



PATIENT: Number 980
SEX: Male
AGE: 34

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	7.2	< 7.0	
Antimony (Sb)	0.035	< 0.066	
Arsenic (As)	0.020	< 0.080	
Barium (Ba)	0.24	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.96	< 2.0	
Cadmium (Cd)	0.025	< 0.065	
Lead (Pb)	2.2	< 0.80	
Mercury (Hg)	< 0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.077	< 0.060	
Nickel (Ni)	0.10	< 0.20	
Silver (Ag)	0.20	< 0.08	
Tin (Sn)	0.19	< 0.30	
Titanium (Ti)	0.20	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th		
Calcium (Ca)	332	200- 750			
Magnesium (Mg)	27	25- 75			
Sodium (Na)	20	20- 180			
Potassium (K)	29	9- 80			
Copper (Cu)	16	11- 30			
Zinc (Zn)	170	130- 200			
Manganese (Mn)	0.16	0.08- 0.50			
Chromium (Cr)	0.37	0.40- 0.70			
Vanadium (V)	0.025	0.018- 0.065			
Molybdenum (Mo)	0.044	0.025- 0.060			
Boron (B)	0.90	0.40- 3.0			
Iodine (I)	0.20	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	159	150- 220			
Selenium (Se)	0.65	0.70- 1.2			
Strontium (Sr)	0.71	0.30- 3.5			
Sulfur (S)	48100	44000- 50000			
Cobalt (Co)	0.003	0.004- 0.020			
Iron (Fe)	8.2	7.0- 16			
Germanium (Ge)	0.024	0.030- 0.040			
Rubidium (Rb)	0.024	0.011- 0.12			
Zirconium (Zr)	0.040	0.020- 0.44			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 06/20/2014	Sample Size: 0.196 g	Ca/Mg	12.3
Date Received: 06/30/2014	Sample Type: Head	Ca/P	2.09
Date Completed: 07/01/2014	Hair Color: Brown	Na/K	0.69
Methodology: ICP/MS	Treatment:	Zn/Cu	10.6
	Shampoo: Jason	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 980

1. What are your current symptoms and health history?

- Ulcerative Colitis, fatigue, severe dandruff, seborrheic dermatitis, hair loss, receding gums, anxiety, aggression, depression, asthma (at a young age), many colds/flu.

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

- Total of 5 mercury amalgam fillings in lifetime. Most placed during childhood (age 16 and under). At age 17 started to use composite fillings instead. One mercury filling fell out while eating, possibly swallowed some bits. Had 4 mercury fillings removed within two years of the hair test. Braces in 2006, removed braces in early 2007, got Ulcerative Colitis late 2007. Health deteriorated after getting braces.

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

- No remaining mercury amalgams. All have been replaced with composite. No other dental work.

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

- Amalgam fillings. Mother did electrical soldering.

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

- Standard Canadian vaccinations (measles, mumps, rubella, polio, chickenpox, booster, etc.). All vaccinations taken at a very young age (before I was 18 years old). No flu shots ever.

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

Vitamin C (1000mg) slow release -- 1 per day

ALA (50mg) -- taken according to Cutler Protocol

NAC (200mg) -- 2 per day

Saccharomyces boulardii (10 billion) -- 2 per day

Glutathione (200mg) -- 1 per day

7. What is your age, height and weight?

Age: 34

Height: 5' 10"

Weight: 150lbs

8. Other information you feel may be relevant?

- I've taken hydrogen peroxide for about 1 month while I still had 4 mercury amalgams.

- Have done clinical fecal transplants for ulcerative colitis.
- I work for a metal fabricator. I work mostly with stainless steel, steel, and aluminum.
- I've done soldering of electrical components in the past.
- As a left-handed person I would always smudge the lead written on paper with my hand.
- I have been wearing a silver necklace for a long time.
- I had a very stressful job prior to getting ulcerative colitis. It was the most stressful point in my life.

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

- Mississauga, Ontario, Canada