

# Preoperative intensity-modulated chemoradiotherapy with simultaneous integrated boost in rectal cancer: five-year follow-up results of a phase II study

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**SUPPLEMENTARY TABLE 1.** Health-related quality of life analysis: Mean scores comparisons before and 5 years after surgery for all scales of EORTC QLQ-C30 and EORTC QLQ-CR29

Item	No.	Before treatment mean (SD)	No.	5-year post OP mean (SD)	p
<b>EORTC QLQ-C30</b>					
Global health status/QoL	31	57.0 (18.8)	31	60.8 (26.1)	0.384
<b>Functional scales</b>					
Physical Function	31	83.0 (18.9)	31	78.9 (24.5)	0.176
Role Function	31	80.6 (26.9)	31	77.4 (26.0)	0.349
Emotional Function	31	73.1 (18.6)	31	74.7 (25.0)	0.576
Cognitive Function	31	85.5 (19.1)	31	78.0 (24.5)	<b>0.064</b>
Social Function	31	83.3 (18.8)	31	78.5 (24.8)	0.353
<b>Symptom scales</b>					
Fatigue	31	28.0 (22.0)	31	29.4 (23.2)	0.601
Nausea / vomiting	31	4.8 (7.7)	31	6.5 (10.3)	0.590
Pain	31	19.4 (20.7)	31	21.0 (23.2)	0.725
Dyspnoea	31	4.3 (11.4)	31	10.8 (23.4)	0.266
Insomnia	31	32.3 (27.9)	31	30.1 (30.3)	0.633
Appetite loss	31	10.8 (18.0)	31	12.9 (22.2)	0.745
Constipation	31	17.2 (27.0)	31	20.4 (26.8)	0.729
Diarrhoea	31	28.0 (31.1)	31	16.1 (22.6)	<b>0.059</b>
Financial problems	31	16.1 (22.6)	31	22.6 (29.0)	0.186
<b>EORTC QLQ-C29</b>					
Urinary frequency	31	32.8 (22.6)	31	33.3 (23.6)	1.000
Blood and mucus in stool	31	33.9 (23.0)	31	4.3 (8.6)	<b>0.000</b>
Body image	31	12.2 (15.8)	31	21.9 (20.8)	<b>0.008</b>
Defecation/stoma problems	31	20.1 (17.7)	30	25.6 (20.1)	0.236
Urinary incontinence	31	7.5 (16.6)	31	21.5 (30.5)	<b>0.008</b>
Dysuria	31	7.5 (14.2)	31	9.7 (15.4)	0.774
Abdominal pain	31	15.1 (22.5)	31	17.2 (22.6)	0.774
Buttock pain	31	29.0 (28.2)	31	17.2 (22.6)	<b>0.080</b>
Bloated feeling	31	29.0 (22.3)	31	28.0 (24.5)	1.000
Dry mouth	31	17.2 (22.6)	31	21.5 (26.6)	0.502
Hair loss	31	0.0 (0.0)	31	7.5 (16.6)	<b>0.031</b>
Trouble with taste	31	5.4 (12.5)	31	7.5 (16.6)	0.766
Anxiety	31	67.7 (30.4)	30	42.2 (31.5)	<b>0.005</b>
Weight	31	29.0 (26.9)	31	28.0 (28.7)	0.987
Flatulence	31	28.0 (27.3)	30	30.0 (22.1)	0.860
Faecal incontinence/leakage	31	12.9 (18.6)	30	26.7 (26.8)	<b>0.047</b>
Sore skin around stoma/anal area	31	18.3 (24.1)	30	16.7 (22.7)	0.856

Item	No.	Before treatment mean (SD)	No.	5-year post OP mean (SD)	p
Stool frequency/bags change	31	22.0 (22.1)	30	25.0 (23.9)	0.636
Embarrassed by stoma/bowel movement	31	17.2 (22.6)	30	30.0 (30.8)	0.100
Defecation problems	31	20.1 (17.7)	30	25.6 (20.1)	0.236
Stoma care problems	4	75.0 (16.7)	10	10.0 (22.5)	0.500
Sexual functioning (male)	15	35.6 (26.6)	16	25.0 (22.8)	0.188
Impotence	15	33.3 (28.2)	15	37.8 (39.6)	0.625
Sexual functioning (female)	15	8.9 (15.3)	14	14.3 (17.1)	0.500
Dyspareunia	15	4.4 (11.7)	14	7.1 (19.3)	1.000