



PATIENT: Number 837
 SEX: Female
 AGE: 40

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.6	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.018	< 0.060	
Barium (Ba)	1.3	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.003	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.33	< 0.60	
Mercury (Hg)	0.35	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.002	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.007	< 0.060	
Nickel (Ni)	1.6	< 0.30	
Silver (Ag)	0.03	< 0.15	
Tin (Sn)	0.02	< 0.30	
Titanium (Ti)	0.53	< 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)	951	300- 1200	
Magnesium (Mg)	210	35- 120	
Sodium (Na)	270	20- 250	
Potassium (K)	79	8- 75	
Copper (Cu)	13	11- 37	
Zinc (Zn)	280	140- 220	
Manganese (Mn)	1.0	0.08- 0.60	
Chromium (Cr)	0.39	0.40- 0.65	
Vanadium (V)	0.031	0.018- 0.065	
Molybdenum (Mo)	0.023	0.020- 0.050	
Boron (B)	0.75	0.25- 1.5	
Iodine (I)	1.9	0.25- 1.8	
Lithium (Li)	0.004	0.007- 0.020	
Phosphorus (P)	216	150- 220	
Selenium (Se)	0.92	0.55- 1.1	
Strontium (Sr)	4.0	0.50- 7.6	
Sulfur (S)	48500	44000- 50000	
Cobalt (Co)	0.008	0.005- 0.040	
Iron (Fe)	6.5	7.0- 16	
Germanium (Ge)	0.022	0.030- 0.040	
Rubidium (Rb)	0.11	0.007- 0.096	
Zirconium (Zr)	0.027	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 04/14/2013	Sample Size: 0.197 g	Ca/Mg	4.53
Date Received: 04/20/2013	Sample Type: Head	Ca/P	4.4
Date Completed: 04/26/2013	Hair Color: Black	Na/K	3.42
Methodology: ICP/MS	Treatment: Dye	Zn/Cu	21.5
	Shampoo: circuit skins	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 837

Please be sure to answer all these questions when you send the test in:

What are your current symptoms and health history?

Currently almost symptom free - occasional headaches, muscle numbness (mostly arms and legs), fatigue, muscle weakness

Prior to having amalgams removed: sub-acute thyroiditis, seizures, insomnia, hot flashes, adrenal exhaustion, anxiety, fear, panic attacks, depression, psychosis, arrhythmia, infertility, headaches, dizziness, peripheral neuropathy, disequilibrium, pre-syncope, memory loss, confusion, total hair loss

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

Root canaled - tooth extracted 1 April 2013 along with two amalgams. Tooth with root canal was also packed with amalgam. All amalgams and root canal put in place in Feb/March/April 2011. Braces in early teens for 2-3 years.

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

Currently have 1 crown in place - potentially an amalgam under crown. Other clean up (amalgam removal, root canaled tooth extraction) done April 2013.

What dentistry did your mother have at any time before or during pregnancy?

Many, many, many amalgams prior to pregnancy.

What vaccinations have you had and when (including flu and especially travel shots)?

Flu shot for last 3 years (mandatory as I am a hospital worker); MMS, etc years and years ago

Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?

Apple cider vinegar 1T pd, Probiotics - 50 billion CFU pd, Biotin - 10K mcb pd, digestive enzymes, zinc - 30 mg, magnesium - 450 mg, cod liver oil 1T pd, bee pollen 1t pd, B50

What is your age, height and weight?

41, 5'2.5', 127lbs

Other information you feel may be relevant?

I have celiac disease, am currently on an organic, grass-fed diet, grain free, soy free.

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

Washington, DC USA - and suburbs