

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

Journal: Abdominal Radiology

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Supplementary Table 4. Kidney growth (change in kidney volumes) for 1.5 versus 3 Tesla, as well as different manufacturers.

	T1	T2	P value
Left kidney			
Change (mL)			
<i>Magneto Avanto, Siemens¹</i>	28.4 ± 131.4	67.6 ± 110.6	0.2
<i>Ingenia, Philips¹</i>	119.8 ± 188.3	128.9 ± 190.5	0.4
<i>GE Medical Systems¹</i>	72.2 ± 99.9	81.7 ± 108.6	0.6
<i>3 Tesla scanner</i>	83.3 ± 16.1	144.5 ± 70.2	0.1
Change (%)			
<i>Magneto Avanto, Siemens¹</i>	5.1 ± 7.1	5.3 ± 9.8	0.9
<i>Ingenia, Philips¹</i>	9.4 ± 16.0	10.1 ± 16.2	0.5
<i>GE Medical Systems¹</i>	6.8 ± 12.1	8.9 ± 14.9	0.4
<i>3 Tesla scanner²</i>	10.1 ± 2.7	17.4 ± 6.9	0.1
Right kidney			
Change (mL)			
<i>Magneto Avanto, Siemens¹</i>	137.6 ± 198.0	141.0 ± 240.7	0.9
<i>Ingenia, Philips¹</i>	95.6 ± 102.8	114.1 ± 120.0	0.1
<i>GE Medical Systems¹</i>	55.0 ± 137.7	88.1 ± 88.1	0.3
<i>3 Tesla scanner²</i>	91.2 ± 19.7	130.7 ± 46.0	0.06
Change (%)			
<i>Magneto Avanto, Siemens¹</i>	13.3 ± 12.9	12.9 ± 11.6	0.9
<i>Ingenia, Philips¹</i>	9.1 ± 7.8	11.3 ± 10.0	0.1
<i>GE Medical Systems¹</i>	5.0 ± 17.5	9.4 ± 12.0	0.3
<i>3 Tesla scanner²</i>	11.0 ± 2.2	16.1 ± 5.2	0.07
Total kidney			
Change (mL)			
<i>Magneto Avanto, Siemens¹</i>	166.0 ± 233.6	208.5 ± 296.1	0.3
<i>Ingenia, Philips¹</i>	215.5 ± 268.0	243.0 ± 291.1	0.1
<i>GE Medical Systems¹</i>	127.2 ± 223.9	169.7 ± 195.7	0.3
<i>3 Tesla scanner²</i>	174.5 ± 30.9	275.1 ± 112.1	0.09
Change (%)			
<i>Magneto Avanto, Siemens¹</i>	8.3 ± 7.4	8.3 ± 8.2	0.9
<i>Ingenia, Philips¹</i>	9.3 ± 11.3	10.8 ± 12.6	0.1
<i>GE Medical Systems¹</i>	5.8 ± 14.2	9.0 ± 13.4	0.2
<i>3 Tesla scanner²</i>	10.4 ± 1.8	16.5 ± 5.2	0.08

Values are given as mean ± standard deviation or median [IQR]. P values were calculated using a paired Wilcoxon signed rank test for differences between T1 and T2 weighted volumes, for differences in change in volumes between T1 and T2 a paired T-test was used. ANOVA showed no significant difference between any of the four scanners. 1. 1.5 Tesla scanner; 2. Inera, Philips and Magnetom TRIO, Siemens.