

Supplemental Online Content

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eTable 1. Treatment-related toxic effects

eTable 2. EORTC QLQ-HN35 symptom scales

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This supplemental material has been provided by the authors to give readers additional information about their work.

eTable 1. Treatment-related toxic effects

Toxicity type:	Grade 3	Grade 4	Grade 5
Anemia	–	–	–
Blood and lymphatic system disorders – other, specify	–	–	–
Febrile neutropenia	–	–	–
Tinnitus, Ototoxicity	5	–	–
Constipation	–	–	–
Diarrhea	1	–	–
Dry mouth	–	–	–
Dysphagia	–	–	–
Esophagitis	–	–	–
Gastrointestinal disorders – other, specify	–	–	–
Mucositis (oral)	–	–	–
Nausea	–	–	–
Oral hemorrhage	–	–	–
Oral pain	–	–	–
Vomiting	–	–	–
Fatigue	–	–	–
Fever	–	–	–
Hypersensitivity reaction	1	–	–
Pain	–	–	–
Sepsis	–	–	–
Skin infection	–	–	–
Upper respiratory infection	–	–	–
Lung infection	–	–	–
Dermatitis radiation	–	–	–
Investigations – other, specify	–	–	–
Neutrophil count decreased	–	–	–
Platelet count decreased	–	–	–
Weight loss	–	–	–
Anorexia	–	–	–
Dehydration	–	–	–
Neuralgia	–	–	–
Syncope	–	–	–
Acute kidney injury	–	–	–
Pleural effusion	–	–	–
Respiratory failure	–	–	–
Respiratory, thoracic, and mediastinal disorders – other, specify	–	–	–
Sore throat	–	–	–
Laryngeal mucositis	–	–	–
Pharyngeal mucositis	–	–	–
Hypertension	–	–	–
Hypotension	–	–	–
TORS related			
Post-operative hemorrhage	3	1	–
Chyle leak	2	–	–
Scar, keloid	1	–	–
Intraoperative hypotension	1	–	–

eTable 2. EORTC QLQ-HN35 symptom scales

	Baseline (SD) [n]	1 month (SD) [n]	3 months (SD) [n]	6 months (SD) [n]	12 months (SD) [n]	18 months (SD) [n]	24 months (SD) [n]	Mean difference* (baseline to 24 months)	95% CI
Coughing	17.7 (25.6) [66]	21.7 (25.7) [40]	22.0 (26.7) [59]	17.2 (27.1) [58]	12.6 (20.9) [53]	11.6 (17.5) [46]	6.14 (15.2) [38]	-11.11	[-18.71, -3.48]
Dry mouth	17.2 (24.3) [66]	15.8 (25.0) [40]	17.5 (22.6) [59]	11.5 (23.3) [58]	14.5 (27.4) [53]	13.0 (21.6) [46]	16.7 (27.7) [38]	-2.02	[-10.86, 6.82]
Feeding tube	0 (0) [66]	5.0 (22.1) [40]	5.08 (22.2) [59]	5.17 (22.3) [58]	0 (0) [53]	0 (0) [46]	0 (0) [38]	0	-
Felt ill	10.1 (22.6) [66]	8.55 (14.7) [39]	7.91 (15.6) [59]	7.47 (15.3) [58]	4.4 (11.4) [53]	7.25 (13.9) [46]	3.51 (10.4) [38]	-7.07	[-15.82, 1.67]
Sexuality	23.7 (34.9) [64]	26.1 (40.8) [39]	18.6 (31.4) [59]	17.0 (28.7) [58]	12.9 (29.0) [53]	5.07 (26.5) [46]	11.8 (26.0) [38]	-15.15	[-25.43, -4.88]
Nutritional supplement	19.7 (40.1) [66]	32.5 (47.4) [40]	23.7 (42.9) [59]	15.5 (36.5) [58]	17.0 (37.9) [53]	13.0 (34.1) [46]	10.5 (31.1) [38]	-15.15	[-33.15, 2.84]
Mouth opening	3.54 (11.9) [66]	25.0 (28.0) [40]	10.2 (16.7) [59]	5.75 (16.7) [58]	1.89 (7.78) [53]	2.17 (8.32) [46]	4.39 (11.4) [38]	0	[-6.61, 6.61]
Pain	14.9 (18.9) [66]	26.8 (22.9) [40]	17.8 (20.2) [59]	11.2 (14.6) [58]	8.49 (11.8) [53]	8.33 (14.6) [46]	4.28 (9.34) [37]	-10.61	[-17.23, -3.99]
Pain killer use	31.8 (46.9) [66]	37.5 (49.0) [40]	28.8 (49.3) [59]	29.3 (49.9) [58]	18.9 (44.1) [53]	17.4 (38.3) [46]	13.2 (34.3) [38]	-24.24	[-46.01, -2.47]
Senses problems	6.57 (19.4) [66]	12.5 (16.3) [40]	11.6 (16.2) [59]	12.9 (19.0) [58]	7.86 (18.4) [53]	1.81 (12.8) [46]	4.82 (10.9) [38]	-6.06	[-14.90, 2.78]
Speech problems	6.82 (19.4) [66]	12.5 (16.3) [40]	11.6 (16.2) [59]	12.9 (19.0) [58]	7.55 (18.7) [53]	1.81 (12.8) [46]	4.82 (10.9) [38]	-6.57	[-15.30, 2.17]
Sticky saliva	9.09 (22.3) [66]	25.8 (30.7) [40]	15.3 (20.8) [59]	12.9 (25.9) [58]	11.3 (21.6) [53]	14.5 (27.8) [46]	15.7 (28.7) [38]	7.07	[-1.16, 15.30]
Swallowing	6.82 (14.7) [66]	16.9 (20.4) [40]	11.6 (15.3) [59]	9.49 (13.7) [58]	8.81 (16.9) [53]	7.25 (11.6) [46]	4.17 (7.93) [38]	-2.78	[-7.98, 2.43]
Teeth	4.55 (16.4) [66]	4.17 (13.5) [40]	3.95 (12.5) [59]	2.87 (9.44) [58]	5.66 (12.6) [53]	5.80 (12.8) [46]	3.51 (10.4) [38]	2.02	[-3.85, 7.89]
Social contact	4.55 (11.8) [66]	7.12 (11.8) [40]	6.1 (10.9) [59]	5.63 (14.4) [58]	2.77 (8.31) [53]	2.46 (6.65) [46]	3.38 (9.29) [38]	-1.16	[-4.49, 2.17]
Social eating	4.55 (13.8) [66]	12.3 (12.1) [40]	11.2 (14.3) [59]	6.03 (13.8) [58]	4.87 (12.2) [53]	5.25 (11.3) [46]	2.41 (6.69) [38]	-2.02	[-5.41, 1.37]
Weight gain	10.8 (31.2) [65]	30.0 (46.4) [40]	23.7 (42.9) [59]	22.8 (42.3) [57]	15.1 (36.1) [53]	22.2 (42.0) [45]	24.3 (43.5) [37]	15.15	[-2.84, 33.15]
Weight loss	12.1 (32.9) [66]	15.0 (36.2) [40]	23.7 (42.9) [59]	12.1 (32.9) [58]	3.77 (19.2) [53]	2.17 (14.7) [46]	0 (0) [37]	-15.15	[-28.06, -2.24]

*37 patients were included in the analyses with paired data.

eFigure. Decision regret scale

