



PATIENT: Hair Test 548  
 SEX: Male  
 AGE: 38

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	3.6	< 12	
Antimony (Sb)	< 0.01	< 0.080	
Arsenic (As)	0.087	< 0.12	
Barium (Ba)	0.84	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.016	< 2.0	
Cadmium (Cd)	0.021	< 0.065	
Lead (Pb)	0.76	< 1.5	
Mercury (Hg)	0.16	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.12	< 0.060	
Nickel (Ni)	0.09	< 0.40	
Silver (Ag)	0.04	< 0.10	
Tin (Sn)	0.12	< 0.30	
Titanium (Ti)	0.26	< 0.70	
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)	371	375- 1100			
Magnesium (Mg)	29	40- 140			
Sodium (Na)	72	60- 400			
Potassium (K)	77	28- 160			
Copper (Cu)	15	11- 32			
Zinc (Zn)	170	120- 200			
Manganese (Mn)	0.19	0.15- 0.65			
Chromium (Cr)	0.40	0.40- 0.70			
Vanadium (V)	0.052	0.018- 0.065			
Molybdenum (Mo)	0.041	0.040- 0.080			
Boron (B)	0.83	0.40- 2.5			
Iodine (I)	0.32	0.25- 1.8			
Lithium (Li)	0.007	0.008- 0.030			
Phosphorus (P)	194	200- 300			
Selenium (Se)	1.3	0.80- 1.3			
Strontium (Sr)	1.8	1.0- 6.0			
Sulfur (S)	44100	41000- 47000			
Cobalt (Co)	0.002	0.006- 0.035			
Iron (Fe)	7.1	7.0- 16			
Germanium (Ge)	0.026	0.030- 0.040			
Rubidium (Rb)	0.075	0.030- 0.25			
Zirconium (Zr)	0.25	0.040- 1.0			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>	<b>RANGE</b>
Date Collected: 9/27/2011	Sample Size: 0.201 g	Ca/Mg	12.8	4- 30
Date Received: 10/1/2011	Sample Type: Pubic	Ca/P	1.91	0.8- 8
Date Completed: 10/4/2011	Hair Color:	Na/K	0.935	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	11.3	4- 20
	Shampoo: Natures Gate	Zn/Cd	> 999	> 800

## Health history for hair test 548

1. What are your current symptoms and health history?

- Ear ringing
- Highly acidic stomach
- Random sharp, needle-like pain in gut or legs
- Headaches randomly around temples (one or other)
- Sobbing
- Bouts of severe fatigue
- Leg weakness, rubber legs, lock knee on occasion
- Anxiety, Fear, Agitation
- Thoughts of death and suicide
- OCD
- Intermittent pain in colon
- Intermittent pain in pancreas tail
- Random muscle twitching, leg and arm cramping
- Ear ringing (mostly right)
- Food sensitivities
- Chemically sensitive
- Overloaded nervous system
- Light colored stools
- Pain in the feet, left big toe
- Occasional kidney ache
- Early wake (3-4 AM)
- Occasional night sweats
- Periods of frequent urination
- Increasingly intolerant of chelation, especially ALA
- Flair ups where all of the above get much worse
- Yeast issues with DMSA using this frequent protocol (16 rounds in)
- Sugar(?) crashes. Must eat frequent meals to stay "with it."

Before starting the frequent dose protocol, I chelated for approx 6 months using high dose DMSA (1500mg over 3 days followed by 12 day rests). Frequent dose protocol has stopped severe sleep disturbance issues that had to do with body jerks occurring just before sleep would kick in. Body jerks would sometimes be accompanied by electrical pulses into hands, feet, and head. Much improved cognitively since starting the frequent dose protocol. Brain fog is also mostly abated. Emotional roller coaster systems are much worse.

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

Dental history is good. No amalgams. 4 Wisdoms removed at age 17. Composite fillings throughout.

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

N/A. Teeth are fine.

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)?

Typical vaccinations during childhood. Occasional flu shots in college and years following (not consistent).

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

Note that the hair sample was not perfect. It was an "other" location making it hard to get the amount necessary of newest growth. The sample is probably more like 4-6 months.

