

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

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On behalf of the DIPAK consortium

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Supplementary Table 1. Intra- and interreader coefficients of variability in kidney volume measurements (three readers), for 1.5 versus 3 Tesla, as well as different manufacturers.

	Intrareader CV (%)		Interreader CV (%)	
	T1	T2	T1	T2
Left kidney	P=0.5	P=0.1	P=0.2	P=0.9
<i>Magneto Avanto, Siemens</i> ¹	1.40 [0.53 - 1.64]	0.62 [0.38 - 0.83]	1.62 [1.41 - 4.42]	0.98 [0.87 - 1.25]
<i>Ingenia, Philips</i> ¹	1.10 [0.56 - 2.62]	0.80 [0.43 - 1.52]	1.20 [0.72 - 3.33]	0.95 [0.34 - 2.60]
<i>GE Medical Systems</i> ¹	0.97 [0.88 - 1.77]	0.86 [0.29 - 1.21]	3.65 [3.09 - 4.95]	1.61 [0.43 - 2.22]
<i>3 Tesla scanner</i> ²	0.47 [0.15 - 1.77]	0.21 [0.08 - 0.64]	1.10 [0.92 - 1.63]	1.02 [0.98 - 1.02]
Right kidney	P=0.6	P=0.9	P=0.06	P=0.5
<i>Magneto Avanto, Siemens</i> ¹	1.78 [0.93 - 2.55]	0.81 [0.33 - 0.94]	0.59 [0.54 - 3.26]	0.76 [0.34 - 1.92]
<i>Ingenia, Philips</i> ¹	1.57 [1.17 - 2.14]	0.65 [0.11 - 1.68]	1.95 [0.52 - 2.00]	1.85 [0.90 - 2.41]
<i>GE Medical Systems</i> ¹	1.35 [0.56 - 2.05]	0.61 [0.34 - 1.40]	4.37 [4.13 - 17.27]	1.00 [0.74 - 1.31]
<i>3 Tesla scanner</i> ²	0.86 [0.67 - 1.96]	0.56 [0.31 - 0.83]	3.47 [1.74 - 3.99]	1.42 [1.19 - 1.90]
Total kidney	P=0.2	P=0.3	P=0.09	P=0.2
<i>Magneto Avanto, Siemens</i> ¹	1.67 [0.96 - 2.00]	0.98 [0.42 - 1.37]	1.05 [0.85 - 3.87]	1.76 [1.04 - 2.42]
<i>Ingenia, Philips</i> ¹	1.04 [0.20 - 1.61]	1.57 [0.52 - 2.82]	1.53 [1.05 - 1.85]	2.67 [1.97 - 5.09]
<i>GE Medical Systems</i> ¹	0.83 [0.25 - 2.03]	0.79 [0.54 - 2.24]	4.64 [3.88 - 8.12]	1.54 [1.48 - 2.19]
<i>3 Tesla scanner</i> ²	0.41 [0.27 - 1.41]	0.74 [0.10 - 1.24]	1.37 [1.14 - 2.09]	2.29 [2.17 - 3.37]

Values are given as median [IQR] for intrareader CV and median [minimum-maximum] for interreader CV. P values show differences between the four scanner types, using a Kruskal Wallis Test. 1. 1.5 Tesla scanner; 2. Magnetom TRIO, Siemens. *Abbreviations:* CV, coefficient of variability.