

Table S1. Laboratory findings in right colon, left colon and rectal primary tumor location

		Total		Right colon		Left colon		Rectum		P-value*
		N=1080	100 %	310	29 %	396	37 %	374	35 %	
Haemoglobin	≥11 g/dL	917	83 %	233	74 %	344	86 %	340	87 %	<0.001
	<11 g/dL	193	17 %	84	26 %	58	14 %	51	13 %	
Leucocytes	≤10 ^9/L	919	83 %	261	82 %	332	83 %	326	83 %	0.927
	>10 ^9/L	191	17 %	56	18 %	70	17 %	65	17 %	
Thrombocytes	≤400 ^9/L	813	73 %	227	72 %	287	71 %	299	76 %	0.201
	>400 ^9/L	297	27 %	90	28 %	115	29 %	92	24 %	
Neutrophils	≤6.7 ^9/L	836	84 %	244	85 %	305	83 %	287	83 %	0.726
	>6.7 ^9/L	164	16 %	43	15 %	61	17 %	60	17 %	
C-reactive protein	≤10 mg/L	489	54 %	149	56 %	170	52 %	170	54 %	0.581
	>10 mg/L	417	46 %	117	44 %	158	48 %	142	46 %	
Albumin	≥30 g/L	544	84 %	166	83 %	206	84 %	172	83 %	0.922
	<30 g/L	106	16 %	33	17 %	38	16 %	35	17 %	
Estimated glomerular filtration rate	≥90 ml/min/1.73m2	484	44 %	126	40 %	194	49 %	164	43 %	0.076
	60-89 ml/min/1.73m2	433	40 %	123	39 %	145	37 %	165	43 %	
	30-59 ml/min/1.73m2	170	16 %	63	20 %	54	14 %	53	14 %	
	<30 ml/min/1.73m2	5	0 %	1	0 %	2	1 %	2	1 %	
Alkaline phosphatase	≤105 U/L	720	66 %	201	64 %	249	62 %	270	70 %	0.065
	>105 U/L	379	34 %	112	36 %	151	38 %	116	30 %	
Alanine amino transferase	Under upper limit of normal	895	83 %	253	82 %	325	82 %	317	84 %	0.600
	Over upper limit of normal	187	17 %	56	18 %	72	18 %	59	16 %	
Hyperbilirubinemia	≤25 µmol/L	884	85 %	247	83 %	329	86 %	308	85 %	0.671
	>25 µmol/L	157	15 %	49	17 %	54	14 %	54	15 %	
Carcinoembyonic antigen	≤5 µ/L	316	29 %	102	33 %	105	27 %	109	29 %	0.194
	>5 µ/L	773	71 %	210	67 %	291	73 %	272	71 %	
Cancer antigen 19-9	≤26 kU/L	297	46 %	85	42 %	102	44 %	110	51 %	0.134
	>26 kU/L	350	54 %	116	58 %	130	56 %	104	49 %	

* Crosstabs was calculated for right colon vs left colon vs rectum and all alternatives with percentages presented for each demographic factor

Table S2. Univariable and multivariable Cox regression model for overall survival using only baseline factors

		N	Univariable			Multivariable		
			HR	95% CI	p-value	HR	95% CI	p-value
Age		1080	1.02	1.01-1.02	<0.001	1.00	0.99-1.01	0.616
Primary tumor location	Right colon	310	1			1		
	Left colon	396	0.57	0.47-0.68	<0.001	0.69	0.57-0.83	<0.001
	Rectum	374	0.61	0.51-0.73	<0.001	0.63	0.51-0.76	<0.001
Number of metastatic sites	1	582	1			1		
	2	317	1.86	1.58-2.19	<0.001	1.23	1.04-1.47	0.018
	3-5	181	2.62	2.16-3.17	<0.001	1.62	1.32-1.97	<0.001
ECOG Performance status	0	294	1			1		
	1	598	1.77	1.47-2.13	<0.001	1.56	1.30-1.88	<0.001
	2-3	188	3.72	2.98-4.65	<0.001	2.78	2.20-3.50	<0.001
Upfront resectability	Upfront resectable	309	1			1		
	Borderline resectable	179	1.43	1.11-1.86	<0.001	1.29	0.99-1.68	0.058
	Un-resectable	592	4.65	3.82-5.67	<0.001	3.53	2.85-4.37	<0.001
Mutation groups	<i>RAS</i> & <i>BRAF</i> wt	354	1			1		
	<i>RAS</i> mt	553	1.46	1.23-1.73	<0.001	1.22	1.03-1.45	0.021
	<i>BRAF</i> -V600E mt	99	3.13	2.42-4.04	<0.001	1.85	1.44-2.39	<0.001
	(<i>K</i>) <i>RAS</i> wt	59	2.96	2.19-4.00	<0.001	2.01	1.50-2.69	<0.001
	Not tested	15	2.48	1.38-4.44	0.002	2.38	1.32-4.28	0.004
MMR-status	pMMR	410	1			1		
	dMMR	14	1.06	0.55-2.07	0.857	0.86	0.46-1.59	0.620
	Not tested	656	1.35	1.16-1.57	<0.001	1.08	0.93-1.27	0.321

dMMR=deficient mismatch repair, ECOG=European Cooperative Oncology Group, LAT=local ablative therapy,

