

HAIR ELEMENTS



PATIENT: Number 148
SEX: Male
AGE: 44

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	9.7	< 7.0		
Antimony	0.027	< 0.066		
Arsenic	0.042	< 0.080		
Beryllium	< 0.01	< 0.020		
Bismuth	0.17	< 2.0		
Cadmium	0.059	< 0.15		
Lead	0.39	< 2.0		
Mercury	0.31	< 1.1		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.010		
Thorium	< 0.001	< 0.005		
Uranium	0.012	< 0.060		
Nickel	0.19	< 0.40		
Silver	0.01	< 0.12		
Tin	0.17	< 0.30		
Titanium	0.39	< 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	1860	200- 750					
Magnesium	110	25- 75					
Sodium	29	12- 90					
Potassium	9	9- 40					
Copper	10	10- 28					
Zinc	160	130- 200					
Manganese	0.16	0.15- 0.65					
Chromium	0.30	0.20- 0.40					
Vanadium	0.031	0.018- 0.065					
Molybdenum	0.051	0.025- 0.064					
Boron	1.4	0.40- 3.0					
Iodine	2.1	0.25- 1.3					
Lithium	0.006	0.007- 0.023					
Phosphorus	189	160- 250					
Selenium	1.1	0.95- 1.7					
Strontium	1.8	0.30- 3.5					
Sulfur	48300	44500- 52000					
Barium	1.5	0.16- 1.6					
Cobalt	0.038	0.013- 0.035					
Iron	11	5.4- 13					
Germanium	0.029	0.045- 0.065					
Rubidium	0.009	0.011- 0.12					
Zirconium	0.021	0.020- 0.44					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 2/1/2008	Sample Size: 0.198 g			Ca/Mg	16.9	4- 30
Date Received: 2/11/2008	Sample Type: Head			Ca/P	9.84	0.8- 8
Date Completed: 2/15/2008	Hair Color: Brown			Na/K	3.22	0.5- 10
	Treatment:			Zn/Cu	16	4- 20
Methodology: ICP-MS	Shampoo: Treseemme			Zn/Cd	> 999	> 800

1) What are your current symptoms and health history?

Chronic Fatigue for 5 years, roller coaster mental symptoms, cannot relax body. Anxious at times. At times hypoglycaemic. Definitely Adrenal Fatigued possibly Thyroid problems (although normal tests come back normal - TSH and whatnot)

2) Dental history (wisdoms removed? First root canal placed? Braces? First amalgam etc...)

2+ years of dental work prior to onset including 3-4 crowns, 2 root canals and REMOVAL (with no precautions) of 3-4 amalgams.

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

1 mercury amalgam, a couple alloy (I believe) fillings, 4 composite crowns (2 with root canal), 1 metal/porcelain crown.

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

Not sure but she has a mouth full of fillings.

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

All required in mid 60's including smallpox

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

Tryptophan, magnesium, selenium, tyrosine, C, digestive enzymes, taurine, gaba, L-Glutamine, Milk Thistle, Molybdenum, Folicin and B12.