Supplementary table 1. Mean values (SD) (95% CI) for EORTC QLQ-C30 and EORTC QLQ-H&N35 scores pre-treatment and follow-up including p-values and effect sizes for changes at follow-up compared to baseline (n=39).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Pre-RT | Post-RT | 6 months  post-RT | 12 months  post-RT | Overall change between all visits (p-value) |
| EORTC C30: Functional scales | | | | | |
| Physical  p\* /ES† | 87.4 (15.6)  (82.3-92.4) | 79.8 (18.2)  (73.9-85.7)  0.007/0.49 | 85.1 (14.6)  (80.4-89.9)  0.31/0.18 | 82.1 (18.8)  (76.0-88.1)  0.02/0.38 | 0.016 |
| Emotional  p\* /ES† | 73.9 (21.1)  (67.1-80.8) | 78.8 (19.7)  (72.5-85.2)  0.09/0.28 | 83.2 (18.9)  (77.1-89.3)  0.005/0.44 | 85.7†† (17.5)  (80.0-91.4)  <0.001/0.61 | <0.001 |
| Role  p\* /ES† | 81.2 (23.3)  (73.6-88.8) | 80.3 (21.2)  (73.5-87.2)  -/0.04 | 85.5 (18.8)  (79.4-91.6)  -/0.19 | 85.5 (21.0)  (78.7-92.3)  -/0.22 | 0.36 |
| Social  p\* /ES† | 85.0 (19.0)  (78.9-91.2) | 77.4 (26.9)  (68.6-86.1)  -/0.33 | 85.0 (19.8)  (78.6-91.5)  -/0.0 | 86.8 (19.6)  (80.4-93.1)  -/0.09 | 0.11 |
| EORTC C30 Symptom scales | | | | | |
| Fatigue  p\* /ES† | 18.8 (19.3)  (12.6-25.1) | 35.3†† (26.1) (26.9-43.8)  <0.001/0.61 | 22.8 (19.6)  (16.4-29.1)  0.30/0.20 | 22.8 (23.8)  (15.1-30.5)  0.26/0.20 | 0.004 |
| EORTC H&N 35 Symptom scales and single items | | | | | |
| Pain  p\* /ES† | 10.5 (16.0)  (5.3-15.6) | 15.8 (20.5)  (9.2-22.5)  -/0.24 | 11.3 (15.8)  (6.2-16.5)  -/0.04 | 7.7 (11.4)  (4.0-11.4)  -/0.22 | 0.18 |
| Social contact  p\* /ES† | 10.1 (15.1)  (5.2-15.0) | 9.2 (13.4)  (4.9-13.6)  -/0.06 | 8.7 (11.1)  (5.1-12.3)  -/0.09 | 8.6 (11.1)  (4.9-12.2)  -/0.11 | 0.84 |
| Speech  p\* /ES† | 35.6 (22.1)  (28.4-42.8) | 28.5 (22.0)  (21.3-35.6)  -/0.24 | 31.9 (24.2)  (24.1-39.8)  -/0.12 | 27.6 (21.6)  (20.6-34.6)  -/0.27 | 0.17 |
| Dry mouth  p\* /ES† | 21.4 (28.1)  (12.3-30.5) | 38.5†† (37.1)  (26.4-50.5)  <0.001/0.60 | 33.3†† (33.3)  (22.5-44.1)  0.015/0.38 | 35.0†† (33.3)  (24.3-45.8)  0.005/0.46 | 0.001 |
| Sticky saliva  p\* /ES† | 20.5 (24.9)  (12.4-28.6) | 42.7†† (30.5)  (32.8-52.6)  <0.001/0.58 | 34.2†† (32.0)  (23.8-44.6)  0.030/0.38 | 38.5†† (34.7)  (27.2-49.7)  0.003/0.46 | 0.010 |
| Coughing  p\* /ES† | 33.3 (28.6)  (24.1-42.6) | 43.6†† (29.8)  (33.9-53.2)  -/0.29 | 33.3 (28.6)  (24.1-42.6)  -/0.0 | 39.3 (29.5)  (29.8-48.9)  -/0.17 | 0.33 |
| RT = Radiotherapy, CI = Confidence intervals, SD = Standard deviation, ES = effect size, ns = not significant. Scores range from 0 -100. Higher scores in the function scales indicate better function, whereas higher scores in symptom scales and single item indicate increased symptom burden.  P-value calculated using Friedman test, detecting differences in scores across multiple time points.  \*p-value for post-hoc analyses using Wilcoxon Signed Rank test calculated for change compared to baseline, where Friedman test showed significance.  † Effect size of change calculated as mean change from baseline divided by the standard deviation of change. Criteria: trivial 0-<0.20; small 0.20-<0.50; moderate 0.50-<0.80; and large ≥ 0.80.  †† Indicates a clincally significant change from pre-RT, i.e. a change of ≥10 point. | | | | | |