

**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 7. Differences in kidney volume when measured using T1 or T2 weighted images for quartiles of breath hold trigger time of T1 weighted images.

	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								
5.2 – 15.0 sec.	940 [584 - 1127]	951 [534 - 1110]	16.7	46.3	0.2	2.1	5.7	0.2
15.1 – 17.5 sec.	711 [394 - 1265]	716 [403 - 1357]	38.7	105.3	0.2	1.9	5.4	0.2
17.6 – 18.5 sec.	1149 [1042 - 1775]	1195 [994 - 1821]	-24.9	55.4	0.1	-1.9	4.4	0.1
18.6 – 26.0 sec.	971 [655 - 1220]	979 [654 - 1206]	-3.0	33.6	0.9	0.3	3.4	0.8
Right kidney								
5.2 – 15.0 sec.	845 [526 - 1038]	873 [521 - 1035]	4.2	41.2	0.4	1.1	5.3	0.4
15.1 – 17.5 sec.	729 [358 - 1988]	505 [347 - 2032]	-18.6	109.5	0.1	-0.6	12.8	0.9
17.6 – 18.5 sec.	1030 [801 - 1553]	1107 [835 - 1581]	-42.8	47.9	0.003	-3.4	3.6	0.002
18.6 – 26.0 sec.	780 [497 - 1141]	812 [498 - 1205]	-21.5	35.2	0.02	-1.5	5.6	0.3
Total kidney								
5.2 – 15.0 sec.	1932 [1139 - 2138]	1851 [1042 - 2194]	20.9	82.1	0.3	1.6	5.0	0.2
15.1 – 17.5 sec.	1469 [766 - 3031]	1221 [744 - 3084]	20.2	170.5	0.7	1.1	6.7	0.5
17.6 – 18.5 sec.	2130 [1976 - 3147]	2246 [1961 - 3226]	-67.6	90.9	0.01	-2.6	3.2	0.005
18.6 – 26.0 sec.	1800 [1166 - 2368]	1810 [1152 - 2394]	-24.5	59.5	0.2	-0.6	3.9	0.6

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 P for trend between quartiles of breath hold trigger time of T1 for absolute and percentage difference.