



PATIENT: Number 573  
 SEX: Female  
 AGE: 51

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	4.1	< 12	
Antimony (Sb)	< 0.01	< 0.060	
Arsenic (As)	0.054	< 0.090	
Barium (Ba)	0.27	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.019	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.07	< 1.0	
Mercury (Hg)	0.15	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.008	< 0.060	
Nickel (Ni)	0.03	< 0.40	
Silver (Ag)	0.03	< 0.10	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.33	< 1.3	
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)	473	475- 1500	
Magnesium (Mg)	56	45- 180	
Sodium (Na)	100	80- 450	
Potassium (K)	38	28- 160	
Copper (Cu)	15	11- 30	
Zinc (Zn)	160	130- 200	
Manganese (Mn)	0.62	0.15- 0.65	
Chromium (Cr)	0.35	0.40- 0.65	
Vanadium (V)	0.035	0.018- 0.065	
Molybdenum (Mo)	0.030	0.040- 0.10	
Boron (B)	0.51	0.40- 4.0	
Iodine (I)	0.56	0.25- 1.8	
Lithium (Li)	< 0.004	0.008- 0.030	
Phosphorus (P)	227	250- 500	
Selenium (Se)	1.2	0.80- 1.3	
Strontium (Sr)	1.2	1.0- 8.0	
Sulfur (S)	42400	42000- 48000	
Cobalt (Co)	0.007	0.006- 0.035	
Iron (Fe)	6.7	7.0- 16	
Germanium (Ge)	0.028	0.030- 0.040	
Rubidium (Rb)	0.040	0.030- 0.25	
Zirconium (Zr)	0.15	0.040- 1.0	

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 9/6/2011	Sample Size: 0.202 g	Ca/Mg	8.45	4- 30
Date Received: 9/8/2011	Sample Type: Pubic	Ca/P	2.08	1- 12
Date Completed: 9/16/2011	Hair Color:	Na/K	2.63	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	10.7	4- 20
	Shampoo: V05	Zn/Cd	> 999	> 800

## **Health history for hair test 573**

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

Answer: Memory issues, teeth grinding, teeth tapping, fertility issues, body pain, headaches, jaw pain, fatigue, cold and heat intolerances, gut and throat burning, chemical sensitive, food intolerances, lethargy, depression, anxious, nervous, stress intolerance, dry eyes, red palms of hands and palms turn blue in the cold, joint pain, don't recover from exercise well, constipation, Fibromyalgia, degenerative disc disease, SI dysfunction, Raynauds syndrome, no sex drive, hormones wont balance even after a year, hard to lose weight, but very easy to put it on.etc.

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

Answer: 33 small amalgams placed at age 9. Four RCT, four wisdom teeth removed, 8 amalgams replaced, two bridges (bio-compatible). I have had a full dental revision on July4th, 2011. All metal and cavitations were done at the time. All replacement materials were biocompatible; used BioComp for testing.

### **3) What dental work do you currently have in place? What part of the dental cleanup have you completed?**

Answer: I have two bridges, 8 amalgams and one front upper partial.,

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

Answer: I don't know much about my Mom, but I do know she had a full upper denture since age 16 and one all gold tooth. I also think she had a bottom partial.

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

Answer: All standard childhood, required vaccination, plus Hepatitis B series, several flu shots and two pneumonia shots and four tetanus shots.

**6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.** Answer: 800mg.Vit E, 200mg Selenium, 50mg. Zinc, 800mg. Magnesium Citrate, 5mg. DMSA every four hours for three days on and four off, 1000mg. Vit.C (when my stomach allows it), two caps of Milk Thistle, 1000mg. Cod Liver Oil, PB Probiotics (4),

### **7) Other information you feel may be relevant?**

Answer: Symptoms accumulated from age nine on. I have been told by a Physiatrist that my soft tissues resemble that of someone 30 years older than me.

**8) What is your location - city & country (so that we can learn where certain toxins are more prevalent).** Answer: Gresham, USA.