



PATIENT: Number 545  
 SEX: Female  
 AGE: 65

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	2.9	< 7.0	
Antimony (Sb)	0.025	< 0.050	
Arsenic (As)	0.081	< 0.060	
Barium (Ba)	1.4	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.015	< 2.0	
Cadmium (Cd)	0.44	< 0.050	
Lead (Pb)	1.8	< 0.60	
Mercury (Hg)	0.32	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.35	< 0.060	
Nickel (Ni)	0.18	< 0.30	
Silver (Ag)	0.02	< 0.15	
Tin (Sn)	0.26	< 0.30	
Titanium (Ti)	0.41	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>		
Calcium (Ca)	1020	300- 1200			
Magnesium (Mg)	75	35- 120			
Sodium (Na)	86	20- 250			
Potassium (K)	29	8- 75			
Copper (Cu)	15	11- 37			
Zinc (Zn)	200	140- 220			
Manganese (Mn)	0.20	0.08- 0.60			
Chromium (Cr)	0.46	0.40- 0.65			
Vanadium (V)	0.025	0.018- 0.065			
Molybdenum (Mo)	0.031	0.020- 0.050			
Boron (B)	0.37	0.25- 1.5			
Iodine (I)	1.0	0.25- 1.8			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	133	150- 220			
Selenium (Se)	1.1	0.55- 1.1			
Strontium (Sr)	1.7	0.50- 7.6			
Sulfur (S)	46800	44000- 50000			
Cobalt (Co)	0.013	0.005- 0.040			
Iron (Fe)	9.8	7.0- 16			
Germanium (Ge)	0.032	0.030- 0.040			
Rubidium (Rb)	0.033	0.007- 0.096			
Zirconium (Zr)	0.056	0.020- 0.42			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected:	Sample Size: 0.197 g	Ca/Mg	13.6
Date Received: 10/24/2011	Sample Type: Head	Ca/P	7.67
Date Completed: 10/26/2011	Hair Color:	Na/K	2.97
Methodology: ICP/MS	Treatment:	Zn/Cu	13.3
	Shampoo:	Zn/Cd	455
		<b>RANGE</b>	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

## **Health history for hair test 545**

October 27, 2011

1. I have a long history of mild asthma, allergies and chemical sensitivities, most notably since 1981 from working at a chemically toxic job in the aerospace industry, including two years in the missile building, which I did for five years. For these problems I started LDA low dose antigen therapy in June and have had my third pair of shots for those problems. The shots are LX, IC and CF. I have had problems with concentration since around pubescence. I grew up near apple orchards and there was spraying of DDT and whatnot every year. Every winter especially, I have trouble breathing because of stuffed sinuses. The air quality goes down in winter and wood is burned where I live in the north.

My more recent and lengthy issue is lyme disease. It took about 5 years to get diagnosed and I have been treated for it for 3-and-a-half years. The first year of treatment was with an alternative doctor who gave me herbs. I switched to an LLMD who kept me on high doses of antibiotics pretty continually for 2 years and 4 months. At the end of August of this year (2011), my LLMD took me off the antibiotics to determine whether I am through with lyme and treatment. I would be dead had I not been diagnosed and treated.

I'm feeling much better off the drugs but still have issues. Every morning I wake up with a headache that varies in intensity from mild to medium. I had/have neuro-lyme. My other major problem is fatigue; also brain fog. My energy level has not yet returned. Other symptoms - stiff neck, mild anxiety, cough and occasional problems sleeping, tinnitus in one ear. My symptoms are greatly increased two days after I go to the gym and exercise, then they quickly return to where they were.

2. My wisdom teeth were removed when I was about 22 and I am now 65. No complications. My first amalgam was when I was about 10?? and I got a lot of them. No braces. When I was eight, my mother was taking my temperature with a mercury thermometer. I bit too hard on it and it broke in my mouth. All I can remember is that my mother made me quickly spit it out.

3. I had all mercury amalgams removed about 18 years ago by a very good biological dentist. The same dentist did do a root canal on one tooth about 10-years-ago and that is the only root canal I have. I had problems with my teeth chipping and sensitive gums during lyme but that has passed.

Note that my dentist uses a procaine wash on root canals which he says avoids cavitations or other root canal problems. This is his protocol.

4. I'm not aware of my mother's dental history during her pregnancy with me and she is deceased.

5. I had a smallpox vaccine when I was a young child and another when I was 22 (around 1969.) I had a polio vaccine when I was about 9 or 10 (1955 or 56). I had a booster polio shot when I was in high school at about 17 (around 1963). I had a tetanus shot when I was about 17 (about 1963.)

6. Supplements for the past 6 months: All One Active Seniors multiple vitamin & mineral powder - too many ingredients to list; 2000 IU vitamin D3; Holistic Health General Vitamin Neurological Formula, copper and iron free, too many ingredients to list; 50mg DHEA which I stopped two months ago; polygonum cuspidatum - a raw herb that I powdered myself and take the tip of a teaspoon 2-3 times a day; 1mg methylcobalamin sublingual, 1000mg Carlson's cod liver oil; Zhang HH capsules; 2-6 drops MMS, varying over the last 6 months. For the past two months, I have been taking an herbal formula that my first doctor gave me for lyme and its ingredients are:

Usnea

Marshmallow Root organic

Licorice Root organic

White Peony Root organic

Bupleurum Root organic

Gentian Root organic

Sarsaparilla Root, Mexican

I'm also taking a stephania root extract.

Medications for the past 6 months (none for the past two months):

Azithromycin at 500mg and rifampin at 300mg twice a day.

7. I use Jason shampoo.

8. I live in Spokane, Washington, USA on upper South Hill.