



PATIENT: Number 866  
 SEX: Male  
 AGE: 29

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	4.7	< 7.0	
Antimony (Sb)	0.020	< 0.066	
Arsenic (As)	0.037	< 0.080	
Barium (Ba)	0.72	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.006	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.56	< 0.80	
Mercury (Hg)	0.20	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.027	< 0.060	
Nickel (Ni)	0.05	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	0.12	< 0.30	
Titanium (Ti)	0.23	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>		
Calcium (Ca)	537	200- 750			
Magnesium (Mg)	48	25- 75			
Sodium (Na)	9	20- 180			
Potassium (K)	9	9- 80			
Copper (Cu)	59	11- 30			
Zinc (Zn)	180	130- 200			
Manganese (Mn)	0.14	0.08- 0.50			
Chromium (Cr)	0.38	0.40- 0.70			
Vanadium (V)	0.029	0.018- 0.065			
Molybdenum (Mo)	0.041	0.025- 0.060			
Boron (B)	1.0	0.40- 3.0			
Iodine (I)	0.86	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	168	150- 220			
Selenium (Se)	1.2	0.70- 1.2			
Strontium (Sr)	1.8	0.30- 3.5			
Sulfur (S)	46800	44000- 50000			
Cobalt (Co)	0.004	0.004- 0.020			
Iron (Fe)	8.6	7.0- 16			
Germanium (Ge)	0.028	0.030- 0.040			
Rubidium (Rb)	0.008	0.011- 0.12			
Zirconium (Zr)	0.96	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		ELEMENTS	RATIOS
Date Collected: 09/09/2013	Sample Size: 0.201 g	Ca/Mg	11.2
Date Received: 09/16/2013	Sample Type: Head	Ca/P	3.2
Date Completed: 09/17/2013	Hair Color: Brown	Na/K	1
Methodology: ICP/MS	Treatment:	Zn/Cu	3.05
	Shampoo: Avalon Organics	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## **Health history for hair test 866**

1) My current symptoms are:

- digestive difficulties
- multiple food intolerances
- fatigue
- brain fog, difficulty concentrating
- headaches and a generalized feeling of pressure in my head
- ringing in the ears (tinnitus), as well as itchiness in ears
- insomnia at night
- low body temperature and very cold extremities
- abdominal and lower back pain
- stiffness in joints
- post nasal drip
- excessive sweating in groin area
- frequent need to urinate
- constant hunger and weakness
- dry mouth and constant thirst
- dizzy and light headed
- sensitivity to light

2) Dental History:

- wisdom teeth removed in 2004 and 2005
- first root canal in 2009
- amalgam fillings since childhood.
- at the point, I discovered mercury could be problematic for me, I had 4 amalgam fillings. had 1 removed in November 2012 and 3 removed in January 2013.

3) currently I have composite fillings where the metal fillings were. when the amalgam fillings were removed, there were no precautions other than a dental dam used

4) Mother had dentures in at time of pregnancy and the years leading up to pregnancy. no root canals or amalgam fillings ever

5) had flu shots many years starting in about the year 2000 to 2010. also receiving allergy desensitization needles from 2006-2012. had all childhood vaccines, not sure of exact dates and details. but I was born in 1983.

6) Supplements:

- 1 billion a day renew life probiotics
- chelation therapy with dmpps only thus far, currently at 15 mg every 8 hours three days on, 4 days off
- maca herb 1 per day
- Hydrocortisone 20 mg daily
- zinc 200 mg daily
- magnesium 300 mg daily
- b 12 methylcobalamin 5000 mg daily

- Vitamin D 10000 mg daily (liquid)
- milk thistle for liver support 1 daily
- molybdenum 1 daily
- seroquel rx 25 mg at bedtime
- melatonin at bedtime as needed
- omega 3 fish oil super concentrated 1 tbsp daily

Note: I do not take all of these consistently because its hard to keep up with financially but I do the best that I can

7) age: 29 years

height: 5'11"

weight: 148 lbs

8) Other Information that could be relevant: I felt perfectly healthy up until 2006 when I started receiving weekly and later monthly allergy desensitization needles for an allergy to pollen and dust. it was shortly after starting these injections that I began to have post nasal drip, excessive groin sweating and prostate pain. but I did not make the connection. also, I was late reaching puberty, which my ARNP believes could be related to mercury in the pituitary gland.

9) I live, and was born and raised in the town of Hant's Harbour, in the province of Newfoundland on the east coast of Canada