MMR=mismatch repair, pMMR=proficient mismatch repair

Table S3. Health-related quality of life indexes in different treatment phases according to primary tumor location

		Right colon		Left colon		Rectum	
		Mean	SD	Mean	SD	Mean	SD
Post-resection	15D index	0.86	0.10	0.85	0.10	0.91	0.06
	EQ-5D index	0.76	0.20	0.83	0.13	0.90	0.13
	EQ-5D VAS	69	15	73	16	80	10
	Global health status	73	22	74	20	78	15
Remission	15D index	0.91	0.08	0.90	0.08	0.89	0.11
	EQ-5D index	0.87	0.13	0.87	0.13	0.88	0.13
	EQ-5D VAS	76	15	79	14	79	13
	Global health status	77	16	77	19	76	17
Systemic therapy	15D index	0.86	0.09	0.87	0.09	0.86	0.09
	EQ-5D index	0.80	0.17	0.81	0.16	0.81	0.16
	EQ-5D VAS	69	15	71	16	69	15
	Global health status	66	20	69	16	68	17
Best supportive care	15D index	0.73	0.10	0.80	0.12	0.72	0.13
	EQ-5D index	0.61	0.28	0.71	0.21	0.59	0.35
	EQ-5D VAS	55	21	55	18	58	19
	Global health status	45	25	57	20	55	19

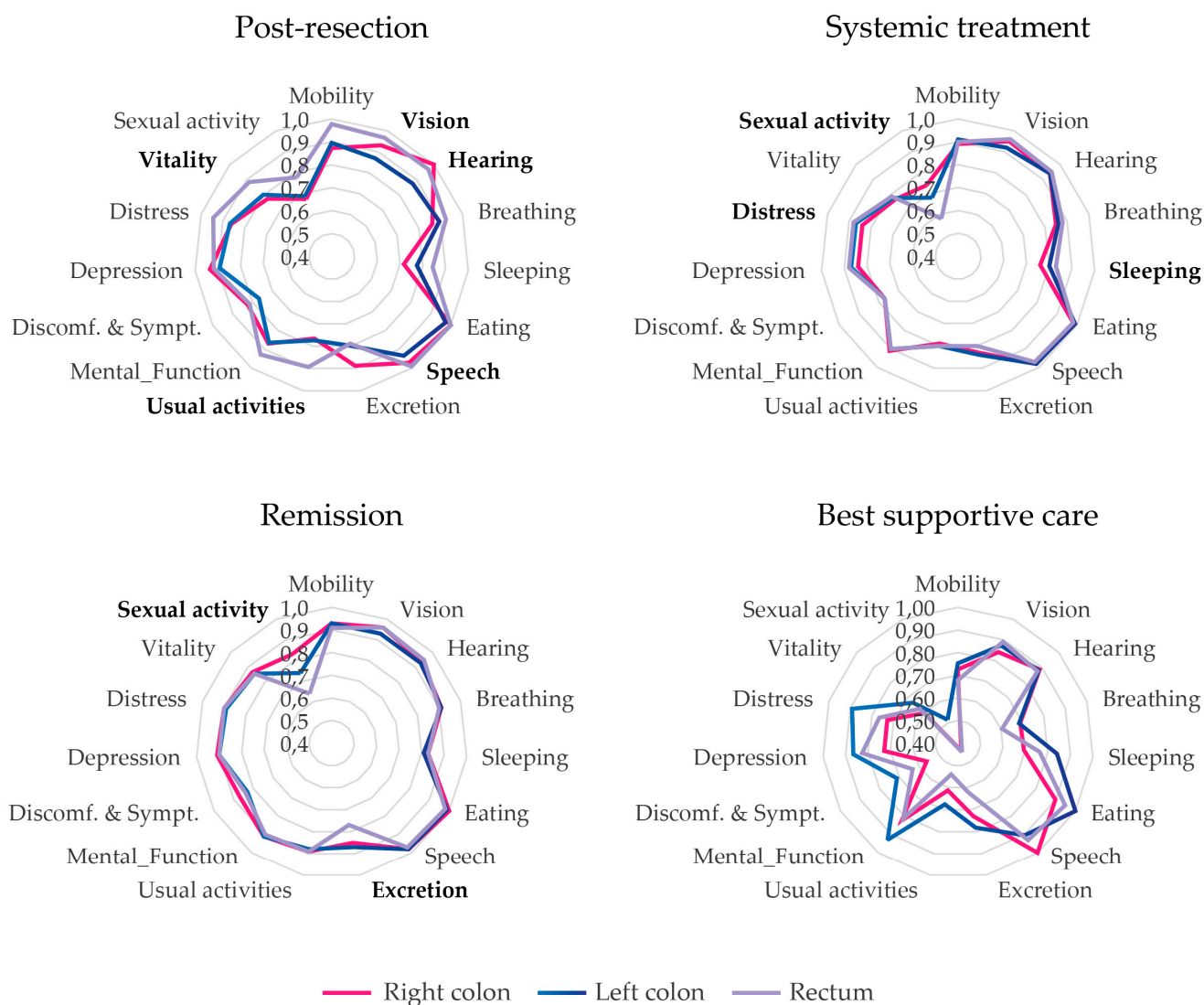


Figure S1. The mean 15D dimensions in different treatment phases for right colon, left colon, and rectal primary tumor location