

Table S1 The comparison of the season and outside max/min temperature on scanning day between the two groups

	Hypothyroid, n=36	Euthyroid, n=36	t/ χ^2	P value
Season, n (%)			3.493	0.322
Spring	7 (19.4)	11 (30.6)		
Summer	8 (22.2)	11 (30.6)		
Autumn	15 (41.7)	8 (22.2)		
Winter	6 (16.7)	6 (16.7)		
Maximum temperature (°C)			-0.317	0.752
Mean \pm SD	22.33 \pm 6.71	22.88 \pm 8.10		
Range	9–33	8–33		
Minimum temperature (°C)			-0.682	0.498
Mean \pm SD	13.80 \pm 6.92	14.91 \pm 6.90		
Range	0–24	2–23		

P values were determined by two independent sample *t* test and Chi-square test between the patients with hypothyroidism and the controls.

Table S2 Bivariate correlations between background SULs and season and outside max/min temperature on scanning day

Factors	Coefficient	P-value
L-SUL		
Season*	0.043	0.721
Maximum temperature	0.014	0.905
Minimum temperature	-0.005	0.969
BP-SUL		
Season*	0.008	0.949
Maximum temperature	-0.048	0.690
Minimum temperature	-0.053	0.660
M-SUL		
Season*	-0.005	0.643
Maximum temperature	0.042	0.724
Minimum temperature	0.074	0.539

Factors labeled with * are Spearman correlations, because they were non-normal variables. The other factors were Pearson correlations. L-SUL, liver normalized standard uptake value; BP-SUL, aortic blood-pool normalized standard uptake value, M-SUL, muscle normalized standard uptake value.