



PATIENT: Number 892
 SEX: Female
 AGE: 33

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.4	< 7.0	
Antimony (Sb)	0.010	< 0.050	
Arsenic (As)	0.010	< 0.060	
Barium (Ba)	0.70	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.05	< 0.60	
Mercury (Hg)	1.4	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.019	< 0.060	
Nickel (Ni)	0.10	< 0.30	
Silver (Ag)	0.01	< 0.15	
Tin (Sn)	0.07	< 0.30	
Titanium (Ti)	0.45	< 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)	252	300- 1200	
Magnesium (Mg)	200	35- 120	
Sodium (Na)	1100	20- 250	
Potassium (K)	33	8- 75	
Copper (Cu)	19	11- 37	
Zinc (Zn)	270	140- 220	
Manganese (Mn)	0.11	0.08- 0.60	
Chromium (Cr)	0.32	0.40- 0.65	
Vanadium (V)	0.020	0.018- 0.065	
Molybdenum (Mo)	0.11	0.020- 0.050	
Boron (B)	0.28	0.25- 1.5	
Iodine (I)	0.09	0.25- 1.8	
Lithium (Li)	0.034	0.007- 0.020	
Phosphorus (P)	184	150- 220	
Selenium (Se)	0.69	0.55- 1.1	
Strontium (Sr)	0.62	0.50- 7.6	
Sulfur (S)	50300	44000- 50000	
Cobalt (Co)	0.010	0.005- 0.040	
Iron (Fe)	4.0	7.0- 16	
Germanium (Ge)	0.025	0.030- 0.040	
Rubidium (Rb)	0.018	0.007- 0.096	
Zirconium (Zr)	0.058	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 12/08/2013	Sample Size: 0.198 g	Ca/Mg	1.26
Date Received: 12/12/2013	Sample Type: Head	Ca/P	1.37
Date Completed: 12/14/2013	Hair Color: Brown	Na/K	33.3
Methodology: ICP/MS	Treatment:	Zn/Cu	14.2
	Shampoo: Magick Botanicals	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Hair Test 892

- 1. What are your current symptoms and health history?** MCS, CFS, anxiety, intolerance to heat/cold, low blood pressure, dizziness, insomnia, hormonal imbalance, adrenal fatigue, dry eyes/skin, low body temps, extreme food intolerances, salicylate intolerance, amine intolerance, mood fluctuations, muscle/joint pain.
- 2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** I have never had wisdom teeth. I had braces when I was 14 years old. I had a root canal placed when I was 16 years old. The root canal tooth was extracted and the periodontal ligament was removed in November 2013. My first amalgam was placed around the age of 9. I had 13 amalgams by the time I was 18. All have been replaced with metal-free composites. The last amalgam was removed in March 2013.
- 3. What dental work do you currently have in place? What part of the dental clean-up have you completed?** I currently have 12 metal-free composites.
- 4. What dentistry did your mother have at any time before or during pregnancy?** A mouthful of amalgams.
- 5. What vaccinations have you had and when (including flu and especially travel shots)?** I had all of the normal childhood vaccinations.
- 6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** Magnesium 750 mg, Selenium 200 mcg, B5 500mg, Vitamin C 3g, Vitamin E 800 iu, ACE 750 mg, Molybdenum 500 mcg, Zinc 50 mg, Vitamin K2 5 mg, Milk Thistle 250 mg, Inositol 750 mg
- 7. What is your age, height and weight?** 33 years old, 5'4", 115 lbs
- 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).** Cedar Rapids, IA USA