

Supplementary Material

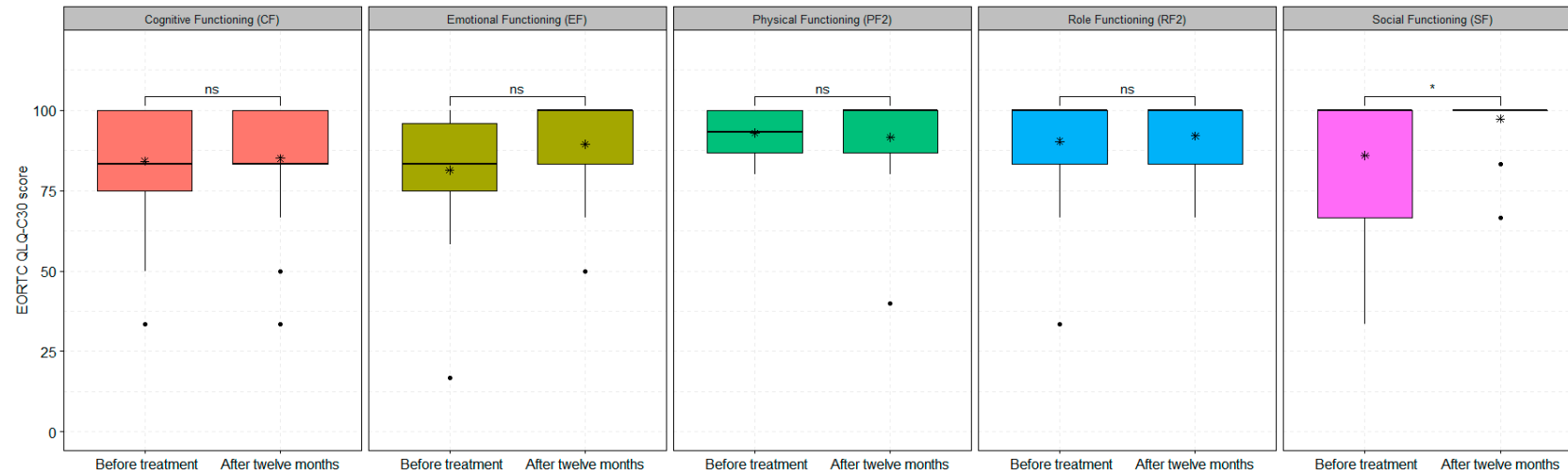


Figure S1. The functional scale scores of 19 patients treated with curative RCT and superficial HT before and twelve months after treatment for: CF (84.21 ± 19.62 vs 85.08 ± 19.16 , p-value=0.91), EF (81.43 ± 20.26 vs 89.47 ± 14.39 , p-value=0.13), PF2 (92.98 ± 8.15 vs 91.57 ± 14.7 , p-value=0.74), RF2 (90.35 ± 16.95 vs 92.10 ± 12.87 , p-value=0.83), SF (85.96 ± 20.98 vs 97.36 ± 8.35 , p-value=0.048). The asterisks (*) represent the mean values; ns: non-significant with p-value > 0.05; *: significant with p-value < 0.05;

