



PATIENT: Number 838
 SEX: Male
 AGE: 43

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	4.8	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.048	< 0.080	
Barium (Ba)	0.40	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.017	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.07	< 0.80	
Mercury (Hg)	0.04	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.020	< 0.060	
Nickel (Ni)	0.02	< 0.20	
Silver (Ag)	0.01	< 0.08	
Tin (Sn)	0.05	< 0.30	
Titanium (Ti)	0.22	< 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)	602	200- 750			
Magnesium (Mg)	59	25- 75			
Sodium (Na)	36	20- 180			
Potassium (K)	20	9- 80			
Copper (Cu)	12	11- 30			
Zinc (Zn)	170	130- 200			
Manganese (Mn)	0.06	0.08- 0.50			
Chromium (Cr)	0.31	0.40- 0.70			
Vanadium (V)	0.017	0.018- 0.065			
Molybdenum (Mo)	0.026	0.025- 0.060			
Boron (B)	0.61	0.40- 3.0			
Iodine (I)	0.69	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	166	150- 220			
Selenium (Se)	0.66	0.70- 1.2			
Strontium (Sr)	1.5	0.30- 3.5			
Sulfur (S)	48100	44000- 50000			
Cobalt (Co)	0.008	0.004- 0.020			
Iron (Fe)	4.9	7.0- 16			
Germanium (Ge)	0.029	0.030- 0.040			
Rubidium (Rb)	0.039	0.011- 0.12			
Zirconium (Zr)	0.035	0.020- 0.44			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 06/24/2013	Sample Size: 0.197 g	Ca/Mg	10.2
Date Received: 07/05/2013	Sample Type: Head	Ca/P	3.63
Date Completed: 07/07/2013	Hair Color: Brown	Na/K	1.8
Methodology: ICP/MS	Treatment:	Zn/Cu	14.2
	Shampoo: Surface	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 838

1) What are your current symptoms and health history?

acidity. belch and have gas after every meal and all the time

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

wisdom teeth gone. no root canal, no braces. many amalgams in 3rd grade until 7th grad. then a few more in my late 30's.

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

all composite fillings now. all amalgams removed in late 30's(three visits and removed them all) - 6 molars. used dam and suction but did nothing else.

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

my mom had some amalgam fillings before pregnancy and during

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

had some shots when child but do not know any detail at all. got a booster shot of something and another shot for my travel to India in 1993 - do not remember detail

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

nothing taken, except maybe some Udi's oil

7) Other information you feel may be relevant?

In High School, threw out old fluorescent light bulbs into dumpster at my work and they exploded. I did this 10-20 times.

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

Farmington Hills, MI, USA