



PATIENT: Number 862
 SEX: Male
 AGE: 44

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.4	< 7.0	
Antimony (Sb)	0.012	< 0.066	
Arsenic (As)	0.030	< 0.080	
Barium (Ba)	0.31	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.004	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.08	< 0.80	
Mercury (Hg)	2.1	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.006	< 0.060	
Nickel (Ni)	0.11	< 0.20	
Silver (Ag)	0.14	< 0.08	
Tin (Sn)	0.05	< 0.30	
Titanium (Ti)	0.26	< 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)	304	200- 750	
Magnesium (Mg)	44	25- 75	
Sodium (Na)	17	20- 180	
Potassium (K)	10	9- 80	
Copper (Cu)	18	11- 30	
Zinc (Zn)	190	130- 200	
Manganese (Mn)	0.16	0.08- 0.50	
Chromium (Cr)	0.33	0.40- 0.70	
Vanadium (V)	0.038	0.018- 0.065	
Molybdenum (Mo)	0.021	0.025- 0.060	
Boron (B)	0.81	0.40- 3.0	
Iodine (I)	0.43	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	177	150- 220	
Selenium (Se)	0.74	0.70- 1.2	
Strontium (Sr)	1.3	0.30- 3.5	
Sulfur (S)	46200	44000- 50000	
Cobalt (Co)	0.003	0.004- 0.020	
Iron (Fe)	7.5	7.0- 16	
Germanium (Ge)	0.030	0.030- 0.040	
Rubidium (Rb)	0.012	0.011- 0.12	
Zirconium (Zr)	< 0.007	0.020- 0.44	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 09/28/2013		Ca/Mg	6.91
Date Received: 10/05/2013		Ca/P	1.72
Date Completed: 10/08/2013		Na/K	1.7
Methodology: ICP/MS		Zn/Cu	10.6
Sample Size: 0.198 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Moogoo Milk			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 862

1. What are your current symptoms and health history?

Current symptoms – fatigue, recurrent sinus infections, facial neuralgia, very poor short term memory, lack of planning, low motivation, low mood, difficult and un-refreshing sleep, bruxism, detached retina, bloating, digestive problems, muscle weakness, adrenal crashes.

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

First amalgam when I was 7-8 years old. I had 12 amalgams by the age of 16, some with large surfaces. Four impacted wisdom teeth removed at 16, then braces on three teeth for crossbite.

Amalgams all removed at age 21-22 using rubber dam only and brief detoxification with Vitamin C and selenium for two weeks.

First root canal 2005 (age 35) on upper right bicuspid tooth. Dentist recommended the use of “Biocallex” instead of gutta percha as root filling material. Another root canal placed in molar behind the first root canal.

Neuralgia on the left hand side of my mouth led the dentist to believe I needed 5 root canals on that side. Two lower left molars and two upper left molars and bicuspid.

Root canals did not fix the pain and in some ways made it worse. Some root canal teeth began to fail. Had apicectomy on the upper left bicuspid. Still wouldn't heal and became infected then removed.

Others have been sore and had cracks or had polyps attached to their roots which extended up into my maxillary sinuses. Most, 5 out of 7 root treated teeth have been removed.

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

Still have two root treated teeth in place. Not sure what to do as if I lose the upper left back molar which is root treated I cannot wear a plate which is more secure and will have to live with an acrylic denture which will move up and down as I chew.

Teeth that remain have a mixture of composite filling materials. I've lost track!

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

Mother had several amalgams.

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

Vaccinations – tetanus, measles, mumps, rubella, typhus, polio, tuberculosis

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

Multivitamin, magnesium, zinc, Vitamin C, Vitamin E.

7. What is your age, height and weight?

43 years old. 184 cm (6 feet ½ inch) tall. 92 kilograms (202 pounds) weight.

8. Other information you feel may be relevant?
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent).

Brisbane, Australia.