



PATIENT: Number 876
 SEX: Female
 AGE: 61

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.0	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.033	< 0.060	
Barium (Ba)	1.3	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.014	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.09	< 0.60	
Mercury (Hg)	0.80	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.023	< 0.060	
Nickel (Ni)	0.11	< 0.30	
Silver (Ag)	0.14	< 0.15	
Tin (Sn)	0.05	< 0.30	
Titanium (Ti)	0.40	< 0.70	
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)	1040	300- 1200	
Magnesium (Mg)	43	35- 120	
Sodium (Na)	11	20- 250	
Potassium (K)	7	8- 75	
Copper (Cu)	18	11- 37	
Zinc (Zn)	160	140- 220	
Manganese (Mn)	0.12	0.08- 0.60	
Chromium (Cr)	0.32	0.40- 0.65	
Vanadium (V)	0.018	0.018- 0.065	
Molybdenum (Mo)	0.015	0.020- 0.050	
Boron (B)	0.56	0.25- 1.5	
Iodine (I)	0.43	0.25- 1.8	
Lithium (Li)	0.010	0.007- 0.020	
Phosphorus (P)	147	150- 220	
Selenium (Se)	0.57	0.55- 1.1	
Strontium (Sr)	2.8	0.50- 7.6	
Sulfur (S)	47200	44000- 50000	
Cobalt (Co)	0.027	0.005- 0.040	
Iron (Fe)	8.6	7.0- 16	
Germanium (Ge)	0.039	0.030- 0.040	
Rubidium (Rb)	0.007	0.007- 0.096	
Zirconium (Zr)	0.036	0.020- 0.42	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 07/22/2013	Sample Size: 0.196 g	Ca/Mg	24.2	4- 30
Date Received: 09/16/2013	Sample Type: Head	Ca/P	7.07	1- 12
Date Completed: 09/18/2013	Hair Color: Brown	Na/K	1.57	0.5- 10
Methodology: ICP/MS	Treatment: Bleach, Dye	Zn/Cu	8.89	4- 20
	Shampoo: Organic	Zn/Cd	> 999	> 800

Health history for hair test 876

1. What are your current symptoms and health history?

Currently, health is good, but susceptible to occasional chest colds with coughing a symptom. No serious illness in the past. Whooping cough as a child.

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

Two wisdom teeth removed at age 29, two remain in place. No other extractions. First root canal placed at age 39; second root canal at age 58. No braces. First amalgam placed in early teens; last amalgam placed at about age 35. Amalgams replaced since then by white fillings, the last four replaced at age 60 (in October 2012) by a mercury-free dentist.

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

Two root canals - one of which is done with a nickel implant, the other with stainless steel. Various white fillings (composite and ceramic). No amalgam fillings remain.

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)?

One flu shot age 59 (in 2011). Vaccinations as a child: smallpox, polio, diphtheria. Vaccinations as an adult: tetanus (at age 21), cholera (at age 21).

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

None.

7. What is your age, height and weight?

Gender: female. Age: 61 years. Height: 160cms (5 foot 3 inches). Weight: 56.8 kilos (125 pounds, 8 stone 13 lbs)

8. Other information you feel may be relevant?

Diet is currently almost entirely organic foods.

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

Edmonton, Alberta, Canada (drinking water is fluoridated)