



PATIENT: Number 665
 SEX: Female
 AGE: 42

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	8.0	< 7.0	
Antimony (Sb)	0.020	< 0.050	
Arsenic (As)	0.12	< 0.060	
Barium (Ba)	1.0	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.005	< 2.0	
Cadmium (Cd)	0.033	< 0.050	
Lead (Pb)	0.27	< 0.60	
Mercury (Hg)	1.0	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.25	< 0.060	
Nickel (Ni)	0.05	< 0.30	
Silver (Ag)	0.21	< 0.15	
Tin (Sn)	0.10	< 0.30	
Titanium (Ti)	0.30	< 0.70	
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)	555	300- 1200			
Magnesium (Mg)	33	35- 120			
Sodium (Na)	120	20- 250			
Potassium (K)	15	8- 75			
Copper (Cu)	16	11- 37			
Zinc (Zn)	220	140- 220			
Manganese (Mn)	0.41	0.08- 0.60			
Chromium (Cr)	0.40	0.40- 0.65			
Vanadium (V)	0.065	0.018- 0.065			
Molybdenum (Mo)	0.044	0.020- 0.050			
Boron (B)	0.45	0.25- 1.5			
Iodine (I)	0.61	0.25- 1.8			
Lithium (Li)	0.007	0.007- 0.020			
Phosphorus (P)	141	150- 220			
Selenium (Se)	0.97	0.55- 1.1			
Strontium (Sr)	1.5	0.50- 7.6			
Sulfur (S)	49100	44000- 50000			
Cobalt (Co)	0.015	0.005- 0.040			
Iron (Fe)	8.2	7.0- 16			
Germanium (Ge)	0.037	0.030- 0.040			
Rubidium (Rb)	0.014	0.007- 0.096			
Zirconium (Zr)	0.016	0.020- 0.42			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 9/18/2012	Sample Size: 0.196 g	Ca/Mg	16.8	4- 30
Date Received: 9/22/2012	Sample Type: Head	Ca/P	3.94	1- 12
Date Completed: 9/26/2012	Hair Color:	Na/K	8	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	13.8	4- 20
	Shampoo: John Masters	Zn/Cd	> 999	> 800

Health history for Hair Test 665

1. **What are your current symptoms and health history?**
CFS/Fibro/IBS/Mycotoxigenesis
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** 1 composite in 2005 (3M z250 and one seal that year too; no amalgams). No extractions or root canals or braces. Wisdom teeth removed in 1980.
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** See above.
4. **What dentistry did your mother have at any time before or during pregnancy?**
Before – she had many amalgams.
5. **What vaccinations have you had and when (including flu and especially travel shots)?** In 2001, had 7 vaccines to travel to Central and South America, including the rabies vaccine. Had Hep B booster in 2007 and tetanus in 2011.
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** Too many to list as I've been working with NDs, integrative MDs, etc. But it definitely includes Vit C, Mg, general minerals and electrolytes, antioxidants, etc. Also Cytozyme AD for adrenal support. Medications are T3/T4, nasal and nebulized glutathione, and anti-fungal and BEG nasal sprays.
7. **What is your age, height and weight?** 42, 5'5", 127
8. **Other information you feel may be relevant?** My mother had a hair test done 20 years ago and the ND commented that he'd never seen uranium levels that high. I live in a mountainous region now and was in a house with high radon levels at one point for 7 years.
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** Hailey, Idaho, but grew up in Moses Lake, WA. which is downwind of Hanford.