

HAIR ELEMENTS



PATIENT: Number 241
SEX: Male
AGE: 47
LOCATION: Bologna, Northern Italy

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	4.9	< 7.0		
Antimony	0.018	< 0.066		
Arsenic	0.038	< 0.080		
Barium	0.75	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.013	< 2.0		
Cadmium	0.022	< 0.065		
Lead	0.32	< 0.80		
Mercury	1.6	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.025	< 0.060		
Nickel	0.28	< 0.20		
Silver	0.01	< 0.08		
Tin	0.06	< 0.30		
Titanium	0.35	< 0.60		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS							
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	1360	200- 750					
Magnesium	60	25- 75					
Sodium	29	20- 180					
Potassium	22	9- 80					
Copper	9.7	11- 30					
Zinc	230	130- 200					
Manganese	0.14	0.08- 0.50					
Chromium	0.40	0.40- 0.70					
Vanadium	0.027	0.018- 0.065					
Molybdenum	0.035	0.025- 0.060					
Boron	0.41	0.40- 3.0					
Iodine	0.33	0.25- 1.8					
Lithium	0.009	0.007- 0.020					
Phosphorus	202	150- 220					
Selenium	0.85	0.70- 1.2					
Strontium	4.8	0.30- 3.5					
Sulfur	50200	44000- 50000					
Cobalt	0.005	0.004- 0.020					
Iron	7.2	7.0- 16					
Germanium	0.027	0.030- 0.040					
Rubidium	0.026	0.011- 0.12					
Zirconium	0.015	0.020- 0.44					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 12/17/2008	Sample Size: 0.199 g			Ca/Mg	22.7	4- 30
Date Received: 1/17/2009	Sample Type: Head			Ca/P	6.73	0.8- 8
Date Completed: 1/21/2009	Hair Color: Black			Na/K	1.32	0.5- 10
Client Reference:	Treatment:			Zn/Cu	23.7	4- 20
Methodology: ICP-MS	Shampoo: Hellis			Zn/Cd	> 999	> 800

V010.08

Health history for hair test 241.

1) What are your current symptoms and health history?

Apathy, muscle weakness, sensitivity to light and sounds, lack of motivation, hypothyroidism treated with 75 mg of thyroxin (1992 was overactive – 1996 thyroid gland burned with radioactive iodine (131) to avoid surgical removal), morning tiredness, irritability, tendency towards OCD stereotyped behaviors, difficulties in getting on with people, diffident, suspicious, marked lack of trust, defiant behavior, never happy, melancholic low mood, energy excess at night: takes long walks past midnight, excess worry for cleanliness and germs, very anxious, very difficult for him to understand what people mean and for others to guess his rigid logic behind apparently senseless behaviors, hates responding to requests, very intolerant to traffic fumes, perfumes, deodorants and many smells. Prone to bruises, overly sensitive to touch, introvert, undecisive. Likes repetitive conversations over same old obvious, granted topics no one bothers with.

2) Dental history (wisdom teeth removed? First root canal placed?

Braces? First amalgam etc...)

Lower left wisdom tooth removed 15 years ago. Just 1 top left pre-molar root canal. Wore braces around 10 year old. First of 5 amalgam fillings around age 25

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

5 amalgam fillings removed safely from August 2007 to January 2008. One of the front top teeth never came down, so at 16 got an operation and put a double capsule round the other with back metal support (still in place now). So mouth clean-up not completed yet.

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

Mother had no probs with teeth (fillings or root canals)

5) What vaccinations have you had and when (including flu and especially travel shots)?

All child vaccinations plus military mandatory chest vax shot against all diseases at 22.

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

75 mg thyroxin

7) Other information you feel may be relevant?

Works in the traffic 6 days a week, had worked in a bus deposit breathing in lots of diesel for 7 years 'til 2003.

8) What is your location - city & country (so that we can learn where certain toxins are more prevalent).

Bologna, Northern Italy, traffic polluted, industries, humidity around 95%.