



PATIENT: Number 737
 SEX: Male
 AGE: 31

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.7	< 7.0	
Antimony (Sb)	0.014	< 0.066	
Arsenic (As)	0.043	< 0.080	
Barium (Ba)	0.07	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.11	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.07	< 0.80	
Mercury (Hg)	0.47	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.004	< 0.060	
Nickel (Ni)	0.03	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.29	< 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)	279	200- 750			
Magnesium (Mg)	30	25- 75			
Sodium (Na)	25	20- 180			
Potassium (K)	7	9- 80			
Copper (Cu)	15	11- 30			
Zinc (Zn)	200	130- 200			
Manganese (Mn)	0.03	0.08- 0.50			
Chromium (Cr)	0.39	0.40- 0.70			
Vanadium (V)	0.024	0.018- 0.065			
Molybdenum (Mo)	0.029	0.025- 0.060			
Boron (B)	3.2	0.40- 3.0			
Iodine (I)	5.4	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	186	150- 220			
Selenium (Se)	0.77	0.70- 1.2			
Strontium (Sr)	0.16	0.30- 3.5			
Sulfur (S)	49800	44000- 50000			
Cobalt (Co)	0.003	0.004- 0.020			
Iron (Fe)	5.6	7.0- 16			
Germanium (Ge)	0.034	0.030- 0.040			
Rubidium (Rb)	0.007	0.011- 0.12			
Zirconium (Zr)	2.0	0.020- 0.44			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 02/22/2013	Sample Size: 0.198 g	Ca/Mg	9.3
Date Received: 02/26/2013	Sample Type: Head	Ca/P	1.5
Date Completed: 03/01/2013	Hair Color:	Na/K	3.57
Methodology: ICP/MS	Treatment:	Zn/Cu	13.3
	Shampoo:	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 737

1. **What are your current symptoms and health history?** general anxiety, chronic fatigue (especially from exercise), difficulty getting restful sleep, brain fog, a little depression, chemical allergies (aspartame, high fructose corn syrup, maltodextrin, etc.), low testosterone
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** I had braces 16 years ago. I had multiple amalgam filling, but had the last one removed 14 months ago. I've had 3 root canals - one of them I had to have redone multiple times and had an abscess tooth as a result. Two of the root canals have crowns. First root canal was probably 16 years ago. First amalgam was when I was a child (20+ years ago).
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** I only have crowns in place now. No amalgam fillings
4. **What dentistry did your mother have at any time before or during pregnancy?** I'm not sure. She could have had multiple amalgam fillings
5. **What vaccinations have you had and when (including flu and especially travel shots)?** I have not had any vaccinations in 10+ years. I've had all of the recommended vaccinations before that. I haven't had a flu shot in 5 years.
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** I did DMSA 12.5mg according to Cutler protocol for 6 weeks before test. I did Pectasol multiple times last year. I take many different supplements, including: Vitamin C, Taurine, NAC, HCG (for testosterone - usually only once a week), adrenal cortex, niacinamide, B12, Gui Pi Wan, Probiotic, Super Oxide Dismutase, Melatonin, Vitamin E, Milk Thistle
7. **What is your age, height and weight?** Age 31, 6'2", 200 pounds.
8. **Other information you feel may be relevant?**
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** New York, USA