



PATIENT: Number 670  
 SEX: Male  
 AGE: 36

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	2.1	< 7.0	
Antimony (Sb)	0.025	< 0.066	
Arsenic (As)	0.061	< 0.080	
Barium (Ba)	0.26	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.021	< 2.0	
Cadmium (Cd)	0.045	< 0.065	
Lead (Pb)	0.30	< 0.80	
Mercury (Hg)	0.33	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.007	< 0.060	
Nickel (Ni)	0.13	< 0.20	
Silver (Ag)	0.03	< 0.08	
Tin (Sn)	0.31	< 0.30	
Titanium (Ti)	0.27	< 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)	215	200- 750			
Magnesium (Mg)	26	25- 75			
Sodium (Na)	34	20- 180			
Potassium (K)	21	9- 80			
Copper (Cu)	13	11- 30			
Zinc (Zn)	190	130- 200			
Manganese (Mn)	0.15	0.08- 0.50			
Chromium (Cr)	0.33	0.40- 0.70			
Vanadium (V)	0.027	0.018- 0.065			
Molybdenum (Mo)	0.040	0.025- 0.060			
Boron (B)	0.84	0.40- 3.0			
Iodine (I)	0.82	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	195	150- 220			
Selenium (Se)	1.0	0.70- 1.2			
Strontium (Sr)	0.73	0.30- 3.5			
Sulfur (S)	46000	44000- 50000			
Cobalt (Co)	0.017	0.004- 0.020			
Iron (Fe)	6.7	7.0- 16			
Germanium (Ge)	0.029	0.030- 0.040			
Rubidium (Rb)	0.044	0.011- 0.12			
Zirconium (Zr)	0.080	0.020- 0.44			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 9/21/2012	Sample Size: 0.199 g	Ca/Mg	8.27	4- 30
Date Received: 9/27/2012	Sample Type: Head	Ca/P	1.1	0.8- 8
Date Completed: 9/29/2012	Hair Color: Blond	Na/K	1.62	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	14.6	4- 20
	Shampoo: Whole Foods	Zn/Cd	> 999	> 800

## **Health history for hair test 670**

**1) What are your current symptoms and health history?** My current symptoms are Brain fog, Cognitive issues, Yeast overgrowth, (Skin problems) digestive problems, and chemical sensitivities. Also, emotional instability. (This is mainly while I'm on round.) Also upper respiratory issues I attribute to Candida./ Health history is a long one starting at a young age. One of my testicles never dropped by the time I was 5 and I needed an operation to correct the problem which it became cancerous when I was 24 and had to be removed. Migraine headaches as a youth, Many issues that appear to be attributed to mercury toxicity, emotional instability, digestive issues, struggled academically in school...

**2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)**

I had my wisdom teeth pulled when I was 21, all four were impacted. I've never had a root canal done nor braces. My first 2 amalgams were placed when I was 8 years old. I was rushed to the hospital for a severe migraine. My sinuses were infected. I was in the hospital for one week getting antibiotics for the infection. My 2<sup>nd</sup> set was placed when I was 13.

**3) What dental work do you currently have in place? What part of the dental cleanup have you completed?** I have had all four amalgams removed in September of 2010. I had them replaced with White composite's.

**4) What dentistry did your mother have at any time before or during pregnancy?** My mother has always had horrible teeth, many amalgams. I do not know the amount she had during her pregnancy with me.

**5) What vaccinations have you had and when (including flu and especially travel shots)?** I had a flu shot back in 1995. Since then I've had a few updated vaccination shots for work. I haven't had any vaccinations since 2010.

**6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.** Mens daily multi vitamin, Vitamin E, Vitamin B100, Chelated Magnesium, Probiotics, Milk Thistle.

**7) Other information you feel may be relevant?** After having my amalgams removed in September of 2010, I began taking 600 mg's of ALA. I hadn't come across the Cutler protocol since the beginning of this year and didn't start it till March of this year. I'm currently on my 20<sup>th</sup> round.

**8) What is your location - city & country (so that we can learn where certain toxins are more prevalent).** I work in the Gulf of Mexico on ships. I live in South Florida and have been for the past 4 years. I grew up for the first 33 years of my life in Boston, Ma.