



PATIENT: Number 667  
 SEX: Male  
 AGE: 37

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	5.3	< 7.0	
Antimony (Sb)	0.015	< 0.066	
Arsenic (As)	0.12	< 0.080	
Barium (Ba)	0.36	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.007	< 2.0	
Cadmium (Cd)	0.023	< 0.065	
Lead (Pb)	0.58	< 0.80	
Mercury (Hg)	0.62	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.030	< 0.060	
Nickel (Ni)	0.52	< 0.20	
Silver (Ag)	0.11	< 0.08	
Tin (Sn)	0.07	< 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)	1340	200- 750			
Magnesium (Mg)	26	25- 75			
Sodium (Na)	15	20- 180			
Potassium (K)	5	9- 80			
Copper (Cu)	15	11- 30			
Zinc (Zn)	170	130- 200			
Manganese (Mn)	0.13	0.08- 0.50			
Chromium (Cr)	0.40	0.40- 0.70			
Vanadium (V)	0.028	0.018- 0.065			
Molybdenum (Mo)	0.036	0.025- 0.060			
Boron (B)	0.37	0.40- 3.0			
Iodine (I)	0.93	0.25- 1.8			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	177	150- 220			
Selenium (Se)	0.65	0.70- 1.2			
Strontium (Sr)	2.3	0.30- 3.5			
Sulfur (S)	41800	44000- 50000			
Cobalt (Co)	0.016	0.004- 0.020			
Iron (Fe)	8.1	7.0- 16			
Germanium (Ge)	0.035	0.030- 0.040			
Rubidium (Rb)	0.005	0.011- 0.12			
Zirconium (Zr)	0.028	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b> CHEST HAIR-Reference ranges not established		ELEMENTS	RATIOS
Date Collected: 6/10/2012	Sample Size: 0.201 g	Ca/Mg	51.5
Date Received: 6/13/2012	Sample Type: Head	Ca/P	7.57
Date Completed: 6/18/2012	Hair Color:	Na/K	3
Methodology: ICP/MS	Treatment:	Zn/Cu	11.3
	Shampoo:	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## Health history for hair test 667

1. **What are your current symptoms and health history?** - skin fungal infections, low energy
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** - about 10 fillings, all removed 3 years ago.
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** 4 onlays and 1 crown
4. **What dentistry did your mother have at any time before or during pregnancy?** - many fillings
5. **What vaccinations have you had and when (including flu and especially travel shots)?** usual childhood vaccinations
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** none
7. **What is your age, height and weight?** age now is 38, 6 ft 1 not sure of weight (average)
8. Other information you feel may be relevant?
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** - London, UK