



PATIENT: Number 877
 SEX: Female
 AGE: 31

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.0	< 7.0	
Antimony (Sb)	0.013	< 0.050	
Arsenic (As)	0.036	< 0.060	
Barium (Ba)	1.3	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.33	< 2.0	
Cadmium (Cd)	0.015	< 0.050	
Lead (Pb)	0.10	< 0.60	
Mercury (Hg)	0.04	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.17	< 0.060	
Nickel (Ni)	0.19	< 0.30	
Silver (Ag)	0.04	< 0.15	
Tin (Sn)	0.04	< 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)	1530	300- 1200	
Magnesium (Mg)	200	35- 120	
Sodium (Na)	67	20- 250	
Potassium (K)	5	8- 75	
Copper (Cu)	26	11- 37	
Zinc (Zn)	190	140- 220	
Manganese (Mn)	0.25	0.08- 0.60	
Chromium (Cr)	1.0	0.40- 0.65	
Vanadium (V)	0.64	0.018- 0.065	
Molybdenum (Mo)	0.062	0.020- 0.050	
Boron (B)	0.74	0.25- 1.5	
Iodine (I)	1.8	0.25- 1.8	
Lithium (Li)	0.064	0.007- 0.020	
Phosphorus (P)	138	150- 220	
Selenium (Se)	1.6	0.55- 1.1	
Strontium (Sr)	13	0.50- 7.6	
Sulfur (S)	47200	44000- 50000	
Cobalt (Co)	0.010	0.005- 0.040	
Iron (Fe)	7.4	7.0- 16	
Germanium (Ge)	0.043	0.030- 0.040	
Rubidium (Rb)	0.005	0.007- 0.096	
Zirconium (Zr)	0.064	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 12/07/2012	Sample Size: 0.205 g	Ca/Mg	7.65
Date Received: 12/11/2012	Sample Type: Head	Ca/P	11.1
Date Completed: 12/13/2012	Hair Color: Brown	Na/K	13.4
Methodology: ICP/MS	Treatment:	Zn/Cu	7.31
	Shampoo: Griffen Remedy	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 877

1) What are your current symptoms and health history?

Current symptoms: daily headaches, body aches, neck and shoulder pain, fatigue, brain fog, jock itch (on round), occasional reflux, trouble with finding the right words at times, sensitivity to light/sound, multiple food and chemical sensitivities, frequent anger/agitation, depression, anti-social behavior, poor quality of life. It's gotten to the point where I can't eat away from home because I'll react to ingredients, I don't go to the movies due to the light and sound exposure and going to the hair dresser feels like a chemical assault.

Health history:

2002: environmental allergies (originally tx as sinus infections) -> daily headaches

2002-2008: allergy shots for 6 years

2004: Dx with Raynaud's and chilblains

2004: syncope resulting in a traumatic brain injury

2005: chronic daily headaches became severe and debilitating (1 month after amalgams were placed)

2006: endometriosis, chronic infections, mononucleosis hepatitis, IV migraine treatment (DHE), MRI: brain abnormality, Norovirus, chronic fatigue syndrome

2008: Dx with Systemic Lupus Erythematosus (SLE)

2012: food and chemical sensitivities, IBS, leaky gut, lead and mercury toxicity - began chelation

2013: Lyme test negative, elevated viruses: coxsackievirus A and B, epstein-barr and parovirus.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)

1997: Wisdom teeth extraction, became re-infected 2 times, dry socket, swelling and antibiotics used. May 2005: first 2 cavities filled with amalgam, one at each molar.

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

July 2006: Replaced amalgam with composite fillings. My DDS at the time was asked to use special precautions: vacuum, sterile air, rubber dam for removal. He removed both amalgams at once (crossing the meridian). I've had no additional fillings and now work with a biologic dentist. Began implementing the Andy Cutler protocol under Daniel Pompa, DC supervision in September 2012 after 6 months of support supplementation.

4) What dentistry did your mother have at any time before or during pregnancy? Amalgam fillings.

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

Diphtheria, Tetanus, Pertussis (DTP) Vaccine: 8/27/81, 10/21/81, 12/16/81, 6/20/81, 12/30/82 - 0.5cc

Trivalent (OPV) Vaccine: 8/27/81, 10/21/81, 12/16/81, 12/30/82 - 2 gtts

MMR Vaccine: 10/28/82

MMR Vaccine: 11/17/91 (booster) - localized reaction in the thigh, limped for a day or two

Tetanus Diphtheria (TD) Vaccine - Adult Type: 6/11/97

OPV: 6/20/97 - 2 gtts

Hepatitis B Vaccine: 6/11/97, 7/10/97, 1/08/98

Meningococcal Vaccine: 7/25/02, 0.5cc

Annual PPD Shot: 2004-2008 as an intern/clinical dietitian.

