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 |
| Physicalp\* /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 |
| Emotionalp\* /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 |
| Rolep\* /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 |
| Socialp\* /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 |
| Fatiguep\* /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 |
| Painp\* /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 contactp\* /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 |
| Speechp\* /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 mouthp\* /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 salivap\* /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 |
| Coughingp\* /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.  |