



PATIENT: Number 860  
SEX: Male  
AGE: 32

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	8.5	< 7.0	
Antimony (Sb)	0.051	< 0.066	
Arsenic (As)	0.10	< 0.080	
Barium (Ba)	0.25	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.021	< 2.0	
Cadmium (Cd)	0.027	< 0.065	
Lead (Pb)	2.4	< 0.80	
Mercury (Hg)	1.6	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.017	< 0.060	
Nickel (Ni)	0.38	< 0.20	
Silver (Ag)	0.76	< 0.08	
Tin (Sn)	0.27	< 0.30	
Titanium (Ti)	0.21	< 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)	217	200- 750			
Magnesium (Mg)	31	25- 75			
Sodium (Na)	45	20- 180			
Potassium (K)	91	9- 80			
Copper (Cu)	10	11- 30			
Zinc (Zn)	170	130- 200			
Manganese (Mn)	0.23	0.08- 0.50			
Chromium (Cr)	0.71	0.40- 0.70			
Vanadium (V)	0.10	0.018- 0.065			
Molybdenum (Mo)	0.057	0.025- 0.060			
Boron (B)	4.9	0.40- 3.0			
Iodine (I)	1.5	0.25- 1.8			
Lithium (Li)	0.019	0.007- 0.020			
Phosphorus (P)	136	150- 220			
Selenium (Se)	1.0	0.70- 1.2			
Strontium (Sr)	0.80	0.30- 3.5			
Sulfur (S)	48000	44000- 50000			
Cobalt (Co)	0.013	0.004- 0.020			
Iron (Fe)	12	7.0- 16			
Germanium (Ge)	0.036	0.030- 0.040			
Rubidium (Rb)	0.10	0.011- 0.12			
Zirconium (Zr)	0.038	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		ELEMENTS	RATIOS
Date Collected: 09/07/2013	Sample Size: 0.121 g	Ca/Mg	7
Date Received: 09/28/2013	Sample Type: Head	Ca/P	1.6
Date Completed: 10/01/2013	Hair Color: Brown	Na/K	0.495
Methodology: ICP/MS	Treatment:	Zn/Cu	17
	Shampoo: Nivea	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## **Health history for hair test 860**

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

Chronically sick for 5 years. Have completed 1 year of chelation (have been at 100ALA/100DMSA since May, skipped a couple weeks over the summer).

Symptoms: Adrenal Fatigue, energy kicks in ~ 5 pm and then again 10 pm. SEVERE FATIGUE & exhaustion. have immense trouble even leaving the house. Sometimes cant even take a shower.

Depression - sense of helplessness. Lack of motivation, with anxiety.

SEVERE electric and electromagnetic sensitivity. Muscles contract (upper palate, throat, neck, mid abdomen, sacrum), with anxiety, and a sense of impending doom on exposure. WiFi is worst, public places with metal (ferries, busses etc) with a lot of cellphones is also bad. But even at home, when electronic devices are switched off, I get symptoms.

Slurred speech, sometime halt mid sentence, broken rhythm, can't find words.

Cognitive decline. Memory problems. Lack of creative thought.

Obsessive/compulsive type thought patterns.

Digestion has improved much with chelation. No longer problems with yeast.

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

2 root canals cleared, teeth removed. All 8 amalgams replaced a year ago 10/2012.

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

amalgams.

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

don't know, if relevant. no travel shots.

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

all Cutler recommended supplements. + Armour Thyroid 3.5 grains + anti anxiety meds as needed.

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

32. 170cm 85kg.

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

Istanbul, Turkey.