

**T1 versus T2 weighted Magnetic Resonance Imaging
to Assess Total Kidney Volume
in Patients with Autosomal Dominant Polycystic Kidney Disease**

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Supplementary Table 2. Differences in kidney volume when measured using T1 or T2 weighted images for 1.5 versus 3 Tesla, as well as different manufacturers.

	Volumes (mL)		Differences in volume (mL)			Differences in volume (%)		
	T1	T2	[T1 – T2]			[(T1 – T2) / average T1 T2* 100]		
			Bias	Precision	<i>P value</i> *	Bias	Precision	<i>P value</i> [#]
Left kidney								
<i>Magneto Avanto, Siemens</i> ¹	1034 [484 - 2257]	1026 [460 - 2229]	10.1	115.0	0.2	1.0	6.7	0.5
<i>Ingenia, Philips</i> ¹	1075 [721 - 1260]	1086 [758 - 1333]	-20.5	37.1	0.03	-1.9	3.8	0.04
<i>GE Medical Systems</i> ¹	983 [655 - 1174]	977 [654 - 1195]	-0.2	57.1	0.6	1.2	5.2	0.3
<i>3 Tesla scanner</i> ²	905 [715 - 1278]	939 [722 - 1365]	-30.3	80.9	0.1	-2.2	6.1	0.2
Right kidney								
<i>Magneto Avanto, Siemens</i> ¹	813 [353 - 1802]	853 [374 - 1851]	-36.9	72.8	0.008	-3.0	5.3	0.008
<i>Ingenia, Philips</i> ¹	828 [680 - 1319]	873 [681 - 1384]	-28.7	37.3	0.004	-1.8	6.0	0.2
<i>GE Medical Systems</i> ¹	892 [560 - 1049]	898 [513 - 1136]	-13.7	83.2	0.2	0.4	10.7	0.9
<i>3 Tesla scanner</i> ²	857 [712 - 1072]	837 [729 - 1081]	-8.0	35.8	0.3	-0.9	4.0	0.4
Total kidney								
<i>Magneto Avanto, Siemens</i> ¹	1800 [785 - 4031]	1810 [785 - 4090]	-26.8	154.0	0.3	-0.7	4.7	0.4
<i>Ingenia, Philips</i> ¹	2008 [1418 - 2774]	2054 [1448 - 2773]	-49.2	64.1	0.005	-1.8	4.3	0.07
<i>GE Medical Systems</i> ¹	1883 [1186 - 2203]	1902 [1152 - 2317]	-14.0	122.8	0.7	0.8	6.4	0.8
<i>3 Tesla scanner</i> ²	1798 [1461 - 2262]	1792 [1469 - 2363]	-38.2	107.8	0.08	-1.7	4.9	0.2

Values are given as median [IQR]. P values shown are: * absolute differences (mL) between T1 and T2 weighted volumes using a paired Wilcoxon signed rank test; [#] percentage differences (%) between T1 and T2 weighted volumes using a one sample T-test. ANOVA showed no significant difference between the scanners for absolute and percentage difference. 1. 1.5 Tesla scanner; 2. Intera, Philips and Magnetom TRIO, Siemens.