

Supplemental Material

Fig S1: CoV and % maximum difference as a function of the distance from the source voxel for a) ^{177}Lu DVKs and b) ^{90}Y DVKs (part of data are out of range). For better visualization, the values at different voxels but corresponding to the same distance have been averaged.

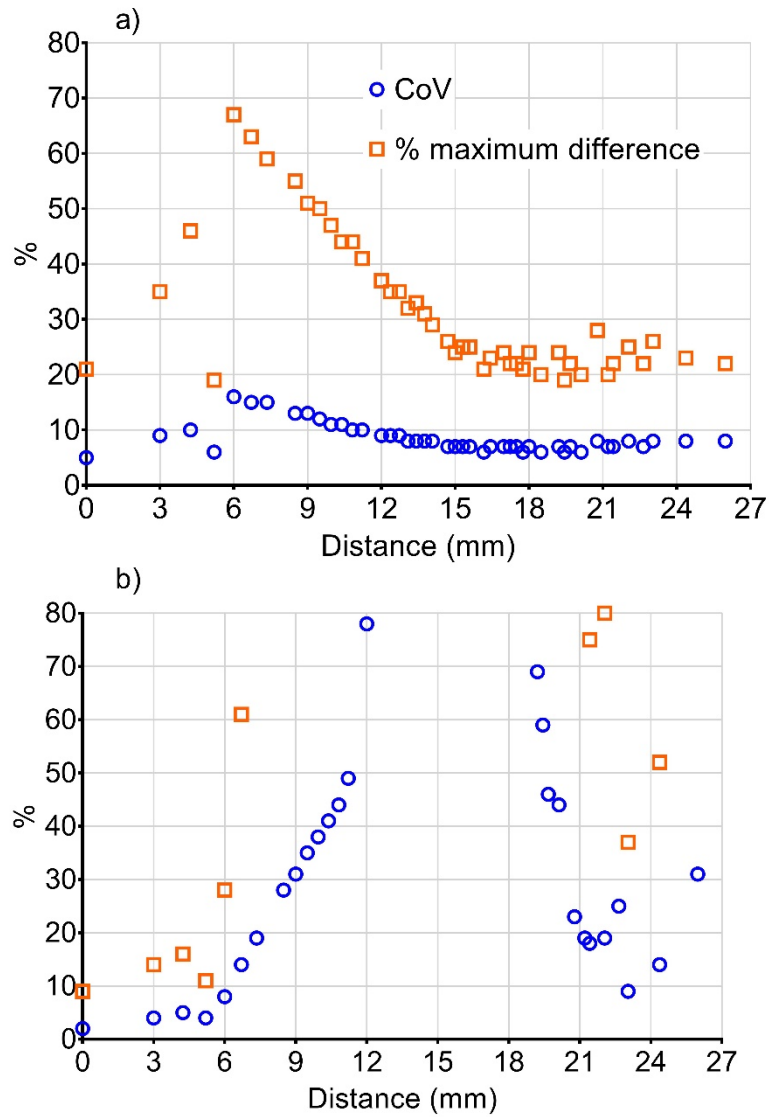


Table S1: Mean AD, D10 and D90 obtained with the different DVKs for patient 4.

Patient 4	Amato			Graves			Lanconelli			Pistone			Pistone_AM			Salvat			Tranel			Vergara			UMICH DPM		
	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90
Right Kidney	2.51	3.41	1.48	2.67	3.61	1.61	2.44	3.33	1.45	2.61	3.55	1.55	2.61	3.54	1.53	2.60	3.54	1.54	2.67	3.64	1.58	2.89	3.94	1.71	2.69	3.63	1.62
Left Kidney	2.58	3.49	1.56	2.74	3.68	1.68	2.52	3.40	1.53	2.69	3.64	1.63	2.69	3.63	1.63	2.68	3.63	1.62	2.76	3.72	1.67	2.98	4.02	1.80	2.75	3.70	1.69
Tumor 1	18.93	31.32	7.49	19.78	32.64	7.92	18.45	30.53	7.29	19.69	32.60	7.78	19.68	32.57	7.78	19.67	32.56	7.77	20.20	33.42	7.99	21.86	36.20	8.63	19.90	32.83	7.96
Tumor 2	27.30	39.69	13.34	28.34	41.15	13.86	26.57	38.63	12.97	28.41	41.28	13.86	28.39	41.26	13.86	28.36	41.24	13.85	29.09	42.28	14.23	31.58	45.94	15.42	28.50	41.38	13.95

Table S2: Mean AD, D10 and D90 obtained with the different DVKs for patient 6.

