

**Supplementary Table 1. Biochemical parameters and blood pressure in the study population according to DIO2 Thr92Ala genotype at baseline (n = 118)**

Variable	Hypothyroidism			p value
	Total (n = 118)	T/T (n = 32)	T/A or A/A (n = 86)	
Sex				0.124
Male	17 (14.4)	2 (6.3)	15 (17.4)	
Female	101 (85.6)	30 (93.2)	71 (82.6)	
Age, yr				0.691
40–50	56 (47.4)	15 (46.9)	41 (47.7)	
50–60	31 (26.3)	10 (31.2)	21 (24.4)	
60–70	31 (26.3)	7 (21.9)	24 (27.9)	
BMI, kg/m <sup>2</sup>	25.10 ± 3.15	24.76 ± 3.35	25.23 ± 3.09	0.479
Drinking				0.523
Non-drinking	76 (64.4)	23 (71.9)	53 (61.6)	
Former-drinking	5 (4.2)	2 (6.2)	3 (3.5)	
Drinking	36 (30.5)	7 (21.9)	29 (33.7)	
NA	1 (0.9)	0	1 (1.2)	
Smoking				0.391
Non-smoking	96 (81.4)	29 (90.6)	67 (77.9)	
Former-smoking	10 (8.5)	2 (6.3)	8 (9.3)	
Smoking	9 (7.6)	1 (3.1)	8 (9.3)	
NA	3 (2.5)	0	3 (3.5)	
Medication of anti-hypertension				0.145
No	97 (82.2)	29 (90.6)	68 (79.1)	
Yes	21 (17.8)	3 (9.4)	18 (20.9)	
Medication of anti-diabetes mellitus				0.100
No	117 (99.2)	31 (96.9)	86 (100.0)	
Yes	1 (0.8)	1 (3.1)	0	
Medication of anti-dyslipidemia				1.000
No	118 (100)	32 (100)	86 (100)	
Yes	0	0	0	
SBP (left), mmHg	120.86 ± 19.06	112.63 ± 17.68	123.93 ± 18.74	0.004 <sup>a</sup>
DBP (left), mmHg	80.73 ± 12.27	74.81 ± 10.57	82.93 ± 12.19	0.001 <sup>a</sup>
SBP (right), mmHg	122.42 ± 20.44	116.38 ± 19.67	124.67 ± 20.38	0.050
DBP (right), mmHg	80.34 ± 12.63	75.06 ± 9.89	82.30 ± 13.03	0.005 <sup>a</sup>
SBP <sup>b</sup> , mmHg	121.64 ± 19.23	114.50 ± 18.40	124.30 ± 18.96	0.013 <sup>a</sup>
DBP <sup>b</sup> , mmHg	80.53 ± 11.93	74.94 ± 9.69	82.62 ± 12.06	0.002 <sup>a</sup>
Fasting glucose, mg/dL	89.23 ± 22.04	93.16 ± 40.18	87.77 ± 8.47	0.239
Insulin, $\mu$ IU/mL	7.41 ± 3.27	7.37 ± 3.92	7.42 ± 3.02	0.935
HbA1c, %	5.66 ± 0.56	5.64 ± 0.64	5.67 ± 0.53	0.789
Total protein, g/dL	7.39 ± 0.44	7.38 ± 0.50	7.40 ± 0.42	0.839
Albumin, g/dL	4.51 ± 0.27	4.54 ± 0.24	4.50 ± 0.27	0.482
Creatinine, mg/dL	0.76 ± 0.18	0.75 ± 0.18	0.76 ± 0.18	0.742

**Supplementary Table 1. Continued**

Variable	Hypothyroidism			p value
	Total (n = 118)	T/T (n = 32)	T/A or A/A (n = 86)	
Total bilirubin, mg/dL	0.59 ± 0.27	0.65 ± 0.28	0.57 ± 0.26	0.145
AST, IU/L	27.54 ± 34.06	35.50 ± 62.90	24.58 ± 11.03	0.122
ALT, IU/L	24.50 ± 36.70	32.81 ± 67.47	21.41 ± 12.57	0.134
Total cholesterol, mg/dL	200.28 ± 36.15	199.34 ± 28.87	200.63 ± 38.65	0.865
HDL-C, mg/dL	51.25 ± 13.75	53.53 ± 14.32	50.41 ± 13.52	0.274
Ca, mg/dL	9.47 ± 0.46	9.42 ± 0.54	9.49 ± 0.43	0.451
Na, mmol/L	142.49 ± 2.10	142.44 ± 1.56	142.51 ± 2.27	0.865
K, mmol/L	4.41 ± 0.32	4.43 ± 0.37	4.40 ± 0.31	0.642
Cl, mmol/L	103.03 ± 2.48	103.31 ± 2.29	102.92 ± 2.55	0.446
Free T4, ng/mL	1.50 ± 0.32	1.24 ± 0.43	1.56 ± 0.32	0.421
TSH, µU/mL	0.90 ± 0.93	2.09 ± 0.40	0.66 ± 0.81	0.181

Values are presented as number (%) or mean ± standard deviation. The chi-squared test and *t* test were used to evaluate the significance of the correlations between DIO2 polymorphisms and clinical parameters.

DIO2, type 2 iodothyronine deiodinase; BMI, body mass index; NA, not available; SBP, systolic blood pressure; DBP, diastolic blood pressure; HbA1c, glycated hemoglobin; AST, aspartate transaminase; ALT, alanine transferase; HDL-C, high-density lipoprotein cholesterol; T4, thyroxine; TSH, thyroid-stimulating hormone.

<sup>a</sup>*p* value by analysis of *t* test as appropriate.

<sup>b</sup>Average of the left and right sides.