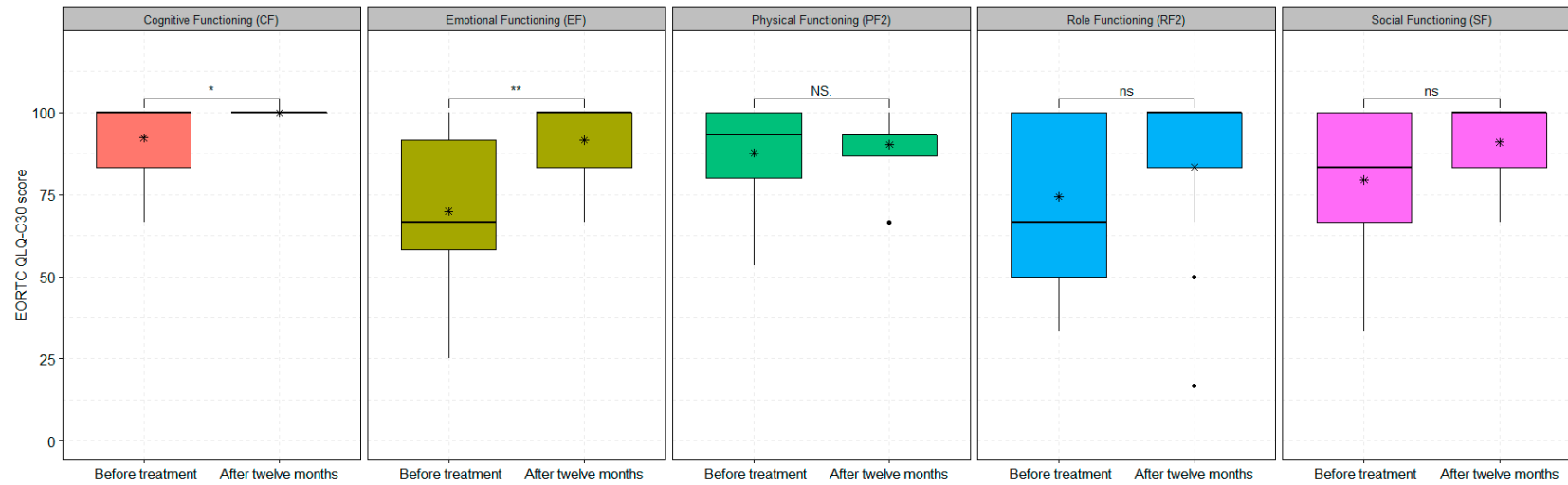


Figure S2. The functional scale scores of 13 patients treated with curative RCT and deep regional HT before and twelve months after treatment for: CF (92.30 ± 11.01 vs 100 ± 0.0 , $p=0.017$), EF (69.87 ± 23.20 vs 91.66 ± 12.72 , $p=0.008$), PF2 (87.69 ± 15.11 vs 90.25 ± 8.86 , $p\text{-value}=1$), RF2 (74.35 ± 24.16 vs 83.33 ± 25.45 , $p\text{-value}=0.3$), SF (79.48 ± 20.58 vs 91.02 ± 14.61 , $p\text{-value}=0.1$). The asterisks (*) represent the mean values; NS: $p\text{-value}=1$; ns: non-significant with $p\text{-value} > 0.05$; *: significant with $p\text{-value} < 0.05$; **: significant with $p\text{-value} < 0.01$;

Table S1. A comparison of functional scale items of patients treated with curative RCT in combination with HT 12 months after treatment and the EORTC general population.

Functional scales items		Mean	SD	Mean ref.	SD ref.	p-value
Cognitive Functioning	CF	91.1	16.4	82.6	21.9	0.064
Emotional Functioning	EF	90.4	13.6	71.4	24.2	0.0003
Physical Functioning	PF2	91.0	12.5	76.7	23.2	0.0034
Role Functioning	RF2	88.5	19.1	70.5	32.8	0.009
Social functioning	SF	94.8	11.5	75.0	29.1	0.0009

Table S2. A comparison of functional scales items of patients treated with palliative RCT in combination with HT three months after treatment and the EORTC general population.

Functional scales items		Mean	SD	Mean ref.	SD ref.	p-value
Cognitive Functioning	CF	85.1	16.3	82.6	21.9	0.723
Emotional Functioning	EF	78.1	19.4	71.4	24.2	0.177
Physical Functioning	PF2	77.2	23.7	76.7	23.2	0.815
Role Functioning	RF2	72.8	31.8	70.5	32.8	0.588
Social functioning	SF	72.8	28.6	75.0	29.1	1.00