Supplements below:

#### WAKE

- Mastic Gum (when not on Omeprazole or stomach is bothering on early wake) ~ Jarrow Formulas
- DGL
- Probiotic 40 Billion ~ Jarrow Formulas Ultra Jarro-Dophilis
- Pancreas Glandular ~ NutriCology
- Lypho-Speric Vitamin C 1000mg (Chelation Only) \*Cutler

#### BREAKFAST

- Fish Oil ~ Nordic Naturals Ultimate Omega-D3 \*Cutler
- Zinc 30mg ~ Twin Lab Zinc Caps \*Cutler
- 1/2 Selenium Tab (100 mcg) ~ Source Naturals \*Cutler
- 1/2 Adrenal Glandular Tab ~ Miller Pharmacal Group \*Cutler
- Molybdenum Picolinate 1000mcg (chelation only) ~ Thorne Research \*Cutler
- Digestive Enzyme Capsules (2) ~ Enzymedica Digest Gold
- Chromium Picolinate 200mcg ~ Twin Lab \*Cutler
- B-Complex(1) Capsule ~ Twin Lab Stress B-Complex \*Cutler
- E 800mg - Jarrow Forumulas Dry E-400 (800mg during chelation, 400mg when during extended break) \*Cutler
- CoQ10 Ubiquinol 50mg ~ LifeExtension Super Ubiquinol CoQ10 \*Cutler
- Vitamin B-12 2500mcg Spray ~ KAL

#### MORNING SNACK

- Liquid Magnesium 400mg ~ Trace Minerals Research "Mega Mag" \*Cutler

#### PRE-LUNCH

- Probiotic 5 Billion ~ Jarrow Formulas EPS
- Lypho-Speric Vitamin C 1000mg (Chelation Only) \*Cutler

#### LUNCH

- Fish Oil ~ Nordic Naturals Ultimate Omega-D3 \*Cutler
- Zinc 30mg ~ Twin Lab Zinc Caps \*Cutler
- 1/2 Selenium Tab (100 mcg) ~ Source Naturals \*Cutler
- 1/2 Adrenal Glandular Tab ~ Miller Pharmacal Group \*Cutler
- Digestive Enzyme Capsules (2) ~ Enzymedica Digest Gold
- Chromium Picolinate 200mcg ~ Twin Lab \*Cutler
- B-Complex(1) Capsule ~ Twin Lab Stress B-Complex \*Cutler
- E 800mg - Jarrow Forumulas Dry E-400 (800mg during chelation, 400mg when during extended break) \*Cutler
- CoQ10 Ubiquinol 50mg ~ LifeExtension Super Ubiquinol CoQ10 \*Cutler

#### AFTERNOON SNACK

- Liquid Magnesium 400mg ~ Trace Minerals Research "Mega Mag" \*Cutler

#### PRE-DINNER

- Probiotic 5 Billion ~ Jarrow Formulas EPS
- Zegrid OTC (20 days now)
- Lypho-Speric Vitamin C 1000mg (Chelation Only) \*Cutler

#### Dinner

- ~ Fish Oil ~ Twin Lab Mega Twin EPA ~ Cutler
- Zinc 30mg ~ Twin Lab Zinc Caps \*Cutler
- Digestive Enzyme Capsules (2) ~ Enzymedica Digest Gold
- Chromium Picolinate 200mcg ~ Twin Lab \*Cutler
- E 800mg - Jarrow Forumulas Dry E-400 (800mg during chelation, 400mg when during extended break) \*Cutler

BED

- Magnesium Creme under the kneecaps
- 1/4 Ambien on Trouble Nights
- DGL
- Neam Tea when not taking Omeprazole

\*Cutler = Cutler Protocol Suggested Supplements

7. What is your age, height and weight?

Age: 38, Height: 5'-11", Weight: 150 lbs

8. Other information you feel may be relevant?

Confirmed lead source being exterior clapboards on the house. Tested at 170000 P.P.M.  
Mercury sources probably high fish consumption and the breakage of 2 CFL lightbulbs when swinging a hammer.

First DMSA (1500 mg) challenge test on 11/10/2010 revealed a lead level of 18 ug/g creat(very elevated) and a mercury level of 6.9 ug/g creat(elevated).

Second DMSA (1500 mg) challenge test on 3/14/2011 revealed a lead level of 13 ug/g creat(very elevated) and a mercury level of 2 ug/g creat(within reference range).

A 3rd challenge was performed 3 months later but the test is not in my possession. It showed the highest lead levels to date (20 ug/g). Mercury levels were also their highest, but I do not know the value.

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

Boston, MA USA