

HAIR ELEMENTS



PATIENT: Number 419
SEX: Male
AGE: 30
LOCATION: Austria

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE		
			68 th	95 th	
Aluminum	1.6	< 7.0	██████████		
Antimony	0.011	< 0.066	●		
Arsenic	0.036	< 0.080	██████████		
Barium	0.29	< 1.0	██████████		
Beryllium	< 0.01	< 0.020			
Bismuth	0.004	< 2.0	●		
Cadmium	0.011	< 0.065	●		
Lead	0.07	< 0.80	██		
Mercury	< 0.03	< 0.80			
Platinum	< 0.003	< 0.005			
Thallium	< 0.001	< 0.002			
Thorium	< 0.001	< 0.002			
Uranium	0.046	< 0.060	██████████		
Nickel	0.37	< 0.20	██████████		
Silver	0.01	< 0.08	██		
Tin	0.06	< 0.30	██		
Titanium	0.40	< 0.60	██████████		
Total Toxic Representation			██████████		

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	689	200- 750			██████████		
Magnesium	62	25- 75			██████████		
Sodium	62	20- 180			●		
Potassium	54	9- 80			██████████		
Copper	20	11- 30			██████████		
Zinc	190	130- 200			██████████		
Manganese	0.10	0.08- 0.50			██████████		
Chromium	0.34	0.40- 0.70	██████████		██████████		
Vanadium	0.025	0.018- 0.065			██████████		
Molybdenum	0.023	0.025- 0.060			██████████		
Boron	0.99	0.40- 3.0			██		
Iodine	0.09	0.25- 1.8	██████████		██████████		
Lithium	0.010	0.007- 0.020			●		
Phosphorus	219	150- 220			██████████		
Selenium	0.59	0.70- 1.2			██████████		
Strontium	3.9	0.30- 3.5			██████████		
Sulfur	47900	44000- 50000			██████████		
Cobalt	0.40	0.004- 0.020			██████████		
Iron	7.3	7.0- 16			██████████		
Germanium	0.034	0.030- 0.040			██		
Rubidium	0.041	0.011- 0.12			██		
Zirconium	0.022	0.020- 0.44			██████████		

SPECIMEN DATA

COMMENTS:

Date Collected: 6/15/2010 Sample Size: 0.197 g
 Date Received: 6/24/2010 Sample Type: Head
 Date Completed: 6/26/2010 Hair Color:
 Client Reference: 1234033 Treatment:
 Methodology: ICP-MS Shampoo:

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	11.1	4- 30
Ca/P	3.15	0.8- 8
Na/K	1.15	0.5- 10
Zn/Cu	9.5	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 419

1. What are your current symptoms and health history?

Born in 1980

Since 1980: absent-mindedness, procrastination, trembling hands, timidity

1995: cant control circadian rhythm, sweating hands, short term memory problems

sometimes reddening, cold hands and feet

1998: seeing at night is impaired - especially the transition from bright to dark make problems

2003: melancholy

2004: depressions, fatiguable, headache - pressure in my head, giddy, brain-fog,

2007: tensely, restlessness, listless, fearfulness, withdrawing social contacts, a nonliquid discharge slowly builds up in the nose

2008: nightmares, irritability, back-ache

2009: compulsive behavior

2010: now i have all these problems togehter - with ups and downs.

2. Dental history

Wisdom teeth were removed 2000-2003. One still left.

No root canals, one amalgam filling - but triple-layered, from 1991 to 1998, the filling got swallowed and after that the tooth got pulled out.

3. What dental work do you currently have in place? What part of the dental clean-up

have you completed?

Cement and composite fillings now in place.

4. What dentistry did your mother have at any time before or during pregnancy?

Several amalgam fillings while pregnant with me.

5. What vacciantions have you had and when?

Never had flu vaccines but had all the childhood vaccines.

6. Supplements and medications taken at time of hair test, or for the 3-6 months before the sample was taken?

Multi Vitamin. Including: Vitamin A,E,C,B,D,K, Biotin, folic acid, pantothenic acid, magnesium, calcium, all for about 100% compared to a daily requirement.

Chromium, iron, zinc, selenium, for about 50%

Iodine and manganese for about 25%

7. What is your age, height and weight?

30 years old, 5.87 feet, 165 pounds

8. Other information you feel may be relevant?

My mother works as a dental assistant.

Before, during and after pregnancy.