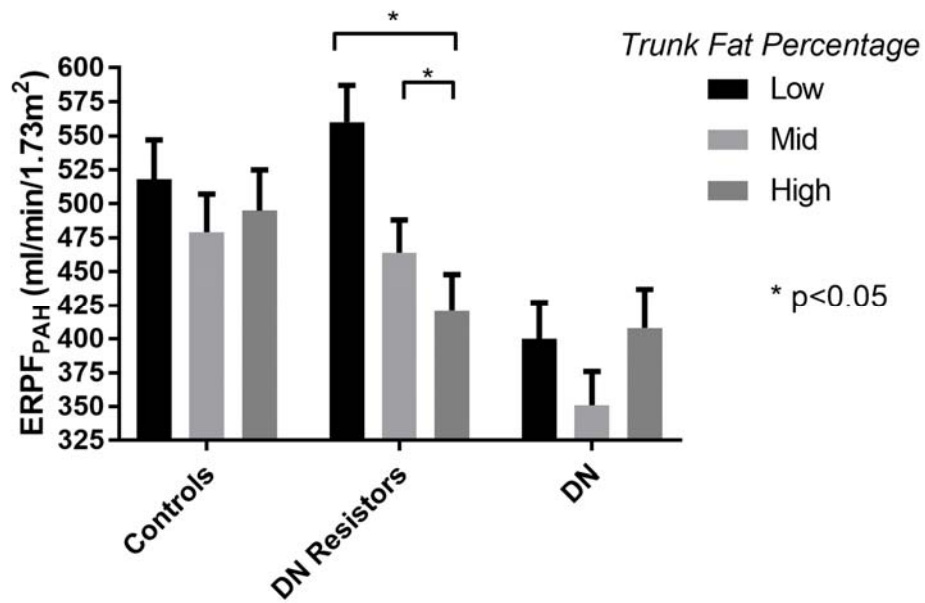
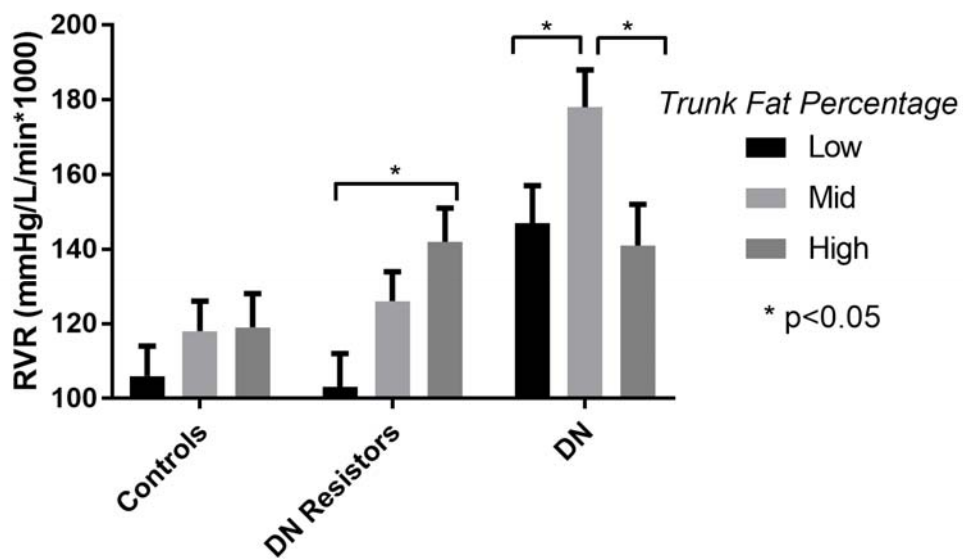


SUPPLEMENTARY DATA

Supplementary Figure 1. Sex-adjusted means of ERPF across tertiles of trunk fat percentage



Supplementary Figure 2. Sex-adjusted means of RVR across tertiles of trunk fat percentage



SUPPLEMENTARY DATA

Supplementary Table 1 Relationships between Adiposity and Derived Parameters of Intrarenal Hemodynamic Function in Adults with and without type 1 diabetes

