



PATIENT: Number 810
 SEX: Male
 AGE: 17

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.7	< 8.0	
Antimony (Sb)	0.012	< 0.066	
Arsenic (As)	0.045	< 0.080	
Barium (Ba)	0.39	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.011	< 2.0	
Cadmium (Cd)	< 0.009	< 0.060	
Lead (Pb)	0.43	< 1.0	
Mercury (Hg)	0.18	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.023	< 0.060	
Nickel (Ni)	0.06	< 0.20	
Silver (Ag)	0.01	< 0.10	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.27	< 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)	882	200- 700			
Magnesium (Mg)	83	18- 70			
Sodium (Na)	170	20- 200			
Potassium (K)	190	9- 80			
Copper (Cu)	11	11- 32			
Zinc (Zn)	180	150- 230			
Manganese (Mn)	0.14	0.08- 0.50			
Chromium (Cr)	0.35	0.40- 0.70			
Vanadium (V)	0.021	0.020- 0.075			
Molybdenum (Mo)	0.034	0.030- 0.060			
Boron (B)	2.6	0.34- 3.0			
Iodine (I)	0.68	0.25- 1.3			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	203	150- 220			
Selenium (Se)	0.75	0.70- 1.2			
Strontium (Sr)	1.5	0.30- 3.2			
Sulfur (S)	44800	44000- 50000			
Cobalt (Co)	0.007	0.004- 0.020			
Iron (Fe)	6.8	7.0- 16			
Germanium (Ge)	0.029	0.030- 0.040			
Rubidium (Rb)	0.15	0.009- 0.090			
Zirconium (Zr)	0.094	0.047- 0.70			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 06/29/2013	Sample Size: 0.194 g	Ca/Mg	10.6
Date Received: 07/03/2013	Sample Type: Head	Ca/P	4.34
Date Completed: 07/06/2013	Hair Color: Black	Na/K	0.895
Methodology: ICP/MS	Treatment:	Zn/Cu	16.4
	Shampoo: Pert	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 810

1. What are your current symptoms and health history? Autism
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) None
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? One small white filling
4. What dentistry did your mother have at any time before or during pregnancy? Yes, silver filling before and during pregnancy
5. What vaccinations have you had and when (including flu and especially travel shots)? First 3 years of shots required
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? Biosuperfood (4 caps), fish oil, probiotics, B complex, GABA, Adrenal Cortex Extract, homeopathy support
7. What is your age, height and weight? 17, 5' 9", 127 lbs
8. Other information you feel may be relevant? High fish consumption at my early age
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent). Milwaukee, WI, USA