

HAIR ELEMENTS



PATIENT: Number 454
SEX: Male
AGE: 42
LOCATION: Sydney, Australia

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	3.6	< 7.0		
Antimony	< 0.01	< 0.066		
Arsenic	0.035	< 0.080		
Barium	0.75	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	< 0.002	< 2.0		
Cadmium	0.014	< 0.065		
Lead	0.70	< 0.80		
Mercury	0.60	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.016	< 0.060		
Nickel	0.06	< 0.20		
Silver	0.03	< 0.08		
Tin	0.09	< 0.30		
Titanium	0.30	< 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	505	200- 750					
Magnesium	45	25- 75					
Sodium	10	20- 180					
Potassium	< 3	9- 80					
Copper	32	11- 30					
Zinc	150	130- 200					
Manganese	0.07	0.08- 0.50					
Chromium	0.29	0.40- 0.70					
Vanadium	0.019	0.018- 0.065					
Molybdenum	0.023	0.025- 0.060					
Boron	0.38	0.40- 3.0					
Iodine	2.4	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	138	150- 220					
Selenium	0.67	0.70- 1.2					
Strontium	1.2	0.30- 3.5					
Sulfur	47100	44000- 50000					
Cobalt	0.004	0.004- 0.020					
Iron	6.2	7.0- 16					
Germanium	0.030	0.030- 0.040					
Rubidium	0.005	0.011- 0.12					
Zirconium	0.041	0.020- 0.44					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 2/26/2011	Sample Size: 0.2 g			Ca/Mg	11.2	4- 30
Date Received: 3/7/2011	Sample Type: Head			Ca/P	3.66	0.8- 8
Date Completed: 3/11/2011	Hair Color: Blond			Na/K	3.33	0.5- 10
Client Reference: 1261370	Treatment:			Zn/Cu	4.69	4- 20
Methodology: ICP-MS	Shampoo: Normal Hair			Zn/Cd	> 999	> 800
V010.08						

Health history for hair test 454

1. What are your current symptoms and health history?

Diagnosed fasting hypoglycemic as a kid (approx age 5-7). All symptoms went away around the age of 12. Since have become reactive hypoglycemic (suspect symptoms started around age 22-23). Reactive Hypoglycemia (diagnosed with a 4-Hr GTT in 04/2008)

Increased gut permeability (diagnosed with a Lactulose/Mannitol test in 10/2008).

Supposed copper toxicity (previous non DDI hair test (09/2008) Zn/Cu ratio of 3.4), previous blood serum/plasma Zn/Cu ratio of 0.78 (04/2008) and 0.86 (07/2008).

Numerous food intolerances, its rare that I can eat without feeling a symptom (primarily brain, also eyes, eyelids, sinus, and gut). Never used to get gut cramps, but the last year or so have started to get them.

Sinus congestion (blocked nose) unless using a prescription nasal spray daily (non-steroid based).

Continuous low level fatigue and lethargy, sometimes increases (sometimes a lot) after eating due to food intolerances.

Continous low level brain fog, increases often after eating due to food intolerances (currently unable to find a set of food that doesn't increase the fog, the 'base' diet for pretty much every clinic and doctor I have been to hasn't worked).

Suspected protein intolerance (especially High sulfur protien, such as whey and eggs), also have had the same symptoms with sulfur vegetables such as asparagus, broccoli, onion etc. Muscle cramps, especially while asleep.

Regular frantic moods, mood swings, occasional depression and anxiety.

Hair thinning, skin dry and flaky (especially on face and legs).

Annual bout of athlete's foot (never completely goes away, no matter how long I apply the creme for).

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

First amalgam around the age of 16, had 5-6 inserted. Had a massive amalgam crown inserted (as a molar tooth) in 1992.

Have had root canal therapy twice (1992-1995). Have had a one wisdom tooth removed (approx 2006).

Had a composite (?) crown inserted between 1992-1995.

All crowns removed, and all amalgams removed (replaced by composites), by a dentist that advertises safe removal (approx 2002/2003).

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

Only composite fillings, no crowns.

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

Don't know.

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

No travel shots (that I know of), have had flu vaccinations the past 3 years.

Not sure what I had as a child.

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

Occasional Zinc (50mcg per day), occasional Berocca (Vitamin B-multi (low amounts) and Vitamin C (500mg)).
Nasonex Nasal Spray.

7. What is your age, height and weight?

42, 68kg, 175cm.

8. Other information you feel may be relevant?

None.

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

Sydney, Australia.