Variables		Non-diabetic Controls					type 1 diabetes				
		FF	RBF	R _A	R _E	P _{GLO}	FF	RBF	R _A	R _E	P _{GLO}
Whole body (WB) Adiposity											
WB Fat Mass (per kg)	r: β±SE:	-0.27, p=0.02 -0.09±0.04, p=0.03	0.06, p=0.60 1.94±2.51, p=0.44	0.20, p=0.09 40.64±23.08, p=0.08	-0.22, p=0.07 -6.06±2.80, p=0.03	0.15, p=0.22 0.05±0.04, p=0.21	-0.01, p=0.92 -0.07±0.07, p=0.29	-0.29, p=0.02 -4.38±2.35, p=0.07	0.29, p=0.02 63.57±23.07, P=0.008	-0.01, p=0.97 -11.45±8.65, p=0.19	-0.35, p=0.004 -0.24±0.06, p=0.0002
WB Fat Percentage (per %)	r: β±SE:	-0.09, p=0.45 -0.13±0.06, p=0.06	-0.15, p=0.21 0.96±4.17, p=0.82	0.28, p=0.02 78.29±37.90, p=0.04	0.03, p=0.80 -9.01±4.67, p=0.06	0.11, p=0.37 0.08±0.06, p=0.20	0.07, p=0.58 -0.11±0.08, p=0.22	-0.35, p=0.004 -6.51±2.91, p=0.03	0.24, p=0.056 67.09±29.37, p=0.03	0.12, p=0.36 - 14.61±10.81, p=0.18	-0.21, p=0.10 -0.29±0.08, p=0.0004
BMI (per kg/m ²)	r: β±SE:	-0.30, p=0.01 -0.16±0.07, p=0.02	0.23, p=0.052 8.03±4.27, p=0.06	0.08, p=0.51 37.46±40.99, p=0.36	-0.27, p=0.02 -10.14±4.90, p=0.04	0.25, p=0.03 0.14±0.06, p=0.04	-0.06, p=0.61 -0.08±0.12, p=0.53	-0.12, p=0.33 -4.95±4.24, p=0.25	0.19, p=0.13 83.05±41.99, p=0.053	-0.12, p=0.34 - 18.32±15.38, p=0.24	-0.35, p=0.004 -0.37±0.11, p=0.002
Central Body Adiposity											
Trunk Fat Mass (per kg)	r: β±SE:	-0.27, p=0.02 -0.15±0.07, p=0.03	0.08, p=0.48 2.45±4.32, p=0.57	0.21, p=0.08 79.96±40.03, p=0.050	-0.25, p=0.03 -10.56±4.89, p=0.03	0.15, p=0.21 0.08±0.06, p=0.21	-0.05, p=0.70 -0.14±0.12, p=0.24	-0.29, p=0.02 -7.47±4.01, =0.07	0.34, p=0.006 117.49±38.89, p=0.004	-0.06, p=0.62 - 22.95±14.66, p=0.12	-0.41, p=0.0007 -0.43±0.10, p=0.0001
Trunk Fat Percentage (per %)	r: β±SE:	-0.12, p=0.32 -0.80±0.55, p=0.15	-0.11, p=0.36 -0.09±3.43, p=0.98	0.29, p=0.01 73.02±30.83, p=0.02	-0.04, p=0.72 -6.47±3.86, p=0.10	0.15, p=0.20 0.08±0.05, p=0.14	0.03, p=0.82 -0.08±0.07, p=0.23	-0.36, p=0.003 -5.48±2.36, p=0.02	0.30, p=0.01 65.97±23.43, p=0.007	0.05, p=0.71 -13.13±8.77, p=0.14	0.31, p=0.01 -0.26±0.06, p=0.0001
WB Lean Mass											
WB Lean Mass (per kg)	r: β±SE:	-0.26, p=0.02 -0.12±0.07, p=0.08	0.34, p=0.003 5.36±4.25, p=0.21	-0.14, p=0.25 45.17±39.93, p=0.26	-0.40, p=0.0005 -9.25±4.82, p=0.06	-0.06, p=0.59 -0.06±0.06, p=0.34	-0.11, p=0.38 0.04±0.08, p=0.66	0.12, p=0.33 -1.34±2.84, p=0.64	0.06, p=0.61 40.90±28.32, p=0.15	-0.20, p=0.11 -1.57±10.32, p=0.88	-0.22, p=0.08 -0.01±0.08, p=0.17

* β±SE adjusted for age, sex and HbA1c

SUPPLEMENTARY DATA

Supplementary Table 2 Relationships between Adiposity and Derived Parameters of Intrarenal Hemodynamic Function type 1 diabetes Adults with and without DN

