

Table S2. Dosimetric parameters of the target volumes for the 1st plan and 1st plan on CT_2nd (n = 7)

	1st plan	1st plan on CT_2nd	p-value*
GTV_primary			
D ₉₅ (Gy)	71.6 ± 0.3	71.6 ± 0.5	0.050
D _{mean} (Gy)	72.1 ± 0.4	72.8 ± 0.4	0.005
GTV_lymph node			
D ₉₅ (Gy)	71.4 ± 0.5	72.0 ± 1.0	<0.001
D _{mean} (Gy)	72.3 ± 0.6	73.0 ± 1.2	0.028
PTV_70			
D ₉₅ (Gy)	69.9 ± 0.3	69.3 ± 1.1	<0.001
D _{mean} (Gy)	71.7 ± 0.4	72.3 ± 0.5	0.014
Conformity index	1.04 ± 0.04	1.11 ± 0.07	0.009
Homogeneity index	0.06 ± 0.02	0.10 ± 0.02	0.013
Brainstem			
Max (Gy)	54.1 ± 5.6	54.1 ± 5.6	0.748
Spinal cord			
Max (Gy)	45.3 ± 1.8	45.5 ± 2.2	0.132
Right parotid gland			
Mean (Gy)	32.4 ± 15.2	33.4 ± 15.5	0.159
Left parotid gland			
Mean (Gy)	43.7 ± 16.3	44.9 ± 16.6	0.114

Values are presented as mean ± standard deviation.

1st plan, initial plan on the planning computed tomography (CT) image; 1st plan on CT_2nd, recalculated plan on CT_2nd; GTV, gross tumor volume; PTV, planning target volume; GTV_primary, primary tumor; GTV_lymph node, metastatic lymph nodes; PTV_70, PTV area with a prescription dose of 70 Gy.

The conformity index was calculated as $V_{\text{presc}} / \text{PTV}$. Here, V_{presc} indicates the volume enclosed by the prescription isodose. The homogeneity index was calculated as $(D_2 - D_{98}) / D_{50}$. Here, D_x means maximum dose to x% volume.

*Wilcoxon signed-rank test.