HPV vaccine series: 4/10/07, 6/12/07, 10/9/07

Hepatitis A Vaccine: 5/5/08, 12/12/08 (for China trip)

Flu shot annually until 2008. No additional shots or vaccines since 2008.

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

Meds: 2 Extra Strength Excedrin daily.

Supplements at time of testing 12/12:

- 1) 50 mg Iodoral
- 2) 2 Supreme D (5,000 IU D with 550 mcg K and 50 mcg K2)
- 3) 6 Ascorbic acid (480 mg)
- 4) 1 PC - phosphatidyl choline
- 5) ATP
- 6) 1 Mors - methylation donor
- 7) 1 Ga - adrenal support
- 8) 1 eNRG - quantum cellular ATP energy (CoQ10) - liquid (start with 2-4 droppers/day) - B vitamins
- 9) 2 BIND - toxin elimination during chelation
- 10) 3 GCELL in a.m. - intracellular glutathione during chelation
- 11) 2 Mag malate (250 mg) Designs for Health
- 12) 1 B drop (50 mcg)
- 13) 1 drop folate
- 14) 1 Plant digestive enzyme formula
- 15) 1 MIN - multi mineral plus - take while chelating
- 16) 6 FungDx during chelation

17) DMSA - 12.5 mg, starting every 3 days on, 7 days off

Present supplements include (11/13):

1) 1,000 mg Vit C

2) 60 IU Vit E

3) D3/K2 Thorne drops (4,000 IU D3, 800 mcg K2)

4) 4 BIND when chelating at night -> continue to assist detox

5) GCEL - 2 when chelating in a.m.

6) 500 mg Mag Malate

7) 2,000 mcg B12 -> 2 drops every few days

8) folirinse -> 1 drop every few days

14) Assist Body Ecology enzymes w/ meals

15) Multi-Mineral supplement -> while chelating

16) Fung Dx -> while chelating for yeast

17) VIVI -> alternate with FungDx while chelating for yeast

18) GB (Pituitary) - 1 while chelating (to pull metals from pituitary)

19) MSM -> prn with DMSA wean

20) Critical Care formula probiotic

21) 25 mg DMSA

22) 12.5 mg ALA

23) Glutagenics (from Metagenics) - 1/4 scoop three times daily and gradually increase to one scoop three times daily to heal the gut

24) Reduced L-glutathione from Klaire Labs - 75 mg

25) Klaire labs "Seleno Met" 200 mcg

26) 100mg Premier CoQ10

27) Wild oregano oil - 3 drops daily for anti-fungal/anti-viral

28) 400 mg Andrographis

29) Terrain Omega-3 supplement

30) 350 mg milk thistle, 110 mg milk thistle seed

31) 100 mg B2

32) 200 mg calcium lactate (for chilblains)

33) 24 mg natural zeolite

34) Candida Complex when not chelating

7) Other information you feel may be relevant?

- Doctor's Data Toxic Metals Urine test from 8/12 showed Lead: 5.6 (ref interval: < 2) and Thallium: 0.7 (ref. interval: < 0.5). My chelation protocol was mainly based on these results (as opposed to the hair test), past exposures and symptoms.
- September 16, 2012 - First round of frequent dose oral chelation using DMSA at 25 mg. Didn't tolerate and ended up backing down to 12.5 mg every 3 hours.
- October 28, 2012 - Began first of 22 fecal transplants using bacterioid rich stool to alleviate GI distress and liquid stools.
- Feb, 22, 2013 - Added first round of ALA.
- In the past 14 months, I've completed 41 rounds of DMSA (currently at 25 mg) and 28 rounds of ALA (currently at 12.5 mg). I'm still pretty anti-social, and when I do attempt to put myself "out there" I become drained quickly. Daily life continues to be a struggle.
- I began chelating 3-5 days on and 7-10 days off, but I never tolerated much more than 3 days on. Over time this decreased toward 3 days on and 5 days off.
- A few months ago, I began working with a pain specialist (DrPawluk.com) and incorporating 3-5 hours of magnetic therapy into my daily regimen. Since then my body has dictated chelating 2 days on and 2 days off, and it feels like I'm headed toward one day very soon. If I don't chelate the pain/agitation becomes uncontrollable and I feel like an addict. I'm not sure if I've developed an intolerance, am detoxing at an accelerated rate, or am on the wrong chelating agent. I'm exhausted and I'm not sure how much longer I can keep up the current pace, but I'm afraid how my body will react if I don't chelate - when it's the only thing that gives me relief (for a very short time.) I also become agitated and my pain increases when it's time to stop a round. My doctor says to listen to my body and let it dictate the schedule, but I feel as though I might be missing something. Thanks in advance for any insight.

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

I grew up in Lititz, PA but now reside in Surprise, AZ. My health issues were present pre-move.