



PATIENT: Number 651
 SEX: Male
 AGE: 46

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	5.4	< 7.0	
Antimony (Sb)	0.011	< 0.066	
Arsenic (As)	0.067	< 0.080	
Barium (Ba)	0.23	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.002	< 2.0	
Cadmium (Cd)	0.029	< 0.065	
Lead (Pb)	0.30	< 0.80	
Mercury (Hg)	0.22	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.066	< 0.060	
Nickel (Ni)	0.06	< 0.20	
Silver (Ag)	0.06	< 0.08	
Tin (Sn)	0.17	< 0.30	
Titanium (Ti)	0.25	< 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)	356	200- 750			
Magnesium (Mg)	18	25- 75			
Sodium (Na)	16	20- 180			
Potassium (K)	5	9- 80			
Copper (Cu)	26	11- 30			
Zinc (Zn)	160	130- 200			
Manganese (Mn)	0.17	0.08- 0.50			
Chromium (Cr)	0.45	0.40- 0.70			
Vanadium (V)	0.047	0.018- 0.065			
Molybdenum (Mo)	0.023	0.025- 0.060			
Boron (B)	0.45	0.40- 3.0			
Iodine (I)	1.2	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	159	150- 220			
Selenium (Se)	0.89	0.70- 1.2			
Strontium (Sr)	1.9	0.30- 3.5			
Sulfur (S)	47800	44000- 50000			
Cobalt (Co)	0.005	0.004- 0.020			
Iron (Fe)	6.4	7.0- 16			
Germanium (Ge)	0.031	0.030- 0.040			
Rubidium (Rb)	0.004	0.011- 0.12			
Zirconium (Zr)	0.008	0.020- 0.44			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected:	Sample Size: 0.195 g	Ca/Mg	19.8	4- 30
Date Received: 8/30/2012	Sample Type: Head	Ca/P	2.24	0.8- 8
Date Completed: 9/1/2012	Hair Color:	Na/K	3.2	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	6.15	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 651

1. -What are your current symptoms and health history? Spots on my skin and dark urine. Blood tests show liver issues.
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) Several fillings and one root canal with a ceramic post. Amalgam fillings removed 5 years ago.
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? All the metal is gone from my mouth now. Three ceramic crowns
4. What dentistry did your mother have at any time before or during pregnancy? She has amalgam fillings before I was born.
5. What vaccinations have you had and when (including flu and especially travel shots)? none
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? Just adding high quality trace minerals to my RO water.
7. What is your age, height and weight? 46, 5'7", 165lbs
8. Other information you feel may be relevant? Naturopathic doctor's testing agrees with hair analysis and blood work.
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent). Dallas Texas