



PATIENT: Number 616  
 SEX: Male  
 AGE: 47

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	9.7	< 7.0	
Antimony (Sb)	0.016	< 0.066	
Arsenic (As)	0.040	< 0.080	
Barium (Ba)	0.11	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.060	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.27	< 0.80	
Mercury (Hg)	1.2	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.003	< 0.060	
Nickel (Ni)	0.11	< 0.20	
Silver (Ag)	0.04	< 0.08	
Tin (Sn)	0.17	< 0.30	
Titanium (Ti)	0.63	< 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)	229	200- 750			
Magnesium (Mg)	30	25- 75			
Sodium (Na)	32	20- 180			
Potassium (K)	21	9- 80			
Copper (Cu)	15	11- 30			
Zinc (Zn)	180	130- 200			
Manganese (Mn)	0.16	0.08- 0.50			
Chromium (Cr)	0.45	0.40- 0.70			
Vanadium (V)	0.029	0.018- 0.065			
Molybdenum (Mo)	0.042	0.025- 0.060			
Boron (B)	1.7	0.40- 3.0			
Iodine (I)	0.80	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	224	150- 220			
Selenium (Se)	0.92	0.70- 1.2			
Strontium (Sr)	0.55	0.30- 3.5			
Sulfur (S)	51900	44000- 50000			
Cobalt (Co)	0.006	0.004- 0.020			
Iron (Fe)	9.0	7.0- 16			
Germanium (Ge)	0.037	0.030- 0.040			
Rubidium (Rb)	0.018	0.011- 0.12			
Zirconium (Zr)	1.1	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 5/5/2012		Ca/Mg	7.63
Date Received: 5/14/2012		Ca/P	1.02
Date Completed: 5/16/2012		Na/K	1.52
Methodology: ICP/MS		Zn/Cu	12
Sample Size: 0.204 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Black	Treatment:		
Shampoo: Organic			
		<b>RANGE</b>	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## **Health history for hair test 616**

**What are your current symptoms and health history?** history of candida and parasites, stress, anxiety, tinnitus...generally ok health apart from yeast issues now...some bloating, irritability and coating on back of tongue

**Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** 18 amalgams! all removed october 2010 using proper protocol

**What dental work do you currently have in place? What part of the dental clean-up have you completed?** 2 root canals

**What dentistry did your mother have at any time before or during pregnancy?** some amalgam fillings

**What vaccinations have you had and when (including flu and especially travel shots)?** yes a range of these over the years including flu

**Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** doing cutler protocol for last 12 months up to round 51, 70mg of ALA and 25DMSA, I am less on the DSMA as I notice it makes my candida worse

**What is your age, height and weight?** age 47, weight 75 kg

**Other information you feel may be relevant?** i was given mercury to play with as a kid in science class, is copper an issue here ?

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