



PATIENT: Number 669
 SEX: Female
 AGE: 47

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	28	< 12	
Antimony (Sb)	0.010	< 0.060	
Arsenic (As)	0.022	< 0.090	
Barium (Ba)	0.68	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.065	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.06	< 1.0	
Mercury (Hg)	< 0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.021	< 0.060	
Nickel (Ni)	0.08	< 0.40	
Silver (Ag)	0.03	< 0.10	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.45	< 1.3	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th		
Calcium (Ca)	519	475- 1500			
Magnesium (Mg)	56	45- 180			
Sodium (Na)	320	80- 450			
Potassium (K)	16	28- 160			
Copper (Cu)	14	11- 30			
Zinc (Zn)	170	130- 200			
Manganese (Mn)	0.25	0.15- 0.65			
Chromium (Cr)	0.34	0.40- 0.65			
Vanadium (V)	0.014	0.018- 0.065			
Molybdenum (Mo)	0.093	0.040- 0.10			
Boron (B)	5.0	0.40- 4.0			
Iodine (I)	1.7	0.25- 1.8			
Lithium (Li)	0.023	0.008- 0.030			
Phosphorus (P)	246	250- 500			
Selenium (Se)	0.85	0.80- 1.3			
Strontium (Sr)	0.72	1.0- 8.0			
Sulfur (S)	44000	42000- 48000			
Cobalt (Co)	0.031	0.006- 0.035			
Iron (Fe)	6.2	7.0- 16			
Germanium (Ge)	0.022	0.030- 0.040			
Rubidium (Rb)	0.018	0.030- 0.25			
Zirconium (Zr)	0.45	0.040- 1.0			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 9/25/2012		Ca/Mg	9.27
Date Received: 9/28/2012		Ca/P	2.11
Date Completed: 9/29/2012		Na/K	20
Methodology: ICP/MS		Zn/Cu	12.1
Sample Size: 0.198 g	Sample Type: Pubic	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo:			
		RANGE	
		4- 30	
		1- 12	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 669

What are your current symptoms and health history?

Lack of energy and motivation, weight gain, joint pain, anemic (hemoglobin was 8 few years ago and have been on ferrous sulfate since then), some insomnia, restless legs, asthma. When running, legs feel really heavy, out of breath quickly.

However, my mother has dementia, and my father had Parkinson's Disease among other things. My son is mercury toxic (hair test 632), and I want to make sure I stay healthy.

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

Wisdom teeth removed at age 23. No other extractions, no root canals. Braces at age 12. First amalgam placed as a child.

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

Currently have six crowns - ceramic with metal band. Had this done prior to learning about mercury, etc. Dentist says he is "greater than 90% certain" there is no amalgam under the crowns because he likes to remove all of it to ensure no cracks in the remaining tooth. In general, he is very detailed oriented. No amalgams remain. All replaced with composite (3) or crowns (6).

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

Don't know

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

All the required vaccinations of a child in the 1960s and 1970s, plus flu shots. No travel shots.

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

Magnesium/calcium, vit c, vit a, vit d, vit e, fish oil, ACE, zinc, biotin, ferrous sulfate. Chelated with DMSA only (12.5mg) for 3 rounds prior to hair test because also chelating son. Gives me a headache, but still tolerable.

What is your age, height and weight?

Female, age 47, 5'9" tall, 168 pounds

Other information you feel may be relevant?

Mother has dementia and has been hypothyroid for years. Father had PD, heart problems, etc. When little, my mother used to treat our wounds/scrapes with mercurochrome. My son is mercury-toxic and has food allergies. When eating gluten/casein free with my son, I felt much better.

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

Indianapolis, USA