



PATIENT: Number 911 - first test
 SEX: Female
 AGE: 50

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.7	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.078	< 0.060	
Barium (Ba)	0.11	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.010	< 2.0	
Cadmium (Cd)	0.011	< 0.050	
Lead (Pb)	0.72	< 0.60	
Mercury (Hg)	0.25	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.14	< 0.060	
Nickel (Ni)	0.04	< 0.30	
Silver (Ag)	0.07	< 0.15	
Tin (Sn)	0.05	< 0.30	
Titanium (Ti)	0.22	< 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)	489	300- 1200	
Magnesium (Mg)	54	35- 120	
Sodium (Na)	35	20- 250	
Potassium (K)	10	8- 75	
Copper (Cu)	97	11- 37	
Zinc (Zn)	190	140- 220	
Manganese (Mn)	0.06	0.08- 0.60	
Chromium (Cr)	0.51	0.40- 0.65	
Vanadium (V)	0.078	0.018- 0.065	
Molybdenum (Mo)	0.032	0.020- 0.050	
Boron (B)	2.6	0.25- 1.5	
Iodine (I)	0.68	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	186	150- 220	
Selenium (Se)	1.1	0.55- 1.1	
Strontium (Sr)	0.49	0.50- 7.6	
Sulfur (S)	45400	44000- 50000	
Cobalt (Co)	0.004	0.005- 0.040	
Iron (Fe)	5.9	7.0- 16	
Germanium (Ge)	0.024	0.030- 0.040	
Rubidium (Rb)	0.007	0.007- 0.096	
Zirconium (Zr)	0.034	0.020- 0.42	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected:	Sample Size: 0.202 g	Ca/Mg	9.06	4- 30
Date Received: 8/27/2011	Sample Type: Head	Ca/P	2.63	1- 12
Date Completed: 8/30/2011	Hair Color:	Na/K	3.5	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	1.96	4- 20
	Shampoo:	Zn/Cd	> 999	> 800



PATIENT: Number 911 - follow-up test
 SEX: Female
 AGE: 52

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.6	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.071	< 0.060	
Barium (Ba)	0.04	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.06	< 0.60	
Mercury (Hg)	0.46	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.034	< 0.060	
Nickel (Ni)	0.01	< 0.30	
Silver (Ag)	0.18	< 0.15	
Tin (Sn)	< 0.02	< 0.30	
Titanium (Ti)	0.19	< 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)	310	300- 1200	
Magnesium (Mg)	71	35- 120	
Sodium (Na)	17	20- 250	
Potassium (K)	5	8- 75	
Copper (Cu)	22	11- 37	
Zinc (Zn)	210	140- 220	
Manganese (Mn)	0.05	0.08- 0.60	
Chromium (Cr)	0.48	0.40- 0.65	
Vanadium (V)	0.042	0.018- 0.065	
Molybdenum (Mo)	0.017	0.020- 0.050	
Boron (B)	0.72	0.25- 1.5	
Iodine (I)	0.52	0.25- 1.8	
Lithium (Li)	0.007	0.007- 0.020	
Phosphorus (P)	173	150- 220	
Selenium (Se)	1.0	0.55- 1.1	
Strontium (Sr)	0.28	0.50- 7.6	
Sulfur (S)	46100	44000- 50000	
Cobalt (Co)	< 0.002	0.005- 0.040	
Iron (Fe)	5.0	7.0- 16	
Germanium (Ge)	0.029	0.030- 0.040	
Rubidium (Rb)	0.006	0.007- 0.096	
Zirconium (Zr)	0.010	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 05/08/2013	Sample Size: 0.202 g	Ca/Mg	4.37
Date Received: 05/11/2013	Sample Type: Head	Ca/P	1.79
Date Completed: 05/14/2013	Hair Color: Black	Na/K	3.4
Methodology: ICP/MS	Treatment:	Zn/Cu	9.55
	Shampoo: Aveeno	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 911

- *Current symptoms and health history*

Current symptoms (since 2009): sudden onset of fatigue, fibromyalgia like symptoms, MS like symptoms, neuralgias, rapid heartbeat, liver stagnation, adrenal fatigue, migraines, GI track problems, food sensitivities, wasting, numbness, eye problems, brain fog, inflammation, prolonged colds, viral infections, bacterial infections, tight muscles, gallbladder attacks, etc. Symptoms prior to 2009: constipation, food allergies (wheat, dairy), sinus infections, anxiety, headaches, cold sores
- *Dental history*

