



PATIENT: Number 904  
 SEX: Male  
 AGE: 27

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	1.6	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.096	< 0.080	
Barium (Ba)	0.89	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.009	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.04	< 0.80	
Mercury (Hg)	0.98	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.019	< 0.060	
Nickel (Ni)	0.11	< 0.20	
Silver (Ag)	< 0.006	< 0.08	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.07	< 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)	634	200- 750			
Magnesium (Mg)	61	25- 75			
Sodium (Na)	14	20- 180			
Potassium (K)	6	9- 80			
Copper (Cu)	8.3	11- 30			
Zinc (Zn)	190	130- 200			
Manganese (Mn)	0.05	0.08- 0.50			
Chromium (Cr)	0.27	0.40- 0.70			
Vanadium (V)	0.020	0.018- 0.065			
Molybdenum (Mo)	0.032	0.025- 0.060			
Boron (B)	0.65	0.40- 3.0			
Iodine (I)	0.19	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	150	150- 220			
Selenium (Se)	0.80	0.70- 1.2			
Strontium (Sr)	2.0	0.30- 3.5			
Sulfur (S)	41600	44000- 50000			
Cobalt (Co)	0.033	0.004- 0.020			
Iron (Fe)	5.7	7.0- 16			
Germanium (Ge)	0.024	0.030- 0.040			
Rubidium (Rb)	0.009	0.011- 0.12			
Zirconium (Zr)	0.026	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		ELEMENTS	RATIOS
Date Collected: 09/18/2013	Sample Size: 0.195 g	Ca/Mg	10.4
Date Received: 09/23/2013	Sample Type: Head	Ca/P	4.23
Date Completed: 09/27/2013	Hair Color: Black	Na/K	2.33
Methodology: ICP/MS	Treatment:	Zn/Cu	22.9
	Shampoo: Pantene Pro V	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## Health history for hair test 904

1)History: Meningitis and sepsis from group b strep as a infant. Many vaccinations as a child. ADD as a child.

Migraines and recurring bowel problems since childhood, Antibiotics for a couple years in adolescence for acne,

Diagnosed in the past 10 years: Migraine with aura, tinnitus, Sudden Sensorineural hearing loss, pulsatile tinnitus,

IBS alternating d/c, degenerative disk, TMJ/Bruxism, peripheral neuropathy, Gilbert's syndrome, connective tissue disorder,

Fibromyalgia, Chronic Fatigue Syndrome. Currently disabled and housebound with CFS that started with a 13 pound weight

loss from a stomach bug at 6' 2" and 130 lbs down to 118 pounds for 1.5 years.

Current Symptoms: Chest pains, heart palpitations, dizziness/vertigo, nerve pains, numbness/tingling, muscle

fasciculations, grinding teeth, visual disturbances( floaters, flashes, auras, snowy vision), brain fog, anxiety, heart

murmur, abdominal pains, frequent diarrhea and undigested foods, food intolerances.

2)Had wisdom teeth removed in high school. Had 2 root canals and one crown in high school. Had braces from age 12-17.

Had silver caps on almost all my teeth at the age of 4 and from then on had in total 12 amalgams put in. When I was 17

my previous dentist drilled 8 mercury fillings out with no protection, not even a dam, and I inhaled/swallowed a lot

not knowing anything and replaced them with composite fillings.

3) I have four mercury fillings left and one crown. I Am planning to remove the 4 amalgam fillings with a IAOMT

dentist.

4) My mother remembers having mercury fillings at a young age and also before becoming pregnant with me, but doesn't

remember how many.

5)DTP: 1986,1987(2), 1988, 1991,

Tdap: 2009

HepA: 2010,2011

HepB:2010,2011

INF: 2009,2010,2011

H1N1: 2009

MMR: 1987, 1993

POL: 1986, 1987(2), 1988, 1991

6)Herbal supplement Equilibrant and 2500mcg b12 sublingual.

7)I also have an identical twin brother with the exact same symptoms and similar test results.

8)Sacramento CA, USA