

**S2 Table.** Change in quality of life during first-line palliative chemotherapy

Variable	Baseline (n=527)		3 Months (nj=330)		6 Months (n=168)		9 Months (n=86)		12 Months (n=33)		Best (n=330)		Wilcoxon signed-rank test p-value					
	No.	Mean±SD	No.	Mean±SD	No.	Mean ±SD	No.	Mean ±SD	No.	Mean ±SD	No.	Mean±SD	bs-3m	bs-6m	bs-9m	bs-12m	bs-best	
<b>QLQ-C30</b>																		
Physical functioning	501	75.95±18.16	281	73.14±20.31	127	69.50±20.89	53	69.69±21.39	25	73.07±24.38	286	75.99±19.24	<0.001	<0.001	<0.001	0.047	0.445	
Role functioning	501	73.95±26.11	281	69.69±28.48	127	64.04±26.93	53	67.30±27.34	25	74.00±30.46	286	73.43±27.48	<0.001	<0.001	0.005	0.378	0.134	
Emotional functioning	501	73.37±22.18	281	77.14±21.77	127	76.77±22.70	53	68.71±24.73	25	72.33±28.84	286	80.48±20.62	0.016	0.205	0.075	0.182	<0.001	
Cognitive functioning	501	84.23±18.58	281	82.62±21.35	127	77.95±22.51	53	74.21±23.92	25	77.33±24.00	286	84.50±19.66	0.017	<0.001	<0.001	0.003	0.804	
Social functioning	501	68.10±29.66	281	67.32±28.50	127	65.62±27.28	53	64.47±27.55	25	68.67±35.46	286	73.37±26.28	0.422	0.329	0.007	0.145	0.004	
Global health status/QOL	501	49.00±23.82	281	54.39±21.66	127	52.82±23.72	53	50.94±18.75	25	54.33±22.45	286	58.22±22.28	0.031	0.727	0.663	0.773	<0.001	
Fatigue	501	37.72±24.44	281	38.20±22.76	127	39.72±24.23	53	41.72±23.66	25	41.78±21.58	286	33.92±22.01	0.199	0.292	0.018	0.039	0.114	
Nausea and vomiting	501	18.36±24.13	281	19.16±21.40	127	19.29±23.80	53	18.24±21.25	25	14.00±12.44	286	15.44±20.51	0.044	0.815	0.393	0.267	0.777	
Pain	501	26.95±26.27	281	21.06±25.52	127	25.72±28.54	53	29.87±30.72	25	22.67±30.76	286	18.36±24.10	0.110	0.115	0.009	0.040	<0.001	
Dyspnea	501	18.23±23.67	281	18.98±24.95	127	26.25±28.06	53	21.38±27.81	25	17.33±23.80	286	15.97±23.48	<0.001	<0.001	0.713	0.269	0.006	
Insomnia	501	25.35±29.71	281	22.42±28.44	127	22.57±29.36	53	28.93±29.26	25	17.33±23.80	286	17.60±26.29	0.329	0.065	<0.001	0.533	<0.001	
Appetite loss	501	38.46±35.12	281	35.11±32.01	127	33.60±31.29	53	33.96±29.59	25	29.33±30.91	286	28.44±30.32	0.998	0.319	0.148	1.000	0.008	
Constipation	501	23.69±30.00	281	20.76±28.59	127	21.00±27.79	53	28.93±32.05	25	26.67±31.91	286	15.62±24.28	0.188	0.125	0.200	0.855	<0.001	
Diarrhea	501	17.37±24.72	281	15.90±22.90	127	17.32±25.15	53	18.87±24.90	25	20.00±25.46	286	11.77±20.65	0.009	0.604	0.279	0.137	0.766	
Financial difficulties	501	33.13±32.56	281	32.27±30.78	127	34.65±31.54	53	35.85±27.62	25	30.67±33.22	286	28.09±29.41	0.923	0.603	0.060	0.269	0.020	
<b>QLQ-STO22</b>																		
Dysphagia	501	17.14±19.62	281	15.58±16.39	127	17.76±18.90	53	20.96±19.33	25	19.56±16.75	286	12.82±15.34	0.420	0.203	0.020	0.235	0.061	
Pain	501	28.93±21.42	281	21.62±19.55	127	21.78±19.47	53	25.16±19.44	25	23.00±18.98	286	18.12±18.74	<0.001	0.077	0.075	0.102	<0.001	
Reflux symptoms	501	19.69±20.12	281	16.33±18.64	127	15.66±19.72	53	16.98±20.28	25	11.11±13.61	286	13.48±18.14	0.033	0.932	0.137	0.315	<0.001	
Eating restrictions	501	25.82±21.93	281	22.15±20.08	127	23.16±19.27	53	22.48±18.68	25	21.33±21.12	286	18.56±19.13	0.012	0.559	0.521	0.715	<0.001	
Anxiety	501	43.49±25.29	281	40.89±25.03	127	42.17±25.40	53	44.23±22.49	25	44.00±24.53	286	36.71±23.84	0.546	0.289	0.033	0.515	0.002	
Dry mouth	501	30.81±29.86	281	32.38±30.06	127	26.77±28.50	53	37.11±31.12	25	28.00±28.35	286	25.06±27.60	0.325	0.431	0.080	1.000	0.010	
Taste	501	24.68±29.07	281	28.47±30.93	127	26.51±26.00	53	31.45±30.25	25	32.00±29.63	286	20.98±27.12	0.101	0.398	0.774	0.285	0.056	
Body image	501	37.46±33.21	281	41.40±32.34	127	38.06±28.71	53	39.62±30.00	25	44.00±35.64	286	34.62±30.63	0.014	0.921	0.042	0.258	0.401	
Hair loss	112	44.05±32.94	146	37.67±34.19	66	43.43±34.58	27	46.91±37.28	14	50.00±40.82	173	33.14±31.23	0.116	0.213	0.250	0.500	0.016	

SD, standard deviation; QOL, quality of life; bs, baseline.