Supplementary table 1. The comparison of PTV-GTV D95 and V51 between the fraction plans at different time point of treatment course with the original plan

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| Fractions | Number of patients achieving above 5% reduction [Original plan- Fra plan)/Original plan✖100%] | 　 |
| PTV-GTV D95 | P value | PTV-GTV V51 | P value |
| Fraction 1 | 3 (11.1%) | 0.715 | 4 (14.8%) | 0.222 |
| Fraction 5 | 5 (18.5%) |  | 6 (22.2%) |  |
| Fraction 9 | 3 (11.1%) | 0.448 (Fra 5 vs. 9) | 4 (14.8%) | 0.488 (Fra 5 vs. 9) |
| Fraction 13 |  3 (11.1%) | 0.448 (Fra 5 vs. 13) | 3 (11.1%) | 0.278 (Fra 5 vs. 13) |
| Fraction 17 | 3 (11.1%) | 0.448 (Fra 5 vs. 17) | 2 (7.4%) | 0.129 (Fra 5 vs. 17) |