

Supplementary Table S1. CRC values for the AbdoMan phantom for 0, 2, 4, 6, 8 mm filter and acquisition time of 30 min.

Filter FWHM [mm]	Contrast Recovery Coefficients			
	Sphere Size [mm]			
	50	40	30	20
0	73	64	59	54
2	73	64	58	52
4	72	63	57	51
6	72	63	57	51
8	72	63	57	51

Supplementary Table S2. Mean absorbed doses in liver VOIs (30 mm sphere) for every patient for all studied reconstruction parameter sets (2i5s-4i5s, 20 and 30 min, filter sizes 0, 2, 4, 6 mm).

Mean Absorbed Dose in Liver VOI [Gy]										
Acquisition Time [min]	Filter FWHM [mm]	Iterations	ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 8
30	0	2i5s	55.7	57.2	46.4	36.0	45.3	27.6	42.4	18.6
	0	3i5s	56.2	57.2	46.3	35.8	45.1	27.1	41.6	18.7
	0	4i5s	56.0	57.8	46.3	35.8	45.1	27.4	41.1	18.6
	2	2i5s	55.7	57.1	46.4	36.0	45.4	27.6	42.4	18.6
	2	3i5s	56.1	57.0	46.3	35.8	45.2	27.2	41.6	18.7
	2	4i5s	56.0	57.7	46.3	35.8	45.2	27.4	41.1	18.7
	4	2i5s	55.6	57.0	46.4	36.0	45.4	27.7	42.4	18.7
	4	3i5s	56.1	56.9	46.3	35.8	45.2	27.2	41.7	18.8
	4	4i5s	55.9	57.5	46.3	35.8	45.3	27.4	41.2	18.7
	6	2i5s	55.6	57.0	46.4	36.0	45.4	27.7	42.4	18.7
	6	3i5s	56.0	56.8	46.3	35.8	45.2	27.2	41.7	18.8
	6	4i5s	55.9	57.4	46.3	35.8	45.2	27.4	41.2	18.7
20	0	2i5s	55.0	56.6	46.2	36.0	44.6	27.5	42.1	18.9
	0	3i5s	54.8	56.9	46.0	36.0	44.4	27.1	41.3	19.0
	0	4i5s	55.3	57.1	45.9	36.0	44.4	27.3	40.7	19.0
	2	2i5s	55.0	56.5	46.2	36.0	44.7	27.5	42.1	18.9
	2	3i5s	54.8	56.8	46.0	36.0	44.4	27.1	41.3	19.0
	2	4i5s	55.2	57.0	46.0	36.0	44.4	27.3	40.8	19.0
	4	2i5s	54.9	56.4	46.2	36.0	44.7	27.6	42.2	18.9
	4	3i5s	54.8	56.7	46.0	36.0	44.5	27.1	41.4	19.0
	4	4i5s	55.2	56.9	46.0	36.0	44.5	27.3	40.9	19.1
	6	2i5s	54.9	56.4	46.2	36.0	44.8	27.6	42.2	18.9
	6	3i5s	54.8	56.7	46.0	36.0	44.5	27.1	41.4	19.0
	6	4i5s	55.2	56.9	46.0	36.0	44.5	27.3	40.9	19.1

Supplementary Table S3. Mean absorbed doses in tumor VOIs (30 mm sphere) for every patient for all studied reconstruction parameter sets (2i5s-4i5s, 20 and 30 min, filter sizes 0, 2, 4, 6 mm)

Mean Absorbed Dose in Tumor VOI [Gy]										
Acquisition Time [min]	Filter FWHM [mm]	Iterations	ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 8
30	0	2i5s	1156.9	126.2	664.6	84.7	209.1	470.2	197.5	217.2
	0	3i5s	1156.5	125.9	665.2	85.4	211.7	464.3	199.9	219.6
	0	4i5s	1157.0	126.4	664.7	85.6	212.4	462.0	200.7	220.5
	2	2i5s	1150.0	125.6	661.9	84.6	208.1	469.5	196.3	216.6
	2	3i5s	1149.6	125.3	662.5	85.2	210.5	463.7	198.6	219.0
	2	4i5s	1149.9	125.9	662.1	85.4	211.3	461.3	199.5	219.8
	4	2i5s	1140.6	124.8	658.1	84.3	206.6	468.5	194.8	215.7
	4	3i5s	1140.1	124.6	658.8	85.0	209.0	462.8	197.0	218.1
	4	4i5s	1140.4	125.1	658.4	85.2	209.7	460.5	197.8	218.9
	6	2i5s	1138.8	124.6	657.3	84.3	206.3	468.3	194.4	215.5
	6	3i5s	1138.3	124.4	658.1	84.9	208.7	462.6	196.7	217.9
	6	4i5s	1138.5	125.0	657.7	85.1	209.4	460.3	197.4	218.7
20	0	2i5s	1156.7	127.4	673.5	84.2	210.6	478.8	196.5	217.5
	0	3i5s	1157.7	127.1	674.1	84.9	213.2	473.1	198.8	220.4
	0	4i5s	1157.7	127.3	673.6	85.1	214.0	470.7	199.7	221.5
	2	2i5s	1149.8	126.8	670.8	84.0	209.4	477.9	195.3	216.9
	2	3i5s	1150.6	126.5	671.4	84.6	212.0	472.3	197.6	219.7
	2	4i5s	1150.6	126.8	671.0	84.9	212.8	470.0	198.4	220.7
	4	2i5s	1140.3	125.9	667.0	83.7	207.9	476.7	193.8	216.0
	4	3i5s	1140.9	125.7	667.7	84.3	210.3	471.2	195.9	218.8
	4	4i5s	1140.9	126.0	667.3	84.5	211.1	468.9	196.6	219.7
	6	2i5s	1138.5	125.8	666.2	83.7	207.6	476.5	193.5	215.8
	6	3i5s	1139.0	125.6	666.9	84.3	210.0	471.0	195.6	218.6
	6	4i5s	1139.0	125.9	666.6	84.5	210.7	468.7	196.3	219.5