Variables		DN Resistors					DN				
		FF	RBF	R _A	R _E	P _{GLO}	FF	RBF	R _A	R _E	P _{GLO}
Whole body (WB) Adiposity											
WB Fat Mass (per kg)	r: β±SE:	0.22, p=0.15 0.01±0.08, p=0.93	-0.48, p=0.001 -7.32±3.28, p=0.03	0.45, p=0.002 89.09±31.33, p=0.007	0.28, p=0.07 3.22±9.82, p=0.74	-0.46, p=0.002 -0.30±0.09, p=0.001	-0.44, p=0.04 0.29±0.14, p=0.053	0.39, p=0.08 3.83±3.17, p=0.24	-0.11, p=0.63 34.06±41.57, p=0.42	-0.48, p=0.02 - 44.89±18.27, p=0.03	-0.07, p=0.76 -0.10±0.11, p=0.39
WB Fat Percentage (per %)	r: β±SE:	0.21, p=0.17 -0.02±0.10, p=0.83	-0.43, p=0.004 -9.36±3.80, p=0.02	0.28, p=0.06 89.62±37.85, p=0.02	0.29, p=0.06 1.63±11.56, p=0.89	-0.28, p=0.07 -0.32±0.10, p=0.004	-0.30, p=0.18 -0.33±0.18, p=0.08	0.15, p=0.51 2.48±4.07, p=0.55	-0.07, p=0.74 20.10±52.52, p=0.71	0.29, p=0.20 -51.07±23.4, p=0.04	0.08, p=0.72 -0.16±0.13, p=0.26
BMI (per kg/m ²)	r: β±SE:	0.21, p=0.17 0.08±0.15, p=0.59	-0.31, p=0.04 -7.20±6.22, p=0.25	0.40, p=0.007 121.79±59.55, p=0.048	0.20, p=0.20 6.22±18.05, p=0.73	-0.46, p=0.002 -0.46±0.16, p=0.008	-0.43, p=0.048 -0.47±0.26, p=0.09	0.36, p=0.10 3.88±5.88, p=0.52	-0.17, p=0.44 64.09±74.77, p=0.40	-0.50, p=0.02 - 74.87±33.75, p=0.04	-0.18, p=0.42 -0.17±0.20, p=0.40
Central Body Adiposity											
Trunk Fat Mass (per kg)	r: β±SE:	0.30, p=0.051 0.12±0.15, p=0.43	-0.54, p=0.0002 -16.64±5.86, p=0.007	0.53, p=0.0002 198.64±55.25, p=0.0009	0.35, p=0.02 17.71±18.00, p=0.33	-0.52, p=0.0004 -0.59±0.15, p=0.0004	-0.55, p=0.008 -0.56±0.20, p=0.01	0.45, p=0.04 7.96±4.74, p=0.11	-0.08, p=0.74 46.01±64.68, p=0.49	-0.61, p=0.003 - 83.77±25.93, p=0.005	-0.19, p=0.40 -0.18±0.17, p=0.29
Trunk Fat Percentage (per %)	r: β±SE:	0.29, p=0.06 0.06±0.08, p=0.51	-0.49, p=0.0007 -9.72±3.11, p=0.003	0.38, p=0.01 95.96±30.88, p=0.004	0.35, p=0.02 9.28±9.74, p=0.35	-0.35, p=0.02 -0.29±0.09, p=0.002	-0.48, p=0.02 -0.34±0.13, p=0.02	0.23, p=0.29 3.12±3.06, p=0.32	-0.01, p=0.98 22.37±40.12, p=0.58	-0.50, p=0.02 - 50.54±16.20, p=0.006	-0.13, p=0.56 -0.15±0.10, p=0.14
WB Lean Mass											
WB Lean Mass (per kg)	r: β±SE:	-0.05, p=0.76 0.06±0.08, p=0.47	0.02, p=0.90 -1.92±3.48, p=0.58	0.15, p=0.33 34.28±34.17, p=0.32	-0.13, p=0.42 2.43±9.86, p=0.81	-0.22, p=0.15 -0.14±0.10, p=0.16	-0.17, p=0.46 -0.15±0.27, p=0.60	0.27, p=0.22 6.60±5.55, p=0.25	0.05, p=0.83 111.26±69.07, p=0.13	-0.28, p=0.21 - 30.25±36.49, p=0.42	-0.33, p=0.14 0.10±0.19, p=0.60

* β±SE adjusted for age, sex and HbA1c