

HAIR ELEMENTS



PATIENT: Number 360
SEX: Male
AGE: 32
LOCATION: Southeastern, USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	1.8	< 7.0		
Antimony	0.012	< 0.066		
Arsenic	0.082	< 0.080		
Barium	0.15	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.025	< 2.0		
Cadmium	0.027	< 0.065		
Lead	0.10	< 0.80		
Mercury	0.25	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.004	< 0.060		
Nickel	0.03	< 0.20		
Silver	0.04	< 0.08		
Tin	0.05	< 0.30		
Titanium	0.51	< 0.60		
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	475	200- 750					
Magnesium	59	25- 75					
Sodium	47	20- 180					
Potassium	7	9- 80					
Copper	25	11- 30					
Zinc	210	130- 200					
Manganese	0.10	0.08- 0.50					
Chromium	0.25	0.40- 0.70					
Vanadium	0.012	0.018- 0.065					
Molybdenum	0.028	0.025- 0.060					
Boron	0.70	0.40- 3.0					
Iodine	0.26	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	228	150- 220					
Selenium	1.0	0.70- 1.2					
Strontium	3.8	0.30- 3.5					
Sulfur	48400	44000- 50000					
Cobalt	0.004	0.004- 0.020					
Iron	4.7	7.0- 16					
Germanium	0.029	0.030- 0.040					
Rubidium	0.011	0.011- 0.12					
Zirconium	0.077	0.020- 0.44					

SPECIMEN DATA

COMMENTS:
 Date Collected: 4/9/2009 Sample Size: 0.197 g
 Date Received: 4/13/2009 Sample Type: Head
 Date Completed: 4/15/2009 Hair Color: Brown
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo:

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	8.05	4- 30
Ca/P	2.08	0.8- 8
Na/K	6.71	0.5- 10
Zn/Cu	8.4	4- 20
Zn/Cd	> 999	> 800

V010.08

HAIR ELEMENTS



PATIENT: Number 360, July 2010 Update
SEX: Male
AGE: 33
LOCATION: Southeastern, USA

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	5.4	< 7.0		
Antimony	0.014	< 0.066		
Arsenic	0.050	< 0.080		
Barium	0.17	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.042	< 2.0		
Cadmium	0.018	< 0.065		
Lead	0.07	< 0.80		
Mercury	0.28	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.003	< 0.060		
Nickel	0.11	< 0.20		
Silver	0.02	< 0.08		
Tin	0.04	< 0.30		
Titanium	0.99	< 0.60		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS							
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE			97.5 th	
			2.5 th	16 th	50 th		84 th
Calcium	261	200- 750					
Magnesium	29	25- 75					
Sodium	3	20- 180					
Potassium	3	9- 80					
Copper	10	11- 30					
Zinc	220	130- 200					
Manganese	0.06	0.08- 0.50					
Chromium	0.22	0.40- 0.70					
Vanadium	0.015	0.018- 0.065					
Molybdenum	0.046	0.025- 0.060					
Boron	0.63	0.40- 3.0					
Iodine	0.29	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	217	150- 220					
Selenium	1.1	0.70- 1.2					
Strontium	0.12	0.30- 3.5					
Sulfur	52300	44000- 50000					
Cobalt	0.006	0.004- 0.020					
Iron	6.7	7.0- 16					
Germanium	0.029	0.030- 0.040					
Rubidium	0.005	0.011- 0.12					
Zirconium	0.055	0.020- 0.44					

SPECIMEN DATA				RATIOS		
COMMENTS: results checked				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 7/1/2010	Sample Size: 0.199 g					
Date Received: 7/7/2010	Sample Type: Head			Ca/Mg	9	4- 30
Date Completed: 7/10/2010	Hair Color: Brown			Ca/P	1.2	0.8- 8
Client Reference:	Treatment:			Na/K	1	0.5- 10
Methodology: ICP-MS	Shampoo: Hugo Ntrls			Zn/Cu	22	4- 20
				Zn/Cd	> 999	> 800

Health history for hair test 360

I am a 33 year old male.

Current symptoms and health history - Had very bad case of Mononucleosis when 18-19 years old. Always had dairy and other food sensitivities. Always slender profile - hard to gain/put on weight. Presently 6'0" and 136 lbs. which has been my average weight for ten or more years. There was a time when I was doing better 10-11 years ago and went up to almost 150 lbs. I continue to get worse as time goes on.

"Unofficially" through biofeedback testing Dx'd with having Lyme and co-infections, not sure if this is the case, though I have symptoms that do cycle with the moon. My Western Blot for Lyme was Negative.

I am presently suffering from random symptoms that come and go at will and do seem to tie to the lunar cycle. Since I started DMSA chelation, some of these symptoms would improve, others would worsen during chelation. Overall, the symptoms after three rounds seem to have improved.

Primary symptoms:

- On/off mild to moderate blurry/double vision which is best described as rings or halos around bright lights that expand and quickly contract upon blinking eyes. I can go for days without this happening, then go for days with it. Nothing correlates to it.

- Skin pinching/burning sensations randomly throughout the body.

- For past 15 years (half my life) - and continually worsening ever since - intolerance to any sweets even fruits - due to yeast/candida (which I have positive lab antibody titers for).

- Occasional joint aches - this is one symptom that is more obvious *during* chelation.

- Much improved now, but occasional arrhythmia.

Dental history - Nine amalgam fillings during childhood and young adult life (1 removed improperly 12 years ago; remainder removed properly 10 years ago). Wisdom teeth removed at age 18. Metal/nickel? based orthodontic braces for five years as young child. No dental work in place other than resin based fillings which replaced the amalgams.

Dentistry mother had at any time before or during pregnancy - To the best of my knowledge she had many amalgam and possibly one or two gold fillings (count unknown) throughout childhood - all from dentists in South America. She eventually had all teeth ground to stubs and full veneer caps put on top and bottom, but I believe this came after my birth. None of the amalgams were removed properly. I'm sure some fillings were replaced prior to my birth. Don't know about during pregnancy.

What vaccinations have you had and when - Was born in 76 had all recommended vax. throughout childhood. Last one received was during mid teen years - believe it was for Hep. (only had 1st of 3).

Supplements and medications (including dosages) taken at time of hair test - Was on too much to list. Probably main one of note would be Zinc 50-100mg/day.

What is your location - city & country - Lived in NYC first 4 years of my life; followed by 22 years in SE Florida; and the past 7 in Southeastern USA.

Additional Info.

I would like to add that I have had genetic testing done and my results pretty much confirm that my body has to have issues getting rid of heavy metals on its own (GSTM1 - absent; MTHFR abnormality; etc.).