Patient 6	Amato			Graves			Lanconelli			Pistone			Pistone_AM			Salvat			Tranel			Vergara			UMICH DPM		
	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90
Right Kidney	5.14	7.24	2.64	5.43	7.60	2.84	5.01	7.05	2.58	5.35	7.53	2.75	5.35	7.53	2.75	5.34	7.52	2.75	5.49	7.72	2.83	5.94	8.36	3.06	5.46	7.64	2.86
Left Kidney	3.27	4.95	1.70	3.48	5.22	1.85	3.18	4.83	1.65	3.40	5.16	1.77	3.40	5.15	1.76	3.40	5.15	1.76	3.49	5.29	1.82	3.78	5.73	1.96	3.49	5.25	1.86
Tumor 1	3.05	3.90	2.17	3.22	4.11	2.32	2.96	3.81	2.11	3.16	4.06	2.27	3.16	4.16	2.27	3.16	4.06	2.26	3.25	4.16	2.32	3.52	4.51	2.51	3.24	4.13	2.33
Tumor 2	29.57	37.42	21.03	30.72	38.86	21.86	28.81	36.46	20.49	30.78	38.95	21.87	30.75	38.91	21.86	30.73	38.88	21.84	31.52	39.88	22.42	34.21	43.26	24.29	30.90	39.08	22.01
Tumor 3	2.94	4.18	1.60	3.15	4.44	1.77	2.87	4.08	1.57	3.06	4.36	1.68	3.06	4.35	1.67	3.06	4.34	1.67	3.14	4.46	1.72	3.40	4.83	1.85	3.17	4.46	1.78
Tumor 4	3.56	6.27	1.21	3.75	6.56	1.32	3.47	6.10	1.19	3.71	6.52	1.26	3.71	6.52	1.26	3.70	6.52	1.26	3.80	6.69	1.29	4.12	7.25	1.39	3.77	6.60	1.33

Table S3: Mean AD, D10 and D90 obtained with the different DVKs for patient 26.

Patient 26	Amato			Bolch			Graves			Lanconelli			Pistone			Salvat			Tranel			Vergara			UMICH DPM		
	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90
Liver	69.58	185.12	0.48	69.62	185.54	0.48	66.93	178.29	0.46	62.76	167.14	0.43	66.92	179.86	0.46	66.90	178.29	0.46	66.84	178.05	0.46	72.06	192.06	0.50	66.48	177.13	0.46
Healthy Liver	66.58	177.33	0.45	66.65	177.74	0.45	64.07	170.79	0.43	60.07	160.04	0.41	64.05	172.29	0.43	64.05	170.77	0.43	63.98	170.51	0.43	68.99	184.01	0.47	63.64	169.70	0.43
Tumor 1	227.30	339.84	122.84	226.32	336.79	123.14	218.97	325.01	118.31	204.77	305.81	111.06	218.30	329.27	118.33	217.63	324.06	118.19	217.54	324.11	118.10	234.28	348.60	127.45	216.24	322.02	117.54
Tumor 2	466.28	754.57	179.23	462.67	745.69	183.25	446.19	720.07	174.94	419.71	678.17	162.83	447.39	730.19	173.37	445.05	717.63	176.23	445.05	717.90	175.42	478.91	771.84	190.26	442.22	713.13	174.81
Tumor 3	65.59	126.98	13.82	65.34	125.22	14.45	62.92	121.10	13.73	59.15	114.09	12.78	63.01	122.72	13.48	62.81	120.40	13.87	62.79	120.60	13.73	67.63	129.48	14.92	62.42	119.70	13.72
Tumor 4	699.06	1094.18	301.06	691.11	1075.05	303.78	667.44	1040.60	290.97	628.24	979.37	270.95	670.08	1056.85	289.98	664.94	1035.30	292.16	665.30	1036.30	291.09	715.23	1112.80	314.89	660.76	1028.80	289.89

Table S4: Mean AD, D10 and D90 obtained with the different DVKs for patient 56.

