

Table S1 Dicom metadata of the patients used in this retrospective study

Dicom metadata	Value
Manufacturer	Siemens
Institution name	Single institution
kVp (tube voltage)	80–140
mAs (tube current)	16–461
Slice thickness (mm)	1–3 (90% 3 mm)
Pixel spacing (mm)	0.5–1.5
Contrast	No contrast
Reconstruction kernel	B30f, I30f

Table S2 Differences between migrated diagnostic CT plan and clinical accepted planning CT plan on specified dosimetric parameters for the PTV

Treatment plan	V95%			D _{mean}			D _{max}		
	Planning CT-plan	Diagnostic CT-plan	Δ	Planning CT-plan	Diagnostic CT-plan	Δ	Planning CT-plan	Diagnostic CT-plan	Δ
1	99.9%	95.3%	-4.60%	102.5%	101.4%	-1.10%	109.91%	110.85%	0.86%
2	61.9%	66.8%	7.92%	72.9%	78.7%	5.80%	110%	114.18%	3.80%
3	99.2%	98.7%	-0.50%	105.2%	102.5%	-2.70%	108.02%	108.14%	0.11%
4	99.5%	98.8%	-0.70%	103.4%	103.9%	0.50%	109.69%	112.37%	2.44%
5	99.7%	100.0%	0.30%	105.1%	105.1%	0.00%	109.1%	110%	0.82%
6	99.8%	98.8%	-1.00%	103.2%	103.8%	0.60%	107.81%	111.1%	3.05%
7	63.0%	61.6%	-2.22%	75.3%	74.1%	-1.20%	109.1%	106.59%	-2.30%
8	97.3%	93.3%	-4.11%	104.3%	102.5%	-1.80%	119.77%	118.84%	-0.78%
9	100.0%	95.3%	-4.70%	105.2%	103.5%	-1.70%	108.77%	116.26%	6.89%
10	99.8%	98.9%	-0.90%	104.2%	101.9%	-2.30%	108.5%	108.38%	-0.11%
11	99.8%	99.6%	-0.20%	105.5%	106.0%	0.50%	108.62%	110%	1.27%
12	99.9%	93.5%	-6.41%	105.4%	102.7%	-2.70%	108.79%	110.88%	1.92%
13	99.9%	99.9%	0.00%	104.0%	104.2%	0.20%	107.72%	107.64%	-0.07%
14	100.0%	100.0%	0.00%	104.9%	104.8%	-0.10%	109.56%	109.2%	-0.33%
15	100.0%	88.8%	-11.20%	104.6%	97.8%	-6.80%	109.75%	114.27%	4.12%
16	99.8%	99.5%	-0.30%	105.3%	105.4%	0.10%	108.69%	109.13%	0.40%
17	100.0%	97.2%	-2.80%	104.0%	99.5%	-4.50%	109.83%	110.72%	0.81%
18	99.9%	99.4%	-0.50%	104.7%	104.1%	-0.60%	109.46%	109.5%	0.04%
19	100.0%	98.0%	-2.00%	103.9%	105.4%	1.50%	109%	113.7%	4.31%
20	99.4%	99.5%	0.10%	104.2%	106.2%	2.00%	108.47%	113.46%	4.60%
21	99.8%	100.0%	0.20%	104.5%	106.0%	1.50%	107.84%	111.89%	3.76%
22	100.0%	100.0%	0.00%	104.3%	105.9%	1.60%	108.8%	109.99%	1.09%
23	99.5%	96.7%	-2.81%	104.5%	100.3%	-4.20%	107.96%	111.44%	3.22%
24	95.2%	97.0%	1.89%	105.1%	106.1%	1.00%	110.05%	111.97%	1.74%
25	99.8%	100.0%	0.20%	103.6%	107.4%	3.80%	109.93%	115.985%	5.51%
26	99.9%	99.8%	-0.10%	104.2%	103.7%	-0.50%	106.91%	106.41%	-0.47%
Average	96.65%	95.25%	-1.33%	102.08%	101.65%	-0.43%	109.31%	111.26%	1.95%
Standard error	0.20	0.19	0.65	0.16	0.15	0.51	0.45	0.59	0.004
P value		0.0124			0.2056			0.0002	

V95% is the volume of the structure receiving at least 95% of the prescription dose, D_{mean} is the mean dose and D_{max} is the max dose. Δ is the difference between the two corresponding values.