

HAIR ELEMENTS



PATIENT: Number 215
SEX: Male
AGE: 37

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	4.2	< 7.0		
Antimony	0.026	< 0.066		
Arsenic	1.4	< 0.080		
Beryllium	< 0.01	< 0.020		
Bismuth	0.31	< 2.0		
Cadmium	0.13	< 0.15		
Lead	0.37	< 2.0		
Mercury	0.48	< 1.1		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.010		
Thorium	< 0.001	< 0.005		
Uranium	0.005	< 0.060		
Nickel	0.38	< 0.40		
Silver	1.9	< 0.12		
Tin	0.19	< 0.30		
Titanium	0.15	< 1.0		
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	643	200- 750					
Magnesium	320	25- 75					
Sodium	930	12- 90					
Potassium	40	9- 40					
Copper	8.1	10- 28					
Zinc	140	130- 200					
Manganese	4.3	0.15- 0.65					
Chromium	0.27	0.20- 0.40					
Vanadium	< 0.008	0.018- 0.065					
Molybdenum	0.13	0.025- 0.064					
Boron	2.2	0.40- 3.0					
Iodine	1.4	0.25- 1.3					
Lithium	0.028	0.007- 0.023					
Phosphorus	160	160- 250					
Selenium	0.90	0.95- 1.7					
Strontium	2.0	0.30- 3.5					
Sulfur	48100	44500- 52000					
Barium	3.4	0.16- 1.6					
Cobalt	0.022	0.013- 0.035					
Iron	16	5.4- 13					
Germanium	0.031	0.045- 0.065					
Rubidium	0.038	0.011- 0.12					
Zirconium	1.1	0.020- 0.44					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 9/17/2008	Sample Size: 0.204 g			Ca/Mg	2.01	4- 30
Date Received: 9/20/2008	Sample Type: Head			Ca/P	4.02	0.8- 8
Date Completed: 9/24/2008	Hair Color: Brown			Na/K	23.3	0.5- 10
	Treatment:			Zn/Cu	17.3	4- 20
Methodology: ICP-MS	Shampoo: Avalon Organic			Zn/Cd	> 999	> 800
	V06.99					

Health history 215

1) What are your current symptoms and health history?

Current symptoms: Fatigue, poor digestion, allergies, joint pain, tingling hands, memory loss, dizziness, brain fog. History of childhood asthma; postprandial fatigue since age 13, greatly improved by taking digestive enzymes (up to 2200 mg of 8X Pancreatin and up to 2600 mg of Betaine Hydrochloric Acid with each meal or snack).

2) Dental history

Several amalgams in baby teeth; one amalgam in adult tooth, placed in 2000, removed July 2008. Braces as a teenager. Two or three wisdom teeth removed.

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

Amalgam replaced with white plastic in July 2008, using proper precautions. No amalgams now. Two composite (white plastic) fillings.

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

Several amalgams and some gold fillings. Amalgams corrode faster in the presence of gold.

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

The usual vaccinations given to children in the United States during the 1970s (measles, mumps, rubella, polio, tetanus, etc.; plus Ampicillin and Prednisone in childhood; Hepatitis A & B in 2000; occasional tetanus shots; annual influenza vaccines 2002-2007.

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

Most of Cutler's recommended supplements, including zinc=50, molybdenum=1650, and magnesium=1200 mg, many vitamins, plus manganese 10 mg, potassium 99 mg, and calcium 400 mg per day; B-12 shots, 1 mL every 2-3 weeks. Chelated (6-8 mg DMSA) 6 rounds in 8 weeks prior to hair test. Now chelating with 6 mg DMSA and 3 mg ALA.

7) Other information you feel may be relevant?

Unwittingly drank arsenic in well water from March 1998 to July 2008. A recent water test revealed naturally occurring arsenic at 134 parts per billion; "safe" limit in USA is 10.

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

Lake Lillian, Minnesota, USA