Patient 56	Amato			Bolch			Graves			Lanconelli			Pistone			Salvat			Tranel			Vergara			UMICH DPM		
	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90	Mean AD	D10	D90
Liver	54.15	122.11	0.34	54.19	121.96	0.33	52.10	117.33	0.32	48.86	110.10	0.30	52.09	118.51	0.32	52.08	117.22	0.32	52.03	117.14	0.31	56.10	126.25	0.34	51.75	116.46	0.32
Healthy Liver	49.81	118.03	0.33	49.88	117.99	0.33	47.94	113.47	0.32	44.95	106.43	0.29	47.92	114.59	0.32	47.93	113.41	0.32	47.87	113.31	0.31	51.63	122.14	0.34	47.62	112.68	0.31
Tumor 1	446.64	705.10	237.66	444.79	698.98	238.23	428.37	675.24	228.75	402.34	635.32	213.65	428.99	683.63	228.61	427.72	672.22	229.15	427.52	672.71	228.68	460.46	723.23	246.79	424.98	668.15	227.40
Tumor 2	110.87	167.77	41.45	110.20	165.42	42.12	106.20	159.94	40.24	99.96	150.88	37.29	106.43	162.25	40.03	106.98	159.16	40.45	105.96	159.29	40.34	114.07	171.15	43.65	105.31	158.13	40.21

Fig S2: ^{177}Lu for a) 2.4 mm and b) 4.0 mm voxel size as a function of the distance from the source voxel. For better visualization, the values at different voxels but corresponding to the same distance have been averaged.

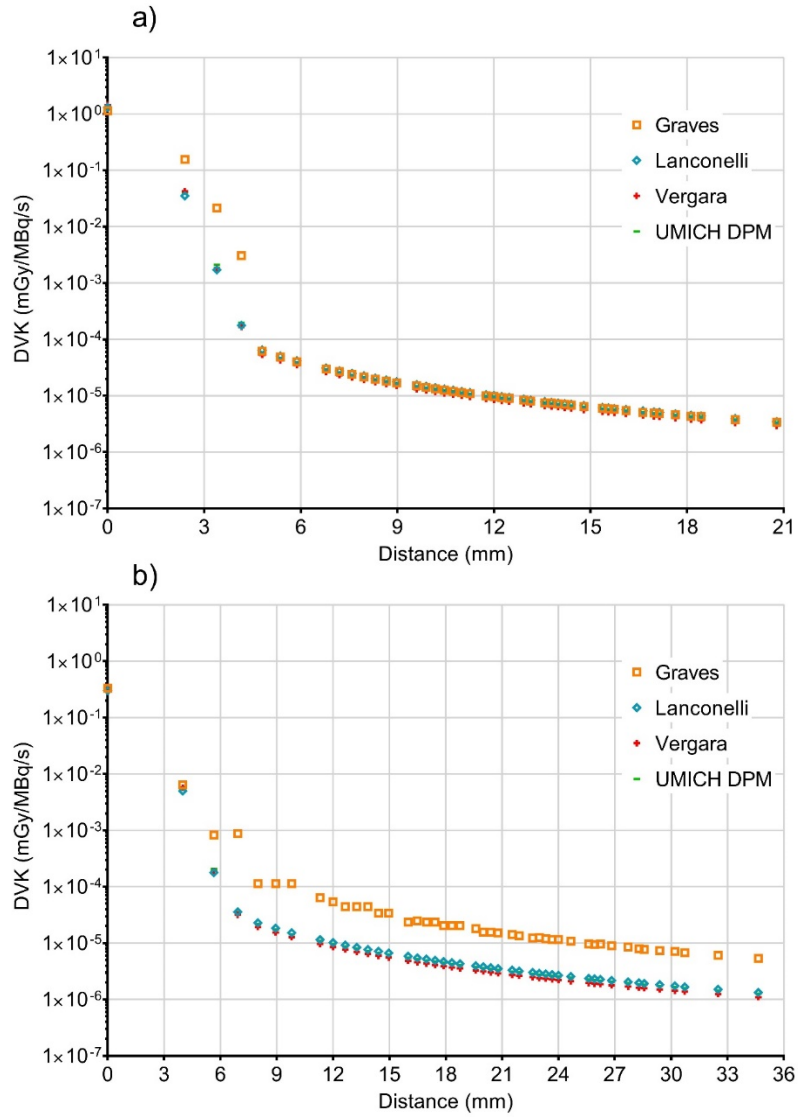


Fig S3: ^{90}Y DVKs for a) 2.4 mm and b) 4.0 mm voxel size as a function of the distance from the source voxel. For better visualization, the values at different voxels but corresponding to the same distance have been averaged.

