



PATIENT: Number 674
 SEX: Female
 AGE: 59

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	5.1	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.039	< 0.060	
Barium (Ba)	0.86	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.009	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.10	< 0.60	
Mercury (Hg)	1.6	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.044	< 0.060	
Nickel (Ni)	0.12	< 0.30	
Silver (Ag)	0.03	< 0.15	
Tin (Sn)	0.04	< 0.30	
Titanium (Ti)	0.26	< 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)	1050	300- 1200			
Magnesium (Mg)	84	35- 120			
Sodium (Na)	27	20- 250			
Potassium (K)	8	8- 75			
Copper (Cu)	11	11- 37			
Zinc (Zn)	210	140- 220			
Manganese (Mn)	0.10	0.08- 0.60			
Chromium (Cr)	0.41	0.40- 0.65			
Vanadium (V)	0.035	0.018- 0.065			
Molybdenum (Mo)	0.029	0.020- 0.050			
Boron (B)	0.41	0.25- 1.5			
Iodine (I)	16	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	158	150- 220			
Selenium (Se)	1.3	0.55- 1.1			
Strontium (Sr)	2.8	0.50- 7.6			
Sulfur (S)	46100	44000- 50000			
Cobalt (Co)	0.010	0.005- 0.040			
Iron (Fe)	7.2	7.0- 16			
Germanium (Ge)	0.027	0.030- 0.040			
Rubidium (Rb)	0.008	0.007- 0.096			
Zirconium (Zr)	0.028	0.020- 0.42			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 8/3/2012	Sample Size: 0.199 g	Ca/Mg	12.5	4- 30
Date Received: 8/6/2012	Sample Type: Head	Ca/P	6.65	1- 12
Date Completed: 8/8/2012	Hair Color: Brown	Na/K	3.38	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	19.1	4- 20
	Shampoo: Original	Zn/Cd	> 999	> 800

1. What are your current symptoms and health history?

Brain fog, Fatigue, Gastric Discomfort (IBS?), Chemical sensitivities, Allergies, Food Sensitivities, Sinusitis, Post nasal drip, Hypothyroid, Higher cholesterol, Glaucoma, Osteoporosis, Tinnitus.

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

Had 5 amalgam fillings from 7-9 years old. Removed correctly by September, 2011

Had braces as a child

Wisdom teeth not removed.

Have one root canal (1997)

Two implants

One crown

Treated for gingivitis in 2007-8

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

5 composite fillings.

1 Root canal

Two implants

Crowns

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

My mother has amalgams.

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

Standard vaccinations as a child of the fifties

Extra Shots for extensive travel in Africa and India as a child and young adult

Flu shots from 2000-2009

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

NTH, Multivitamins, Mg, anti-oxidants.

7. What is your age, height and weight?

59 years, 5' 1", 110lbs

8. Other information you feel may be relevant?

Had malaria, dysentery and diphtheria as a child.

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

Northern and Central Coast, California, USA