

HAIR ELEMENTS



PATIENT: Number 460
SEX: Female
AGE: 47
LOCATION: SC, Fresno, CA, USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	6.4	< 7.0		
Antimony	0.018	< 0.050		
Arsenic	0.026	< 0.060		
Barium	8.1	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.15	< 2.0		
Cadmium	0.021	< 0.050		
Lead	0.20	< 0.60		
Mercury	2.0	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.035	< 0.060		
Nickel	0.23	< 0.30		
Silver	0.04	< 0.15		
Tin	0.19	< 0.30		
Titanium	0.71	< 0.70		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	3420	300- 1200					
Magnesium	550	35- 120					
Sodium	230	20- 250					
Potassium	110	8- 75					
Copper	28	11- 37					
Zinc	280	140- 220					
Manganese	0.80	0.08- 0.60					
Chromium	0.46	0.40- 0.65					
Vanadium	0.26	0.018- 0.065					
Molybdenum	0.031	0.020- 0.050					
Boron	1.0	0.25- 1.5					
Iodine	2.4	0.25- 1.8					
Lithium	0.009	0.007- 0.020					
Phosphorus	210	150- 220					
Selenium	1.0	0.55- 1.1					
Strontium	13	0.50- 7.6					
Sulfur	43600	44000- 50000					
Cobalt	0.026	0.005- 0.040					
Iron	2.7	7.0- 16					
Germanium	0.026	0.030- 0.040					
Rubidium	0.15	0.007- 0.096					
Zirconium	0.049	0.020- 0.42					

SPECIMEN DATA

COMMENTS:
 Date Collected: 3/3/2011 Sample Size: 0.198 g
 Date Received: 3/12/2011 Sample Type: Head
 Date Completed: 3/17/2011 Hair Color: Black
 Client Reference: 1267766 Treatment: Dye
 Methodology: ICP-MS Shampoo: Giovanni

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	6.22	4- 30
Ca/P	16.3	1- 12
Na/K	2.09	0.5- 10
Zn/Cu	10	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 460

1. Current symptoms:

I have hormonal imbalance, chemical sensitivity, [sleep disorder](#), memory problems, joint pain, anger problems.

2. Dental history:

I have root canal done some times in 1990s, [wisdom tooth](#) removed, three root removed surgery after all the crowns broke off, four amalgam filling also sometime in 1993, I have those four amalgam replaced with composite in Dec. 2009 by a very pro-amalgam dentist, with no protection, because he said it just for the cosmetic reason only. A week ago, I went to different Dentist to have an evaluation and was told that one of the teeth is discolored, he was not sure if there is any mercury left in the teeth.

3. Dental work currently in place:

I am not sure at this moment if I should continue with the chelation protocol or should I look for a Bio- Dentist to replace those fillings again. I have some stain on the teeth that had the amalgam removed, and I am not sure if any Mercury still left inside the teeth.

4. Mother's dentistry:

My Mother did not have any dental work done during pregnancy.

5. Vaccinations:

I came from the foreign country so I don't have the record of vaccinations, we did not have a lot there, I had one [flu shot](#) in 1998 and became very sick after that, so I stopped.

6. Supplements and medications:

I take T3 2mg, 2 times a day, hydrocortisol 5mg, 2times a day, I was taking dmsa, 25mg every 3 hour and ALA100mg, with taurine and biotin. fish oil, flax oil, b complex 100.

7. Age, height, weight: I am 47years old, 5feet, 115 lbs

8. Other information:

I don't sweat any more, [hypoglycemia](#), dizziness, [chest pain](#), cold hands and feet, leg cramp, heart racing, very dry skin, especially on my heels and hands. My nails are deformed, and my fingers are swollen.

9. Location:

I lived in SC for 6 years prior to this location which is in Fresno. CA

Thank you for posting my responses,