



PATIENT: Number 647  
SEX: Male  
AGE: 30

### Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	4.2	< 7.0	
Antimony (Sb)	0.012	< 0.066	
Arsenic (As)	0.043	< 0.080	
Barium (Ba)	0.16	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.024	< 2.0	
Cadmium (Cd)	0.022	< 0.065	
Lead (Pb)	0.95	< 0.80	
Mercury (Hg)	0.34	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.024	< 0.060	
Nickel (Ni)	0.03	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	0.02	< 0.30	
Titanium (Ti)	0.30	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>		
Calcium (Ca)	342	200- 750			
Magnesium (Mg)	32	25- 75			
Sodium (Na)	54	20- 180			
Potassium (K)	48	9- 80			
Copper (Cu)	12	11- 30			
Zinc (Zn)	180	130- 200			
Manganese (Mn)	0.07	0.08- 0.50			
Chromium (Cr)	0.37	0.40- 0.70			
Vanadium (V)	0.019	0.018- 0.065			
Molybdenum (Mo)	0.028	0.025- 0.060			
Boron (B)	3.3	0.40- 3.0			
Iodine (I)	0.80	0.25- 1.8			
Lithium (Li)	0.006	0.007- 0.020			
Phosphorus (P)	169	150- 220			
Selenium (Se)	0.80	0.70- 1.2			
Strontium (Sr)	0.43	0.30- 3.5			
Sulfur (S)	45000	44000- 50000			
Cobalt (Co)	< 0.002	0.004- 0.020			
Iron (Fe)	5.4	7.0- 16			
Germanium (Ge)	0.028	0.030- 0.040			
Rubidium (Rb)	0.10	0.011- 0.12			
Zirconium (Zr)	0.034	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 8/11/2012		Ca/Mg	10.7
Date Received: 8/13/2012		Ca/P	2.02
Date Completed: 8/15/2012		Na/K	1.13
Methodology: ICP/MS		Zn/Cu	15
Sample Size: 0.204 g		Zn/Cd	> 999
Sample Type: Head			
Hair Color: Brown			
Treatment:			
Shampoo: Salt Soap - one with nature			
		<b>RANGE</b>	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## Health history for hair test 647

### **1. What are your current symptoms and health history?**

Anxiety, addictive behavior, depression, insomnia, brain fog, paranoia, obsessive thoughts and behaviors, anger and irritability (sometimes rage), lacking in motivation, random aches and pains, fatigue, restlessness, digestive problems including nausea, excessive head hair loss... I've had a couple of minor surgeries, nothing important has been removed thankfully.

### **2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)**

First amalgam filling took place early on, maybe 3 or 4 years old, cannot remember exact age. Had a total of 8 amalgam fillings placed throughout the years into about my mid-twenties. 2 wisdom teeth pulled in early twenties, which really was unnecessary as they gave me no problems at all. No other extractions or root canals. Two porcelain crowns, No braces, but I wore invisalign for about a year which, in hindsight, I regret because of bad tooth placement.

### **3. What dental work do you currently have in place? What part of the dental clean-up have you completed?**

All amalgams have been replaced with composite material, 7 by a trained dentist and 1 by an apparently untrained dentist (trained in amalgam removal safety that is). I have two porcelain crowns.

### **4. What dentistry did your mother have at any time before or during pregnancy?**

She had me late in life and by then had quite a bit of dental work done on her already. I believe she had amalgam fillings and possibly root canals at the time of pregnancy. To this day she has root canals, some of which have needed removal due to complications recently and she wears dentures due to missing teeth.

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

I have had the flu, anthrax, typhoid, tetanus shots and small pox pricks as an adult. I cannot remember what or if I had any as a child.

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

In the past 6 months I have taken multivitamin and mineral complexes, b-vitamin complexes, sublingual M-B-12, CoQ10, Epsom Salt baths, Magnesium Oil, Vitamin D, probiotics, digestive enzymes, tyrosine, gelatine, Vitamins B6, B12, folate, Magnesium Citrate and Taurate, Ashwagandha, 5-HTP, Inositol, PhosphatidylSerine, Ascorbic Acid with Bioflavonoids, Liposomal Vitamin C, Vitamin E mixed tocopherols, Zinc Glycinate, DHEA, TD pregnenolone, coleus forskohlii, diatomaceous earth, iodine, grapefruit seed extract, kelp, beef liver powder, psyllium husks, glutamine, molybdenum, serrapeptase, bentonite clay, cod liver oil and hemp seed butter. I also took ibuprofen for a few weeks and generic benadryl on and off for help with sleep.

At the time the hair test was taken I had taken a little over 300mg of magnesium citrate, 30mg of zinc glycinate, 400 IU of vitamin e, 1 sachet of Livon liposomal vitamin c and I can't remember if I took 3 table spoons of cod liver oil that day.

### **7. What is your age, height and weight?**

30yo male. 6ft tall, 158 pounds (trouble putting on weight I think personally).

**8. Other information you feel may be relevant?**

As an adult I realized that I have suffered from depression and other mental issues from a very early age. My mother, father, and siblings also display symptoms of various mental issues including addictive behavior, anxiety, and depression and have displayed them since as early as I can remember

**9. What is your location – city & country (so that we can learn where certain toxins are more prevalent)?**

Chicago, Illinois, USA