

Supplementary data for the article:

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Supplementary material

Evaluation of trace metals in thyroid tissues: Comparative analysis with benign and malignant thyroid diseases

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Fig. 1. Box-plots for investigating metals in the tissue samples.

Table S1. Validation parameters of ICP-MS method.

Table S2. Results of Kolmogorov-Smirnov (KS) test.

Table S1**Validation parameters of ICP-MS method.**

	LOD ^a	LOQ ^b	SRM (mg/kg)		
			Found	Certified	Recovery (%)
Mn	0.0068	0.0228	9.46	10.5	90.1
Cu	0.0161	0.0536	263.5	275.2	95.75
Zn	0.2044	0.6812	188.0	181.1	103.81
As	0.0101	0.0336	21.85 ^c	19.6 ^c	111.5
Se	0.0208	0.0692	1.87	2.0	93.5
Cd	0.0084	0.0280	92.2 ^c	97.0 ^c	95.1
Pb	0.0094	0.0313	64.1	62.8	102.1
U	0.0009	0.0030	-	-	-

^a Limit of detection (LOD)^b Limit of quantification (LOQ)^c ng/g**Table S2****Results of Kolmogorov-Smirnov (KS) test.**

	Mn	Zn	Cu	As	Se	Cd	Pb	U
CG	0.000	0.194	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.000	0.000	0.000	0.010	0.000	0.021	0.200	0.000
HT	0.159	0.200	0.004	0.007	0.174	0.020	0.200	0.200
MNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TC	0.000	0.001	0.028	0.000	0.077	0.000	0.000	0.000

*The significance level is 0.05.