

Table S1 Interobserver reliability and interobserver agreement of DLCT parameters measurement of tumor

Parameter	PS			WTVR		
	R1 (n=56)	R2 (n=56)	ICC	R1 (n=56)	R2 (n=56)	ICC
AP						
CT (HU)	94.235±26.406	82.532±23.895	0.953	70.780±18.486	69.996±19.350	0.988
EDW (%)	104.590±0.788	104.333±0.766	0.926	104.155±0.635	104.109±0.684	0.952
Zeff	8.321±0.404	8.196±0.373	0.964	7.983±0.296	7.977±0.307	0.991
ID (mg/mL)	1.942±0.874	1.659±0.794	0.963	1.248±0.588	1.236±0.613	0.991
VP						
CT (HU)	90.174±17.078	87.286±16.779	0.934	84.548±15.001	83.925±16.353	0.983
EDW (%)	104.398±0.705	104.315±0.682	0.927	104.257±0.618	104.220±0.693	0.938
Zeff	8.347±0.241	8.326±0.234	0.926	8.279±0.207	8.273±0.225	0.981
ID (mg/mL)	1.951±0.534	1.909±0.518	0.932	1.818±0.449	1.809±0.480	0.984

Data are presented as the mean ± standard deviation. DLCT, dual-layer spectral-detector computed tomography; PS, planar sketching; WTVR, whole tumor volume rendering; R1, radiologist 1; R2, radiologist 2; ICC, intraclass correlation coefficient; AP, arterial phase; CT, attenuation value of conventional computed tomography; HU, Hounsfield units; Zeff, effective atomic number; ID, iodine density; VP, venous phase; EDW, electron density relative to water.

Table S2 Interobserver reliability and interobserver agreement of DLCT parameter measurement of normal liver tissue and abdominal aorta

Parameter	Abdominal aorta			Normal liver tissue		
	R1 (n=56)	R2 (n=56)	ICC	R1 (n=56)	R2 (n=56)	ICC
AP						
Zeff	11.102±0.067	11.086±0.670	0.997	7.626±0.132	7.617±0.128	0.924
ID (mg/mL)	10.340±2.500	10.285±2.513	0.998	0.579±0.202	0.596±0.274	0.725
VP						
Zeff	9.208±0.270	9.204±0.273	0.988	8.372±0.158	8.374±0.162	0.959
ID (mg/mL)	4.037±0.734	4.026±0.740	0.992	2.037±0.368	2.034±0.370	0.961

Data are presented as the mean ± standard deviation. DLCT, dual-layer spectral-detector computed tomography; R1, radiologist 1; R2, radiologist 2; ICC, intraclass correlation coefficient; AP, arterial phase; Zeff, effective atomic number; ID, iodine density; VP, venous phase.