

Table 1. The characteristics based on vitamin D insufficiency

	Vitamin D insufficiency [25(OH)D <75 nmol/L] (n=321)	Vitamin D sufficiency [25(OH)D ≥75 nmol/L] (n=455)	P-value
Age (years)	43.7 ± 15.2	46.7 ± 13.4	0.004
Female gender [n (%)]	290 (90.3%)	351 (77.1%)	0.000
Body mass index (kg/m²)	23.2 ± 3.4	24.0 ± 3.7	0.002
PTH (ng/L)	32.4 ± 21.9	27.2 ± 13.6	0.000
Calcium (mmol/L)	2.28 ± 0.13	2.28 ± 0.13	0.395
Phosphorus (mmol/L)	1.29 ± 0.23	1.26 ± 0.23	0.162
fT4 (pmol/L)	19.1 ± 13.3	19.7 ± 12.0	0.501
TSH (mIU/L)	5.2 ± 12.0	3.2 ± 7.3	0.006
TSHR-Ab (IU/L)	6.6 ± 54.5	4.1 ± 15.8	0.363
TPO-Ab (mIU/L)	269.0 ± 643.0	199.8 ± 496.2	0.117
Tg-Ab (mIU/L)	190.9 ± 430.1	145.2 ± 354.1	0.204
Prevalence of TPO- or Tg-Ab positivity [n (%)]	145 (45.6)	169 (37.1)	0.019

Data are mean ± standard deviation.

Calcium was corrected calcium. Bold values were $p < 0.05$.

25(OH)D, 25-hydroxyvitamin D; PTH, parathyroid hormone; fT4, free thyroxine; TSH, thyroid stimulating hormone; TSHR-Ab, TSH receptor antibody; TPO-Ab, thyroid peroxidase antibody; Tg-Ab, thyroglobulin antibody.