Title: Prognostic Importance of Resistant Hypertension in Patients with Type 2 Diabetes: The Rio de Janeiro Type 2 Diabetes Cohort Study. **Authors:** Claudia R L Cardoso, MD, PhD; Nathalie C Leite, MD, PhD; Giovanna Bacan; Dayane S Ataíde; Larissa K C Gorgonio; Gil F Salles, MD, PhD.

Content: Supplemental Table S1 and Figure S1.

Supplementary Table S1. Baseline characteristics and endpoints incidence of diabetic patients divided according to the presence or absence of apparent resistant hypertension and of white-coat (controlled) and true (uncontrolled) resistant hypertension, defined according to the 2017 ACC/AHA criteria (office BP \geq 130/80 mmHg and ambulatory 24-hour BP \geq 125/75 mmHg, respectively).

Characteristics	Non-apparent RHT (n=323)	Apparent RHT (n=323)	White-coat controlled RHT (n=99)	True uncontrolled RHT (n=234)
Age (years)	58.7 (10.1)	61.7 (8.5) *	63.0 (7.6) *	61.2 (8.8) †
Male sex (%)	43.7	33.4 †	29.3 †	35.0 ‡
Body mass index (kg/m ²)	28.8 (4.8)	30.7 (4.7) *	30.5 (4.8) †	30.6 (4.7) *
Smoking, current/past (%)	48.1	40.7	40.4	40.8
Physical activity (% active)	24.1	20.5	18.2	21.0
Diabetes duration (years)	7 (2.5-15)	9 (4-16) †	10 (5-18.5) *	8 (4-15)
Chronic diabetic complications (%) Cerebrovascular disease Coronary artery disease Peripheral artery disease Retinopathy Nephropathy Peripheral neuropathy	5.9 9.9 13.0 28.9 23.8 26.6	13.3 † 22.0 * 21.1 † 35.7 38.9 * 31.5	10.1 21.2 † 19.4 39.8 ‡ 27.8 28.6	15.0 * 21.8 * 21.8 † 34.6 41.8 * 31.8

Diabetes treatment (%)				
Metformin	88.2	87.3	82.8	89.3
Sulfonylureas	44.3	43.3	44.4	43.2
Insulin	43.7	52.9 ‡	49.5	54.3 ‡
Aspirin	87.9	94.9 †	94.9 ‡	93.9 ‡
Dyslipidemia (%)	85.8	89.8	88.9	90.2
Statins use (%)	73.1	82.6 †	81.8	83.2 †
Blood pressures (mmHg)				
Office SBP	133 (18)	158 (25) *	151 (23) *	160 (26) *
Office DBP	78 (11)	86 (14) *	83 (14) *	86 (14) *
Ambulatory 24h SBP	124 (12)	133 (17) *	116 (6) *	140 (14) *
Ambulatory 24h DBP	73 (9)	75 (11) ‡	65 (6)*	79 (10) *
Number of anti-hypertensive drugs	1 (1-2)	3 (3-4) *	3 (3-4) *	3 (3-4) *
Laboratory variables				
Fasting glycemia (mmol/l)	7.9 (2.7)	8.4 (2.8) ‡	7.8 (2.6)	8.6 (2.9) *
$HbA_{1c}(\%)$	7.5 (1.4)	7.9 (1.6) *	7.4 (1.3)	8.1 (1.7) *
(mmol/mol)	60 (15.3)	63 (17.5)	57 (14.2)	65 (18.6)
Triacylglycerol (mmol/l)	1.8 (1.2)	2.0 (1.8)	1.9 (1.9)	2.1 (1.7) †
HDL-cholesterol (mmol/l)	1.1 (0.3)	1.1 (0.3)	1.1 (0.3)	1.1 (0.3)
LDL-cholesterol (mmol/l)	2.8 (0.8)	2.8 (0.9)	2.6 (0.8)	2.9(0.9)
Glomerular filtration rate	86 (19)	76 (20) *	77 (20) *	76 (20) *
$(ml/min/1.73m^2)$	CHANGE OF PROPERTY.	00 0000 1 00000 1 00	24 - 62 - 64 X - 555 6 X / 2	the second state of
Albuminuria (mg/24h)	12 (7-26)	17 (7-66) †	10 (6-32)	19 (8-104) *
	3 16	(39) 26 1		

66 (21.8)	111 (42.2) *	29 (33.6)	84 (45.3) *
53 (17.0)	92 (33.4) *	23 (25.4)	71 (36.6) *
31 (9.6)	70 (24.3) *	19 (20.3) †	52 (25.6) *
85 (26.3)	137 (47.5) *	39 (41.7) †	101 (49.7) *
93 (34.0)	107 (44.2)	26 (32.3)	82 (48.5) ‡
79 (49.5)	77 (53.0)	28 (61.3)	49 (47.4)
81 (30.6%)	93 (38.0%)	25 (30.9%)	59 (43.7%) ‡
	53 (17.0) 31 (9.6) 85 (26.3) 93 (34.0) 79 (49.5)	53 (17.0) 92 (33.4) * 31 (9.6) 70 (24.3) * 85 (26.3) 137 (47.5) * 93 (34.0) 107 (44.2) 79 (49.5) 77 (53.0)	53 (17.0) 92 (33.4) * 23 (25.4) 31 (9.6) 70 (24.3) * 19 (20.3) † 85 (26.3) 137 (47.5) * 39 (41.7) † 93 (34.0) 107 (44.2) 26 (32.3) 79 (49.5) 77 (53.0) 28 (61.3)

Values are proportions, and means (standard deviations) or medians (interquartile range).

Abbreviations: RHT, resistant hypertension; SBP, systolic blood pressure; DBP, diastolic blood pressure; HbA1c, glycated hemoglobin; HDL, high-density lipoprotein; LDL, low-density lipoprotein; CVEs, cardiovascular events; MACE, major adverse cardiovascular events.

^{*} p<0.001; † p<0.01; ‡ p<0.05 for bivariate comparisons with the non-apparent RHT subgroup.

[§] Values are absolute numbers (incidence rate per 1000 patient-years of follow-up), except for peripheral neuropathy that are absolute numbers (proportions).

Supplementary Figure S1. Kaplan-Meier estimation curves of cumulative events incidence during follow-up for major adverse cardiovascular events (MACE) outcome (panels A and B), for cardiovascular mortality (panels C and D), for all-cause mortality (panels E and F) and for the renal composite outcome (panels G and H), in patients classified as non-resistant hypertension (non-RHT), white-coat/controlled resistant hypertension (wc-RHT), and true uncontrolled resistant hypertension (true RHT) by 24-hour ambulatory BP levels defined by the traditional cut-off value ($\geq 130/80$ mmHg, left panels A, C, E and G) and by the new 2017 ACC/AHA cut-off value ($\geq 125/75$ mmHg, right panels B, D, F and H).

