



PATIENT: Number 608
 SEX: Male
 AGE: 49

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.4	< 7.0	
Antimony (Sb)	0.033	< 0.066	
Arsenic (As)	0.036	< 0.080	
Barium (Ba)	1.8	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.010	< 2.0	
Cadmium (Cd)	0.070	< 0.065	
Lead (Pb)	0.89	< 0.80	
Mercury (Hg)	0.57	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.098	< 0.060	
Nickel (Ni)	0.30	< 0.20	
Silver (Ag)	0.14	< 0.08	
Tin (Sn)	0.09	< 0.30	
Titanium (Ti)	0.41	< 0.60	
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)	1870	200- 750			
Magnesium (Mg)	130	25- 75			
Sodium (Na)	120	20- 180			
Potassium (K)	69	9- 80			
Copper (Cu)	71	11- 30			
Zinc (Zn)	210	130- 200			
Manganese (Mn)	1.3	0.08- 0.50			
Chromium (Cr)	0.42	0.40- 0.70			
Vanadium (V)	0.019	0.018- 0.065			
Molybdenum (Mo)	0.029	0.025- 0.060			
Boron (B)	0.61	0.40- 3.0			
Iodine (I)	2.9	0.25- 1.8			
Lithium (Li)	0.004	0.007- 0.020			
Phosphorus (P)	203	150- 220			
Selenium (Se)	1.6	0.70- 1.2			
Strontium (Sr)	7.4	0.30- 3.5			
Sulfur (S)	47700	44000- 50000			
Cobalt (Co)	0.013	0.004- 0.020			
Iron (Fe)	14	7.0- 16			
Germanium (Ge)	0.029	0.030- 0.040			
Rubidium (Rb)	0.042	0.011- 0.12			
Zirconium (Zr)	0.058	0.020- 0.44			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 3/13/2012		Ca/Mg	14.4
Date Received: 3/16/2012		Ca/P	9.21
Date Completed: 3/17/2012		Na/K	1.74
Methodology: ICP/MS		Zn/Cu	2.96
Sample Size: 0.201 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Black	Treatment:		
Shampoo: Natures Gate			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 608

What are your current symptoms and health history? Fatigue, poor exercise recovery, Brain Fog, Insomnia, Hashimoto's auto immune disease, raised ANA titer

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)
7 amalgams most all done under age 18, but one around age 38. One root canal around age 34.

What dental work do you currently have in place? What part of the dental clean-up have you completed? Removed all amalgams over past 3 yrs. Still have one root canal.

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

What vaccinations have you had and when (including flu and especially travel shots)? No flu or travel shots. Hepatitis vaccination.

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

Vit C 2 g/day, B complex 50, Fish Oils- Carlsons 1000 mg./day, 100mcg K2, 5,000 i.u. Vit d, 400mg Mag citrate. 500mg NAC. St. Johns Wort, , 1.5g L-Tryptophan, 100mg Ubiquinol, 900mg/day Ashwagandha, Valerian, Tumeric as needed for inflammation.

What is your age, height and weight? 49, 5'-10", 185 lbs

Other information you feel may be relevant? Been gluten free for sometime

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