



PATIENT: Number 697
 SEX: Male
 AGE: 59

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.6	< 7.0	
Antimony (Sb)	0.012	< 0.066	
Arsenic (As)	0.060	< 0.080	
Barium (Ba)	0.07	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.005	< 2.0	
Cadmium (Cd)	0.021	< 0.065	
Lead (Pb)	0.10	< 0.80	
Mercury (Hg)	0.20	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.005	< 0.060	
Nickel (Ni)	0.05	< 0.20	
Silver (Ag)	0.05	< 0.08	
Tin (Sn)	0.02	< 0.30	
Titanium (Ti)	0.29	< 0.60	
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)	225	200- 750			
Magnesium (Mg)	32	25- 75			
Sodium (Na)	290	20- 180			
Potassium (K)	31	9- 80			
Copper (Cu)	10	11- 30			
Zinc (Zn)	320	130- 200			
Manganese (Mn)	0.06	0.08- 0.50			
Chromium (Cr)	0.37	0.40- 0.70			
Vanadium (V)	0.034	0.018- 0.065			
Molybdenum (Mo)	0.025	0.025- 0.060			
Boron (B)	2.1	0.40- 3.0			
Iodine (I)	0.34	0.25- 1.8			
Lithium (Li)	0.004	0.007- 0.020			
Phosphorus (P)	170	150- 220			
Selenium (Se)	0.84	0.70- 1.2			
Strontium (Sr)	0.54	0.30- 3.5			
Sulfur (S)	50000	44000- 50000			
Cobalt (Co)	0.004	0.004- 0.020			
Iron (Fe)	4.9	7.0- 16			
Germanium (Ge)	0.022	0.030- 0.040			
Rubidium (Rb)	0.032	0.011- 0.12			
Zirconium (Zr)	0.036	0.020- 0.44			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 11/15/2012		Ca/Mg	7.03
Date Received: 12/13/2012		Ca/P	1.32
Date Completed: 12/14/2012		Na/K	9.35
Methodology: ICP/MS		Zn/Cu	32
Sample Size: 0.197 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Gray	Treatment:		
Shampoo: HS			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 697

1. What are your current symptoms and health history?

On Sept 10, 2012, I had a Doctor's appointment to discuss toxins in my body such as PCBs where I am in the top 10% for my age in this country that may have contributed to my B-cell lymphoma that was Dx 12/07 and after chemotherapy (CVP-R) have been in remission since May 2008. The cancer I have is not curable but manageable is what I am told. The attached letter is the result of a law firm contacting me about my B-cell. I told them if they could test me before I got out of the military in April 2010 I would do it. They did, and the enclosed letter has me in the top whatever % to add me to their list. Next yearly checkup due 1/13 with oncologists. At the time I was healthy just returned from Afghanistan after a year, and went through chemo well.

On 9/10/12, I was a Doctor that put me on 300-600 mg of ALA, 1200 mg of NAC 2 x a day, milk thistle, Vit D, IR Sauna. I was given Arginine and Carnitine for neuropathy from chemo,

On 9/17/12, I had an appointment with a dentist because a molar began to come apart-top right last tooth. I did not remember having a filling there—must have been within last 5 years in the military.

On 9/29/12, I went to a movie that was 3-D (1st one for me) with my daughter and ate cheap pizza. Half way through I got a headache and blurred vision, and my tongue had a strange taste to it. Since chem. I can not taste food all that well anyway. The blurred vision lasted for 4 to 5 days and I was having extreme brain fog, and my ears began to ring loud a couple of days later. The headaches started to get worse and worse. I began to treat with high dose ibuprofen because it felt as though my head was swelling. I called the Doctor and I was told that it was not the suppl I was taking and to continue. I knew something was wrong and stopped everything. The headache would first center above my left eye then change to above the right eye or on top of my head in the middle or sides in the back. This day I stopped everything to include my hormone shot for Low-T.

Around 11/1/12, I began to have a sore throat and had culture done and came back 4 days later as Strep B and was put on a 5 day Zpack. The doctor told me that all my symptoms were related to the bacteria. I had a burn around my wedding ring finger that I was told was contact dermatitis which I have never had.

On 11/15/12, I broke out in a sweat and was having a hard time walking, talking, thinking and was at work. Went to the ER (lab enclosed and they did nothing for me, but soon felt a little better. I had a racing heart and my brain was feeling hot. I started taking 30 grams of lecithin to just be able to deal with the head buzzing/burning and would help but seemed I needed more and more to help.

On 11/19/12 & 11/20/12, I went to Dr. Ellenburg's office (records enclosed) and he gave me a Vit C IV both days with mag in them along with ozone and UV blood treatment on 11/20. It made my head feel so much better. I literally was at a point of tears in his office. Here are the symptoms I gave him. Head burning; ears ringing; ears flushed; feet ice cold as of the last few days; touched a metal bolt and entire hand started to itch; ankles swollen a little; burning skin on neck; fast heart or beating hard; going to urinate constantly; non-stop drinking water excessively because of thirst; bumps under the tongue; balance a little off; feeling flushed; had

food get stuck in throat more often; lips burn a little numb; saw some things move in corner of eye that cannot move.; By the time I left the office my heart was settled down. We worked on a suppl list (enclosed) and a follow up on 12/21/12 in his office. He believes my system was so excited by the high level of NAC that may have stirred up my PCBs to attack my body again along with what ever else is in my system that may include mercury. But for his experience my timeline is not long enough to include issues from amalgams. He wanted me to try the DMSA I have at about the 100 mg level starting on Friday. I am seeking info from the on-line group as to what dose and duration I should start. He has given me some Lypo-Spheric Vit C to keep my system calm and not excited. One packet a day is not enough to do this. I have been taking the suppl since this date.

I currently have finished 4 rounds of DMSA at 3.5 mg.

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

Nothing left as of November 2012. Only had 3 fillings. I had onr tooth pulled that was falling apart and the other two amalgams removed.

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

None left.

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

I am 59 years old??????????

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

Until 2010 I spent 30 years in the military--I had all shots known to man up to then.

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

ALA at 500 mg a day and NAC at 1200 mg a day.---this was about 2 1/2 mths before the hair sample.

7. What is your age, height and weight?

59 years old; 6' 1"; 240 lbs.

8. Other information you feel may be relevant?

I am in the top 10% in this country for my age for high levels of PCB in my blood. Also have high EBV titers and B-cell lymphoma.

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

All over Alaska and spent a year in Afghanistan.