



PATIENT: Number 840
 SEX: Male
 AGE: 4

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	11	< 8.0	
Antimony (Sb)	0.024	< 0.066	
Arsenic (As)	0.027	< 0.080	
Barium (Ba)	0.52	< 0.50	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.32	< 2.0	
Cadmium (Cd)	0.017	< 0.070	
Lead (Pb)	0.43	< 1.0	
Mercury (Hg)	0.07	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.010	< 0.060	
Nickel (Ni)	0.26	< 0.20	
Silver (Ag)	1.9	< 0.20	
Tin (Sn)	0.30	< 0.30	
Titanium (Ti)	0.53	< 1.0	
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)	551	125- 370			
Magnesium (Mg)	360	12- 30			
Sodium (Na)	61	20- 200			
Potassium (K)	98	12- 200			
Copper (Cu)	16	11- 18			
Zinc (Zn)	190	100- 190			
Manganese (Mn)	0.38	0.10- 0.50			
Chromium (Cr)	0.37	0.43- 0.80			
Vanadium (V)	0.031	0.030- 0.10			
Molybdenum (Mo)	0.036	0.050- 0.13			
Boron (B)	31	0.70- 5.0			
Iodine (I)	1.6	0.25- 1.3			
Lithium (Li)	0.007	0.007- 0.020			
Phosphorus (P)	152	150- 220			
Selenium (Se)	0.73	0.70- 1.1			
Strontium (Sr)	1.3	0.16- 1.0			
Sulfur (S)	49600	45500- 53000			
Cobalt (Co)	0.014	0.004- 0.020			
Iron (Fe)	11	7.0- 16			
Germanium (Ge)	0.035	0.030- 0.040			
Rubidium (Rb)	0.11	0.016- 0.18			
Zirconium (Zr)	0.15	0.040- 1.0			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 07/01/2013		Ca/Mg	1.53
Date Received: 07/05/2013		Ca/P	3.63
Date Completed: 07/07/2013		Na/K	0.622
Methodology: ICP/MS		Zn/Cu	11.9
Sample Size: 0.2 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Surface			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 840

1) What are your current symptoms and health history?

constant congestion

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

no root canal, no braces. 2 composite fillings

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

n/a

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

nothing. mom had mercury fillings. during breastfeeding, mom had some amalgam fillings replaced with composite

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

no vaccinations

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

nothing taken

7) Other information you feel may be relevant?

c-section birth

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

Farmington Hills, MI, USA