Supplementary material for the article:

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Supplementary material

Cadmium as main endocrine disruptor in papillary thyroid carcinoma and the significance of Cd/Se ratio for thyroid tissue pathophysiology

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Table S1. Median and interquartile range (IQR) for metals (in ng/g) and differences between two sets of data by Mann-Whitney U-test for HTT samples.

Table S2. Results of Kruskal-Wallis test according to age, PH type, T and N stage.

Table S1

Results of Kruskal-Wallis test (a difference between two sets of data is significant when *p* value is less or equal to 0.05).

	Age groups		PH type		T stage		N stage	
	p-value	Fisher (LSD)	*p-value*	Fisher (LSD)	*p-value*	Fisher (LSD)	*p-value*	Fisher (LSD)
Mn	0.3444	/	0.1370	/	**0.0468**	T1(T2) T2(T3)	**0.0226**	N0(Nx)
Co	0.5881	/	0.6848	/	0.3979	/	**0.0089**	N0(Nx)
Ni	0.7609	/	0.6079	/	0.7534	/	0.3556	/
Cu	0.4187	/	0.2923	/	0.2556	/	0.0940	/
Zn	0.2634	/	0.9557	/	0.4340	/	0.1432	/
As	0.4230	/	0.7043	/	0.0121	/	0.3308	/
Se	0.2727	/	**0.0481**	Follicular (solid)	**0.0409**	T1(T2)	0.6942	/
Cd	**0.0052**	Group 1 (Group 3) Group 2 (Group 3)	0.8145	/	0.6058	/	0.2894	/
Pb	0.3118	/	0.6441	/	0.9889	/	**0.0226**	N0(Nx)
Th	0.5606	/	0.7884	/	0.1965	/	**0.0089**	N0(Nx)
U	**0.0174**	Group 1 (Group 2)	**0.0434**	Follicular (solid)	0.8067	/	0.3556	/
Cu/Zn	0.3301	/	0.2157	/	0.7396	/	0.0940	/
Cd/Se	**0.0072**	Group 1 (Group 3) Group 2 (Group 3)	0.5404	/	0.1843	/	0.1432	/

Table S2

Median and interquartile range (IQR) for metals (in ng/g) and differences between two sets of data by Mann-Whitney U-test for HTT samples.

	Sex					Smoking habits				
	Women		Men			Yes		No		
	median	IQR	median	IQR	*p**	median	IQR	median	IQR	*p**
Mn	119	58	130	77	0.346	107	62	124	62	0.583
Co	4.27	2.83	3.42	18.92	0.137	3.94	2.20	3.98	3.22	0.678
Ni	74	118	85	182	0.775	80	137	74	140	0.981
Cu	310	173	372	311	0.185	253	152	352	208	**0.020**
Zn	5642	3253	7032	3094	**0.048**	5778	2392	5908	3753	0.666
As	1.23	1.82	1.23	1.31	0.635	0.84	1.23	1.26	1.93	0.243
Se	114	90	136	117	0.521	80	84	136	106	0.059
Cd	30	54	46	137	0.172	72	58	30	47	**0.033**
Pb	19	13	19	10	0.430	18	14	20	12	0.875
Th	0.12	0.14	0.11	0.09	0.291	0.12	0.21	0.12	0.11	0.383
U	0.050	0.030	0.045	0.050	0.112	0.065	0.050	0.045	0.050	**0.014**
Cu/Zn	0.05	0.03	0.05	0.05	0.68	0.05	0.02	0.06	0.04	0.093
Cd/Se	0.265	0.330	0.375	0.930	0.336	0.725	1.040	0.245	0.310	**0.005**

*Differences between two sets of data is significant when p value is less or equal to 0.05