

HAIR ELEMENTS



PATIENT: Number 354
SEX: Male
AGE: 46
LOCATION: Philadelphia, PA, US

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE		
			68 th	95 th	
Aluminum	3.1	< 7.0			
Antimony	0.020	< 0.066			
Arsenic	0.041	< 0.080			
Barium	0.24	< 1.0			
Beryllium	< 0.01	< 0.020			
Bismuth	0.073	< 2.0			
Cadmium	0.072	< 0.065			
Lead	0.54	< 0.80			
Mercury	0.13	< 0.80			
Platinum	< 0.003	< 0.005			
Thallium	< 0.001	< 0.002			
Thorium	< 0.001	< 0.002			
Uranium	0.002	< 0.060			
Nickel	0.14	< 0.20			
Silver	0.04	< 0.08			
Tin	0.08	< 0.30			
Titanium	0.56	< 0.60			
Total Toxic Representation					

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	492	200- 750					
Magnesium	42	25- 75					
Sodium	150	20- 180					
Potassium	130	9- 80					
Copper	12	11- 30					
Zinc	210	130- 200					
Manganese	0.10	0.08- 0.50					
Chromium	0.52	0.40- 0.70					
Vanadium	0.060	0.018- 0.065					
Molybdenum	0.053	0.025- 0.060					
Boron	2.1	0.40- 3.0					
Iodine	0.59	0.25- 1.8					
Lithium	0.005	0.007- 0.020					
Phosphorus	245	150- 220					
Selenium	1.4	0.70- 1.2					
Strontium	0.56	0.30- 3.5					
Sulfur	50100	44000- 50000					
Cobalt	0.005	0.004- 0.020					
Iron	6.8	7.0- 16					
Germanium	0.029	0.030- 0.040					
Rubidium	0.099	0.011- 0.12					
Zirconium	0.12	0.020- 0.44					

SPECIMEN DATA

COMMENTS:

Date Collected: 4/6/2010 Sample Size: 0.196 g
Date Received: 4/9/2010 Sample Type: Head
Date Completed: 4/12/2010 Hair Color: Brown
Client Reference: Treatment:
Methodology: ICP-MS Shampoo: Pert

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	11.7	4- 30
Ca/P	2.01	0.8- 8
Na/K	1.15	0.5- 10
Zn/Cu	17.5	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 354

1. What are your current symptoms and health history?

Current:

ADHD symptoms: poor time management, discipline, focus.

Brain fog: this seems somewhat related to consumption of fast acting carbs but not entirely dependent on it.

Adrenal Fatigue: exhaustion and poor motivation in the late afternoon and early evening.

Osteopenia. After extensive tests by endocrinologist reason unknown. A few years ago I broke my leg playing non contact sports.

Some minor trouble digesting proteins--tired after eating them.

History:

Healthy youth--no Adhd or other major problems, alert, disciplined, good student, fairly frequent ear infections with antibiotics.

In my twenties and early thirties I was working in my family carpentry and cabinetry business. I was frequently on job sites where very old paint was being sanded--lead paint dust suspected. I occasionally installed arsenic treated wood decks.

In my late twenties I got Lyme disease. I had the classic red mark but there were no tests run to confirm. I was given one round of antibiotic. It was around this time that my Adhd, brain fog and adrenal fatigue issues became a limiting factor in my life. I had to abandon my planned career path due to a lack of mental and physical health. My doctor did not know what the problem was. Blood tests including thyroid were normal.

I tried to self-medicate with sugar, caffeine and stress. This resulted in an energy roller coaster and I'd be exhausted by the end of the work day.

It was not until my early forties that supplements started to help reduce symptoms.

Today most symptoms are managed reasonably well so that I can perform at a relatively normal level. I say managed since I need the medicine and supplements, etc.

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

Wisdom teeth in late teens. No other extractions, root canal or braces. First amalgam around 13. I was a sharp, healthy 13 yr old but never as healthy after that.

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

Most amalgams removed several years ago. Final amalgam removed a few days ago. None were removed 'safely'.

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

She had at least several amalgams, but nothing else. She did not and does not have any of my symptoms except some relatively minor time management and discipline issues

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

Typical for US child born in early-mid 1960's. None since my youth.

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

Summary: Daily: Adderall for Adhd: 15mg daily; Multivitamin/mineral, 2 fish oil, 2000 IU Vit. D, bone/calcium supplements, various amino acids, Phospholipids, CoQ10, liquid minerals, Thyroid Helper, digestive enzyme, probiotic, etc.

Estimate of daily intake of Supplemental Minerals: New Vision Liquid Minerals 425mg (1 tbsp) daily, plus: Ca 500mg, Mg 215mg, K 105mg, Cu 1mg, Zn 17mg, Mn 4mg, Cr 120mcg, V 10mcg, Mo 85 mcg, Bo, 180mcg, Iodine 220mcg, Li 0, P 90mg, Se 140mg, Iron 18mg.

7. What is your age, height and weight?
46 yrs old, 6'-11", 188lbs.

8. Other information you feel may be relevant?
Spect brain scan a few years ago by Amen Clinic was consistent with ADHD and former Lyme disease.

Recent Labcorp Porphyrins test did not show any results that were high. The only test that was high-normal relative to the "reference interval" was 7-CP: 2 (Ref: 0-2), however I don't think that test is typically an indicator for mercury or lead.
UP: 5, 7-CP: 2, 6-CP: <1, 5-CP: <1, CP I: 8 (Ref: 0-15), CP III: 31 (Ref: 0-49)

9. What is your location – city & country (so that we can learn where certain toxins are more prevalent).
Northwest suburb of Philadelphia, PA, US