## HAIR ELEMENTS



**PATIENT: Number 240** 

SEX: Male AGE: 34

LOCATION: Barto, Pennsylvania

POTENTIALLY TOXIC ELEMENTS						
TOXIC RESULT REFERENCE PERCENTILE						
ELEMENTS	μg/g	RANGE	68		95 <sup>th</sup>	
Aluminum	18	< 7.0				
Antimony	0.051	< 0.066		······		
Arsenic	0.051	< 0.080		······		
Barium	2.2	< 1.0				•••••
Beryllium	< 0.01	< 0.020		·····		•••••
Bismuth	0.028	< 2.0	•			•••••
Cadmium	0.064	< 0.065		·····		
Lead	4.4	< 0.80		·····		
Mercury	0.81	< 0.80				
Platinum	0.003	< 0.005	•			
Thallium	< 0.001	< 0.002				
Thorium	< 0.001	< 0.002		·····		
Uranium	0.004	< 0.060	-	·····		
Nickel	0.39	< 0.20				
Silver	0.09	< 0.08				
Tin	0.10	< 0.30				
Titanium	0.27	< 0.60				
Total Toxic Represen		•				
		ESSENTIAL	. AND OTHER ELEMENT	S		
	RESULT	REFERENCE	AND OTHER ELEMENT	PERCENTI	F	
ELEMENTS		RANGE	2.5 <sup>th</sup> 16 <sup>th</sup>	50 <sup>th</sup>		4 <sup>th</sup> 97.5 <sup>th</sup>
Calcium	μg/g	200- 750	2.5	30	,	4 91.5
	725 27	25- 75				
Magnesium Sodium	33	20- 180				
Potassium	18	9- 80				
Copper	23	11- 30				
Zinc	200	130- 200				
Manganese	0.46	0.08- 0.50				······································
Chromium	0.70	0.40- 0.70				
Vanadium	0.047	0.018- 0.065				······
Molybdenum	0.055	0.025- 0.060				······
Boron	2.0	0.40- 3.0				······
Iodine	0.37	0.25- 1.8				······
Lithium	< 0.004	0.007- 0.020				······
Phosphorus	174	150- 220				······
Selenium	0.95	0.70- 1.2		•		
Strontium	0.59	0.30- 3.5				
Sulfur	49600	44000- 50000				
Cobalt	0.011	0.004- 0.020				
Iron	29	7.0- 16				
Germanium	0.041	0.030- 0.040				
Rubidium	0.026	0.011- 0.12				
Zirconium	4.5	0.020- 0.44				
		PECIMEN DATA			RATIOS	
COMMENTS:		PLCIMEN DATA			KATIUS	EXPECTED
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Co1- C!	0 106 ~	ELEMENTS	RATIOS	RANGE
	2/22/2008	Sample Size:	0.106 g			
Date Received: 12/26/2008		Sample Type:	Head	Ca/Mg	26.9	4- 30
Date Completed: 12/27/2008		Hair Color:	Brown	Ca/P	4.17	0.8- 8
Client Reference:		Treatment:		Na/K	1.83	0.5- 10
Methodology: ICP-MS		Shampoo:	Herbal Essence	Zn/Cu	8.7	4- 20
			V010.08	Zn/Cd	> 999	> 800

- 1. What are your current symptoms and health history? Light sensitvity, blurry vision at times, eyes feel drunk (nystigma?) some muscle pain in right leg (it migrates), brain fog, emotional at times, some fatigue when I first got sick this past july. These symptoms have not gotten worse.
- 2. ) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)

I have about six amalgams right now. A few amalgams have been replaced in the past six or seven years. One porcelain crown that was just put in a few weeks ago.

- 3. What dental work do you currently have in place? What part of the dental cleanup have you completed? Right now there are two large amalgam fillings and about four small ones. No dental clean up has taken place thus far. I have an appointment in a week to have them replaced.
- 4. What dentistry did your mother have at any time before or during pregnancy? Not sure about mother's dentistry. I am sure she had amalgam fillings though.
- 5. What vaccinations have you had and when (including flu and especially travel shots)? I have had the flu shot in the past. I did not get one this year. No vaccinations for travel.
- 6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken. I was taking antibiotics for possible lyme disease infection. Ceftin, biaxin, doxycycline (100mg 2 times/day), amoxicillin. Lexapro (10mg once a day). Nystatin (500,000 unit 2 times/day.) I am no longer taking any of these.

Vitamin C 1000mg twice a day. Cod liver oil, two teaspons/day. Multivitimin. Trace minieral supplement.

7. Other information you feel may be relevant? I have had thyroid function looked at this past september. It was fine. I had a spit test done for cortisol. My doctor said it was low, but the test showed it in reference range. My testosterone was low as well.

I was sure my sickness was due to lyme. My symptoms started a few days after a tick bite. Repeated testing showed no lyme. However, I did test positive for Epstein-Bar (titer was high) and HHV6. I don't know if this points to a current infection or not.

My symptoms may have started back in May. I got sick for a week-fatigue and no appetite, lost 10 pounds. I got better and resumed my normal life. Then, around July fourth, right after a taekwon-do class it really hit. I started with fatigue then the eye symptoms, then the emotional symptoms. It built over about a month. My theory, as far as I can tell from what I am reading on various chelation groups is that I may have mobilized toxins by starting my taekwon-do classes last spring.

My doctor has me on 500mg DMSA every other day (I know this contradicts the philosophy here). He did a urine challenge test (provoked with dmsa) which showed elevated levels of mercury and lead.

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