



PATIENT: Number 623
 SEX: Female
 AGE: 47

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.6	< 7.0	
Antimony (Sb)	0.011	< 0.050	
Arsenic (As)	0.032	< 0.060	
Barium (Ba)	0.34	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.031	< 2.0	
Cadmium (Cd)	0.45	< 0.050	
Lead (Pb)	0.20	< 0.60	
Mercury (Hg)	0.07	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.001	< 0.060	
Nickel (Ni)	0.02	< 0.30	
Silver (Ag)	0.04	< 0.15	
Tin (Sn)	0.14	< 0.30	
Titanium (Ti)	0.14	< 0.70	
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)	249	300- 1200			
Magnesium (Mg)	17	35- 120			
Sodium (Na)	230	20- 250			
Potassium (K)	52	8- 75			
Copper (Cu)	15	11- 37			
Zinc (Zn)	150	140- 220			
Manganese (Mn)	0.22	0.08- 0.60			
Chromium (Cr)	0.37	0.40- 0.65			
Vanadium (V)	0.019	0.018- 0.065			
Molybdenum (Mo)	0.023	0.020- 0.050			
Boron (B)	0.70	0.25- 1.5			
Iodine (I)	0.60	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	141	150- 220			
Selenium (Se)	1.3	0.55- 1.1			
Strontium (Sr)	0.20	0.50- 7.6			
Sulfur (S)	46900	44000- 50000			
Cobalt (Co)	0.005	0.005- 0.040			
Iron (Fe)	6.6	7.0- 16			
Germanium (Ge)	0.024	0.030- 0.040			
Rubidium (Rb)	0.058	0.007- 0.096			
Zirconium (Zr)	0.061	0.020- 0.42			

SPECIMEN DATA		RATIOS	
COMMENTS: results checked		ELEMENTS	RATIOS
Date Collected: 5/25/2012	Sample Size: 0.201 g	Ca/Mg	14.6
Date Received: 5/29/2012	Sample Type: Head	Ca/P	1.77
Date Completed: 6/2/2012	Hair Color:	Na/K	4.42
Methodology: ICP/MS	Treatment:	Zn/Cu	10
	Shampoo:	Zn/Cd	333
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 623

1) **What are your current symptoms and health history?** Have been suffering with extreme fatigue, lightheadedness, dizziness, brain fog, numbness/tightness in face (particularly around mouth area, off and on pressure in head, headaches, blurry vision, dragging right leg - basically unable to remain standing upright for long. At this point not able to work!

2) **Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)** Had amalgams placed in early childhood - had all 12 removed by a holistic/biological dentist in 2011 along with a crown. Drooping right eye cleared up, headaches abated somewhat although still around just not as severe.

3) **What dental work do you currently have in place? What part of the dental cleanup have you completed?** All composites in place. I am 11 months from my last amalgam removal.

4) **What dentistry did your mother have at any time before or during pregnancy?** My Mom had amalgams prior to pregnancy - don't know what was done during pregnancy.

5) **What vaccinations have you had and when (including flu and especially travel shots)?** I had yearly flu shots up until 2009. I had travel shots for the far east in the 90s.

6) **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.** I take Multi-vitamins, C, B6/B12, E, forskolin, molybdenum, D.

7) **Other information you feel may be relevant?**

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