0856
Types of nutrition support	-0.1930	0.0878	-9.3647	0.0301
Reduced food consumption	0.1857	0.0889	7.9463	0.0391
Patients soliciting nutritional information	0.2156	0.0912	9.9523	0.02000
Gender	0.2282	0.0921	9.731	0.0149

SE – standard error.