



PATIENT: Number 752
 SEX: Female
 AGE: 45

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)		2.4	< 7.0	
Antimony (Sb)		0.032	< 0.050	
Arsenic (As)		0.015	< 0.060	
Barium (Ba)		0.46	< 2.0	
Beryllium (Be)		< 0.01	< 0.020	
Bismuth (Bi)		0.003	< 2.0	
Cadmium (Cd)		< 0.009	< 0.050	
Lead (Pb)		0.36	< 0.60	
Mercury (Hg)		0.85	< 0.80	
Platinum (Pt)		0.004	< 0.005	
Thallium (Tl)		< 0.001	< 0.002	
Thorium (Th)		< 0.001	< 0.002	
Uranium (U)		0.001	< 0.060	
Nickel (Ni)		0.09	< 0.30	
Silver (Ag)		0.36	< 0.15	
Tin (Sn)		0.15	< 0.30	
Titanium (Ti)		0.25	< 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)		588	300- 1200		
Magnesium (Mg)		66	35- 120		
Sodium (Na)		35	20- 250		
Potassium (K)		48	8- 75		
Copper (Cu)		21	11- 37		
Zinc (Zn)		220	140- 220		
Manganese (Mn)		0.19	0.08- 0.60		
Chromium (Cr)		0.33	0.40- 0.65		
Vanadium (V)		0.020	0.018- 0.065		
Molybdenum (Mo)		0.032	0.020- 0.050		
Boron (B)		0.46	0.25- 1.5		
Iodine (I)		3.2	0.25- 1.8		
Lithium (Li)		< 0.004	0.007- 0.020		
Phosphorus (P)		182	150- 220		
Selenium (Se)		0.88	0.55- 1.1		
Strontium (Sr)		1.3	0.50- 7.6		
Sulfur (S)		45500	44000- 50000		
Cobalt (Co)		0.007	0.005- 0.040		
Iron (Fe)		5.9	7.0- 16		
Germanium (Ge)		0.020	0.030- 0.040		
Rubidium (Rb)		0.055	0.007- 0.096		
Zirconium (Zr)		0.031	0.020- 0.42		

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 03/21/2013		Ca/Mg	8.91
Date Received: 03/28/2013		Ca/P	3.23
Date Completed: 03/30/2013		Na/K	0.729
Methodology: ICP/MS		Zn/Cu	10.5
Sample Size: 0.198 g		Zn/Cd	> 999
Sample Type: Head			
Hair Color: Black			
Treatment:			
Shampoo: Aubrey Swimmers			
		RANGE	
		4- 30	
		1- 12	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 752

1. What are your current symptoms and health history? Current: muscle pain all over, low stress tolerance, fatigue, forgetful, mild carpal tunnel

2-3 months ago prior to getting supplements in place: All of the above plus: extreme Fatigue, brain fog, low immunity, depression.

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

Wisdom teeth removed at age 20. No root canals. Braces at age 10. First amalgam at age 8 or 9. Total of 10 amalgams, most placed during early teen years.

3. What dental work do you currently have in place? What part of the dental clean-up have you completed? 10 amalgams remaining, none removed yet.
4. What dentistry did your mother have at any time before or during pregnancy? Don't know
5. What vaccinations have you had and when (including flu and especially travel shots)? All childhood vaccinations customary in the late 60 and 70's. Travel overseas when 6 years old – had shots prior to trip. Had boosters prior to college (tetanus, MMR?)
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?

1. Vitamin C 1g in divided doses 3-4X per day

2. Vitamin E 400 IU's daily

3. Zinc 15-25mg daily

4. Vitamin B's 75mg spread over 2-3 doses

5. B12 1000mcg

6. Folate 800 mcg

7. TMG 700mg divided over 2 doses

8. P5P 33mg

9. Selenium 200mcg

10. Inositol 1000mg

11. Magnesium 300mg divided

12. Fish oil / flax oil 2g every other day

13. Enzymatic Therapy Fatigued to Fantastic multi (about every other day) multi mineral/vitamin plus Whey protein

14. Iron occasional 18mg
 15. Was taking Dr Wilson's Thyro balance 2X per day a few months which has 117mcg of iodine per dose and about 2mg of Manganese per dose. Had stopped a few weeks prior to sample
 16. Was taking 5 HTP, Tyrosine for about a month during the 3-6 months prior to sample.
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7. What is your age, height and weight? 45 yrs, 5' 1", 120lbs
 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). Northeast 90 miles outside of New York City.