



PATIENT: Number 602
 SEX: Female
 AGE: 53

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)		1.1	< 7.0	
Antimony (Sb)		0.010	< 0.050	
Arsenic (As)		0.064	< 0.060	
Barium (Ba)		0.27	< 2.0	
Beryllium (Be)		< 0.01	< 0.020	
Bismuth (Bi)		0.006	< 2.0	
Cadmium (Cd)		0.023	< 0.050	
Lead (Pb)		0.27	< 0.60	
Mercury (Hg)		0.33	< 0.80	
Platinum (Pt)		< 0.003	< 0.005	
Thallium (Tl)		< 0.001	< 0.002	
Thorium (Th)		< 0.001	< 0.002	
Uranium (U)		0.009	< 0.060	
Nickel (Ni)		0.08	< 0.30	
Silver (Ag)		0.05	< 0.15	
Tin (Sn)		0.14	< 0.30	
Titanium (Ti)		0.31	< 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)		210	35- 120		
Sodium (Na)		390	20- 250		
Potassium (K)		73	8- 75		
Copper (Cu)		14	11- 37		
Zinc (Zn)		180	140- 220		
Manganese (Mn)		0.19	0.08- 0.60		
Chromium (Cr)		0.40	0.40- 0.65		
Vanadium (V)		0.012	0.018- 0.065		
Molybdenum (Mo)		0.048	0.020- 0.050		
Boron (B)		4.9	0.25- 1.5		
Iodine (I)		0.39	0.25- 1.8		
Lithium (Li)		0.79	0.007- 0.020		
Phosphorus (P)		154	150- 220		
Selenium (Se)		1.1	0.55- 1.1		
Strontium (Sr)		11	0.50- 7.6		
Sulfur (S)		47700	44000- 50000		
Cobalt (Co)		0.005	0.005- 0.040		
Iron (Fe)		7.1	7.0- 16		
Germanium (Ge)		0.034	0.030- 0.040		
Rubidium (Rb)		0.070	0.007- 0.096		
Zirconium (Zr)		0.024	0.020- 0.42		

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 3/13/2012	Sample Size: 0.201 g	Ca/Mg	4.95
Date Received: 3/17/2012	Sample Type: Head	Ca/P	6.75
Date Completed: 3/20/2012	Hair Color: Brown	Na/K	5.34
Methodology: ICP/MS	Treatment:	Zn/Cu	12.9
	Shampoo: Avalon Organic	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 602

1) What are your current symptoms and health history?

--hemolytic anemia, low thyroid

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam

etc...)

--wisdom teeth removed at age 20, braces for 2 years in jr. high, Amalgams placed from age 6 to 13, removed between 2005 and 2008, two removed safely, two unsafely.

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

--5 composite fillings

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

--she had pretty bad teeth.

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

--lots of shots before age 2 as we travelled extensively, boosters since then. Last shot 2008.

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

--prednisone starting Feb 2011, synthroid starting April 2010, pepsid starting Feb 2011

--lots and lots of supplements starting July 2011, including recently one with lithium in it, a glutathione cream, NAC, one with ALA in it...

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

--Beaufort NC USA