Several amalgam fillings placed around the age of 6; several fillings place in adult teeth before the age of 10; many fillings placed around the age of 15 (22 teeth total had amalgams)
- *Dental work currently in place? What work have you completed*

I have 6 crowns (all molars) in place: 2 gold on top and 4 porcelain with “miracle mix” as build up on bottom; I have recently removed 14 amalgam fillings and 2 gold crowns
- *Mother’s dentistry before or during pregnancy*

She had many amalgams placed as a child and teenager – probably 10 to 15 (maybe more) total in place before and during pregnancy
- *Supplements taken at time of hair test: *See separate supplement list*
 - **Homeopathic Drops**

Lyme nosode

 - Viral Immune Stimulator
 - Mycological Immune System Stimulator
 - Allergens/Antigens Detoxosode
 - Oligo Magnesium
 - Ear/Eye/Sinus drops
 - Bacterial Immune Stimulator
 - **Herbal Tinctures**
 - Nerve Restore Formula
 - St. John’s Wort
 - Red Root
 - Echinacea
 - **Single source supplements**
 - D3 – emulsified
 - CoQ10
 - Thytrophin PMG
 - Lithium (5mg)
 - Magnesium

- Iodine
- Phosphatidylcholine
- Lysine
- Collinsonia Root
- Milk thistle
- Spanish Black Radish
- Fish oil
- Betaine HCL w/pepsin

Formulas

- **AdreCor (neuroscience):** Vit C (100mg), niacin, B-6, Folate, B-12 (20mcg), pantothenic acid, magnesium(glycinate), zinc. Proprietary blend of: L-methionine, L-histidine, L-tyrosine, green tea leaf extract, rhodiola rosea root extract.
- **I-Comp (propriety one):** Vit c (500mg), Vit E (200 iu), zinc (15mg), cooper (1mg), chromium (100mcg), mixed carotenoids (2,500 iu), **ALA** (25mg), L-selenomethionine (25mg), orange/diosmin (25mg), bitter orange (100mg), Japanese sophora/quercetin(50mg), Japanese sophora/rutin ((50mg), bilberry (40mg), eyebright (25mg), aztec marigold (3mg), N-acetyl L-cysteine (100mg), L-glutathione (5mg)
- **Complete Digestion (enzyme science):** amylase (11,500DU), protease(22,500 Hut), glucoamylase (12.5 agu), ATPPro blend – ATP, magnesium citrate, **ALA**, CoQ10; DPP IV (100DPPU), lipase (1,500FCCFP), lactase (800 ALU), Alpha galactosidase (100gallu), cellulose (500cellu), maltase (100dp), Invertase (100su), pectinase w/phytase (75 endo-pgu), xylanase (100xu), probiotic blend (125 million cfu) acidophilus and more
- **Neurolink (Designs for Health):** L-Tyrosine, GABA, L-Glutamine, Inositol, Taurine, 5-HT
- **A-F Beta Food (standard process):** Vit A, B6, Iodine + proprietary blend of beet, carrot, bovine liver/kidney/prostrate, flaxseed oil, lecithin
- **Gastro-Fiber (standard process):** psyllium husk, collinsonia root, apple pectin, fennel seed, fenugreek seed

- **Triphala (Planetary Herbals):** chebulic myrobalan fruit, amla fruit, belleric myrobalan fruit
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- **Other**
Magnesium Dermal spray
Ultra Inflamm-X (medical food by metagenetics)

➤ *Vaccines: What and when*

Childhood vaccines: oral polio, DPT, many other school administered immunizations??

Travel vaccines (1980): yellow fever, cholera, typhoid, GG (gamabobulin), anti-malaria pills??

Adult vaccines: occasional tetanus boosters and flu shots (not any more!)

➤ *Age, height, weight: 52 years old, 5'5", 130 lbs.*

➤ *Location: city and country*

From birth to age 13 I lived in Wall, New Jersey. I lived in several New England states from 13 to 36 years old. I have lived in Bolton, Massachusetts for 17 years. I have a second home in Westport, Nova Scotia where I spend 2 months a year.

➤ *Other Relevant Information*

I got sick in 2009 – it took 6 months to get a diagnosis of Lyme disease. I took 10 weeks of antibiotics which seemed to make things worse. While I seemed to have fought back the Lyme disease I have never fully recovered. I have 2 hair analyses- after the first one I took a product called Chelex for 3 to 4 months – two capsules per day. The second hair analysis was done last spring and the attached supplement list is what I was taking at the time of this test.