

Supplemental Table S2. Comparison of TFT Results and Associated Parameters between Visits during ‘on LT4’ and ‘off LT4 or rhTSH’

TFT results and associated parameters	On LT4 (Visit 1/3) ^a	Off LT4 or rhTSH (Visit 2) ^b	P value
Hypothyroidism group, <i>n</i>	29	30	-
Free T4, ng/dL	1.74±0.23	0.08±0.06	<0.001 ^c
TSH, mIU/L	0.19 (0.87)	84.40 (46.74)	<0.001 ^d
Zulewski’s clinical score	1 (2)	1 (2)	0.089 ^d
On-site rHR, bpm	84.9±10.4	73.0±10.9	<0.001 ^c
WD-rHR, bpm	68.5±8.3	60.2±6.4	<0.001 ^c
WD-sleepHR, bpm	63.0±9.0	55.3±6.1	<0.001 ^c
WD-2to6HR, bpm	64.5±8.2	56.7±6.7	<0.001 ^c
Control group, <i>n</i>	14	14	-
Free T4, ng/dL	1.68±0.19	1.56±0.18	0.021 ^c
TSH, mIU/L	0.22 (0.44)	157.63 (50.61)	0.001 ^d
Zulewski’s clinical score	2 (2)	2 (1)	0.926 ^d
On-site rHR, bpm	83.0±14.5	79.5±12.5	0.262 ^c
WD-rHR, bpm	67.1±7.0	64.5±6.2	0.026 ^c
WD-sleepHR, bpm	63.5±6.2	61.0±6.4	0.010 ^c
WD-2to6HR, bpm	63.6±6.0	61.2±7.0	0.027 ^c

Values are expressed as mean ± standard deviation or median (interquartile range).

TFT, thyroid function test; LT4, levothyroxine; rhTSH, recombinant human thyrotropin; T4, thyroxine; TSH, thyroid stimulating hormone; rHR, resting heart rate; bpm, beats per minute; WD-rHR, rHR from wearable device; WD-sleepHR, HR during sleep from wearable device; WD-2to6HR, HR from 2:00 AM to 6:00 AM from wearable device.

^aIn case of missing data at Visit 1, data at Visit 3 were included in the analyses; ^bAt Visit 2, the hypothyroidism group was off LT4 but the control group received rhTSH instead of LT4 withdrawal; ^cDerived from paired *t* test; ^dDerived from Wilcoxon signed-rank test.