



PATIENT: Number 523
 SEX: Male
 AGE: 39

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	5.9	< 7.0	
Antimony (Sb)	0.077	< 0.066	
Arsenic (As)	0.12	< 0.080	
Barium (Ba)	0.08	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.28	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.06	< 0.80	
Mercury (Hg)	0.22	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.033	< 0.060	
Nickel (Ni)	0.05	< 0.20	
Silver (Ag)	0.06	< 0.08	
Tin (Sn)	0.04	< 0.30	
Titanium (Ti)	0.37	< 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)	123	200- 750			
Magnesium (Mg)	16	25- 75			
Sodium (Na)	15	20- 180			
Potassium (K)	3	9- 80			
Copper (Cu)	19	11- 30			
Zinc (Zn)	190	130- 200			
Manganese (Mn)	0.11	0.08- 0.50			
Chromium (Cr)	0.46	0.40- 0.70			
Vanadium (V)	0.061	0.018- 0.065			
Molybdenum (Mo)	0.026	0.025- 0.060			
Boron (B)	2.4	0.40- 3.0			
Iodine (I)	0.50	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	185	150- 220			
Selenium (Se)	0.93	0.70- 1.2			
Strontium (Sr)	0.32	0.30- 3.5			
Sulfur (S)	46400	44000- 50000			
Cobalt (Co)	0.004	0.004- 0.020			
Iron (Fe)	5.0	7.0- 16			
Germanium (Ge)	0.021	0.030- 0.040			
Rubidium (Rb)	0.006	0.011- 0.12			
Zirconium (Zr)	1.2	0.020- 0.44			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 8/29/2011	Sample Size: 0.197 g	Ca/Mg	7.69	4- 30
Date Received: 9/1/2011	Sample Type: Head	Ca/P	0.665	0.8- 8
Date Completed: 9/6/2011	Hair Color: Blond	Na/K	5	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	10	4- 20
	Shampoo: No More Tears	Zn/Cd	> 999	> 800

Health history for hair test 523

- 1. What are your current symptoms and health history?** Fatigue, brain fog, attention deficit
- 2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** First amalgams implanted during mid-teens, only two or three small amalgams in total. Amalgams removed and replaced with composite in 2003 or 2004. 3 or 4 wisdom teeth removed in 2000.
- 3. What dental work do you currently have in place? What part of the dental clean-up have you completed?** Two or three small composite fillings in place. No amalgam is present as far as I know.
- 4. What dentistry did your mother have at any time before or during pregnancy?** Unknown
- 5. What vaccinations have you had and when (including flu and especially travel shots)?** Standard polio and MMR at ten-year intervals; recent flu shot
- 6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** Fish oil (3g per day), transdermal pregnenolone 100-200mg/day, testosterone 40mg/day
- 7. What is your age, height and weight?** 39, 5'10", 195 lb.
- 8. Other information you feel may be relevant?** None
- 9. What is your location – city & country (so that we can learn where certain toxins are more prevalent).** New York City, New York