



PATIENT: Number 631  
 SEX: Male  
 AGE: 17

### Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	4.7	< 8.0	
Antimony (Sb)	0.018	< 0.066	
Arsenic (As)	0.016	< 0.080	
Barium (Ba)	0.46	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.060	
Lead (Pb)	0.07	< 1.0	
Mercury (Hg)	0.19	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.015	< 0.060	
Nickel (Ni)	0.05	< 0.20	
Silver (Ag)	0.02	< 0.10	
Tin (Sn)	0.08	< 0.30	
Titanium (Ti)	0.31	< 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)	447	200- 700			
Magnesium (Mg)	80	18- 70			
Sodium (Na)	17	20- 200			
Potassium (K)	9	9- 80			
Copper (Cu)	20	11- 32			
Zinc (Zn)	160	150- 230			
Manganese (Mn)	0.08	0.08- 0.50			
Chromium (Cr)	0.38	0.40- 0.70			
Vanadium (V)	0.017	0.020- 0.075			
Molybdenum (Mo)	0.13	0.030- 0.060			
Boron (B)	0.46	0.34- 3.0			
Iodine (I)	0.19	0.25- 1.3			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	149	150- 220			
Selenium (Se)	0.65	0.70- 1.2			
Strontium (Sr)	0.52	0.30- 3.2			
Sulfur (S)	47400	44000- 50000			
Cobalt (Co)	0.003	0.004- 0.020			
Iron (Fe)	6.2	7.0- 16			
Germanium (Ge)	0.031	0.030- 0.040			
Rubidium (Rb)	0.010	0.009- 0.090			
Zirconium (Zr)	0.013	0.047- 0.70			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		ELEMENTS	RATIOS
Date Collected: 6/18/2012	Sample Size: 0.187 g	Ca/Mg	5.59
Date Received: 6/27/2012	Sample Type: Head	Ca/P	3
Date Completed: 6/30/2012	Hair Color: Brown	Na/K	1.89
Methodology: ICP/MS	Treatment:	Zn/Cu	8
	Shampoo: Neem Oil	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## **Health history for hair test 631**

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

Told my spots were 'acne' even though it disappears with mercury chelation, tired, tinnitus, headaches, dull expression/thinking, low hormones, poor sleep etc.

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

Mercury fillings age 4, fell out age 5.

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

One white composite filling.

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

Basically full mouth of mercury fillings.

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

MMR at 1, can't remember all.

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

Vit C, Vit D/K, B complex, Magnesium taurate/oil, Molybdenum, Ox Bile, Zinc picolinate, multi-mineral, fish oil

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

17, 176cm, 9 st 10

### **8. Other information you feel may be relevant?**

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

England, West Midlands