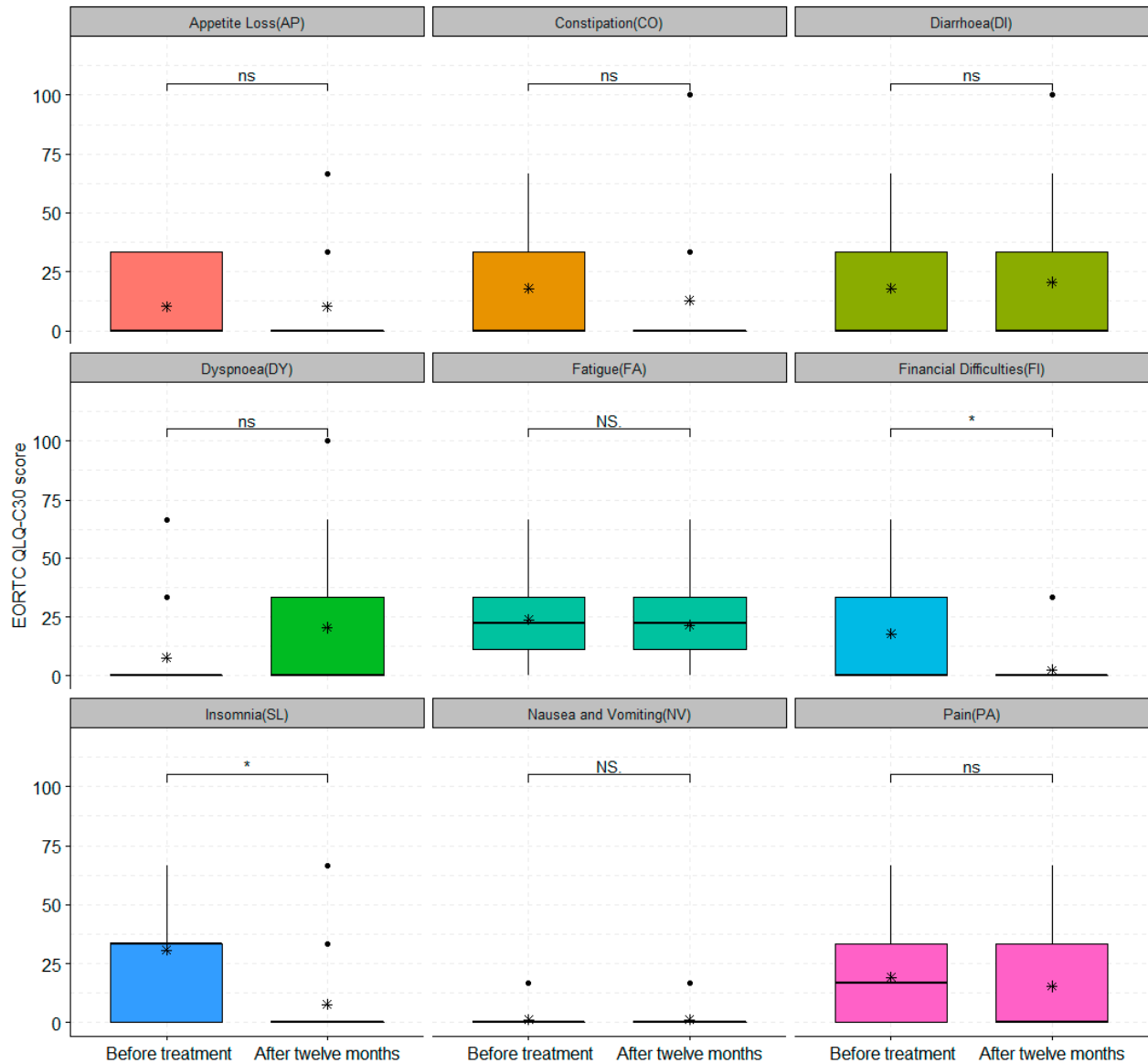


Figure S3. The symptom scale scores of 13 patients treated with curative RCT and deep regional HT before and after treatment for: AP (10.25 ± 16.01 vs 10.25 ± 21.01 , p-value=0.79), CO (17.94 ± 22 vs 12.82 ± 28.99 , p-value=0.3), DI (17.94 ± 22.01 vs 20.51 ± 32.02 , p-value=0.91), DY (7.69 ± 19.97 vs 20.51 ± 32.02 , p-value=0.21), FA (23.93 ± 22.61 vs 21.36 ± 18.40 , p-value=1.00), FI (17.94 ± 22 vs 2.56 ± 9.24 , p-value = 0.031), NV (1.28 ± 4.62 vs 1.28 ± 4.62 , p-value=1.00), PA (19.23 ± 20.23 vs 15.38 ± 23.03 , p-value=0.47), SL (30.76 ± 25.31 vs 7.69 ± 19.97 , p-value=0.012); The asterisks (*) represent the mean values; NS: p-value =1; ns: non-significant with p-value > 0.05; *: significant with p-value < 0.05;

Table S3. A comparison of symptom scale items of patients treated with curative RCT in combination with HT twelve months after treatment and the EORTC general population.

Symptom Scales items		Mean	SD	Mean ref.	SD ref.	p-value
Appetite loss	AP	4.2	14.0	21.1	31.9	0.006
Constipation	CO	4.2	14	17.5	28.4	0.017
Diarrhoea	DI	10.4	23.1	9	20.3	0.791
Dyspnoea	DY	14.6	26.6	21	28.4	0.344
Fatigue	FA	19.8	19.5	34.6	27.8	0.013
Financial difficulties	FI	2.1	8.2	16.3	28.1	0.006
Nausea and vomiting	NV	0.5	2.9	9.1	19	0.012
Pain	PA	15.1	20.8	27	29.9	0.062
Insomnia	SL	12.5	20.3	28.9	31.9	0.009

Table S4. A comparison of functional scales items of patients treated with palliative RCT in combination with HT three months after treatment and the EORTC general population.

Symptom Scales items		Mean	SD	Mean ref.	SD ref.	p-value
Appetite loss	AP	23.3	32.9	21.1	31.9	0.783
Constipation	CO	16.6	28.7	17.5	28.4	0.907
Diarrhoea	DI	17.7	29.9	9	20.3	0.180
Dyspnoea	DY	18.8	24.2	21	28.4	0.747
Fatigue	FA	33.3	24.4	34.6	27.8	0.845
Financial difficulties	FI	10	23.4	16.3	28.1	0.327
Nausea and vomiting	NV	13.3	23.7	9.1	19	0.435
Pain	PA	24.4	25.0	27	29.9	0.708
Insomnia	SL	24.4	31.4	28.9	31.9	0.559