



PATIENT: Number 660
 SEX: Male
 AGE: 29

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.7	< 7.0	
Antimony (Sb)	0.029	< 0.066	
Arsenic (As)	0.97	< 0.080	
Barium (Ba)	0.21	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.009	< 2.0	
Cadmium (Cd)	0.022	< 0.065	
Lead (Pb)	0.99	< 0.80	
Mercury (Hg)	0.90	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.042	< 0.060	
Nickel (Ni)	0.12	< 0.20	
Silver (Ag)	0.10	< 0.08	
Tin (Sn)	0.10	< 0.30	
Titanium (Ti)	0.51	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS							
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium (Ca)	522	200- 750					
Magnesium (Mg)	53	25- 75					
Sodium (Na)	140	20- 180					
Potassium (K)	280	9- 80					
Copper (Cu)	22	11- 30					
Zinc (Zn)	280	130- 200					
Manganese (Mn)	0.07	0.08- 0.50					
Chromium (Cr)	0.58	0.40- 0.70					
Vanadium (V)	0.041	0.018- 0.065					
Molybdenum (Mo)	0.072	0.025- 0.060					
Boron (B)	1.4	0.40- 3.0					
Iodine (I)	0.28	0.25- 1.8					
Lithium (Li)	0.005	0.007- 0.020					
Phosphorus (P)	172	150- 220					
Selenium (Se)	0.71	0.70- 1.2					
Strontium (Sr)	1.4	0.30- 3.5					
Sulfur (S)	47900	44000- 50000					
Cobalt (Co)	0.014	0.004- 0.020					
Iron (Fe)	6.3	7.0- 16					
Germanium (Ge)	0.032	0.030- 0.040					
Rubidium (Rb)	0.23	0.011- 0.12					
Zirconium (Zr)	0.067	0.020- 0.44					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 8/23/2012	Sample Size: 0.199 g	Ca/Mg	9.85	4- 30
Date Received: 9/15/2012	Sample Type: Head	Ca/P	3.03	0.8- 8
Date Completed: 9/18/2012	Hair Color: Brown	Na/K	0.5	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	12.7	4- 20
	Shampoo: Head Shoulders	Zn/Cd	> 999	> 800

Health history for hair test 660

1. What are your current symptoms and health history? Adrenal fatigue, gastrointestinal issues, very bad short term memory, lack of concentration, anxiety

2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) Nothing relevant

3. What dental work do you currently have in place? What part of the dental clean-up have you completed? I currently have only white fillings

4. What dentistry did your mother have at any time before or during pregnancy? I'm not aware of her full history but at the time she was pregnant she certainly had amalgam fillings

5. What vaccinations have you had and when (including flu and especially travel shots)? I had standard vaccinations and several times flu vaccine.

6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? Topical use of Minoxidil 5%. Magnesium, fish oil, probiotics, mineral and vitamin complex

7. What is your age, height and weight? Age: 29, Height: 170 cm, Weight: 70 kg

8. Other information you feel may be relevant? Nothing relevant

9. What is your location – city & country - London, United Kingdom