



PATIENT: Number 769  
 SEX: Male  
 AGE: 41

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	0.9	< 12	
Antimony (Sb)	0.013	< 0.080	
Arsenic (As)	0.012	< 0.12	
Barium (Ba)	1.1	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.013	< 2.0	
Cadmium (Cd)	0.016	< 0.065	
Lead (Pb)	0.71	< 1.5	
Mercury (Hg)	0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.011	< 0.060	
Nickel (Ni)	0.15	< 0.40	
Silver (Ag)	0.01	< 0.10	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.40	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>		
Calcium (Ca)	858	375- 1100			
Magnesium (Mg)	220	40- 140			
Sodium (Na)	46	60- 400			
Potassium (K)	11	28- 160			
Copper (Cu)	31	11- 32			
Zinc (Zn)	300	120- 200			
Manganese (Mn)	0.18	0.15- 0.65			
Chromium (Cr)	0.33	0.40- 0.70			
Vanadium (V)	0.020	0.018- 0.065			
Molybdenum (Mo)	0.046	0.040- 0.080			
Boron (B)	0.64	0.40- 2.5			
Iodine (I)	3.0	0.25- 1.8			
Lithium (Li)	0.020	0.008- 0.030			
Phosphorus (P)	240	200- 300			
Selenium (Se)	0.70	0.80- 1.3			
Strontium (Sr)	3.4	1.0- 6.0			
Sulfur (S)	48500	41000- 47000			
Cobalt (Co)	0.052	0.006- 0.035			
Iron (Fe)	5.7	7.0- 16			
Germanium (Ge)	0.022	0.030- 0.040			
Rubidium (Rb)	0.006	0.030- 0.25			
Zirconium (Zr)	0.034	0.040- 1.0			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 04/20/2013	Sample Size: 0.197 g	Ca/Mg	3.9	4- 30
Date Received: 04/29/2013	Sample Type: Pubic	Ca/P	3.58	0.8- 8
Date Completed: 04/30/2013	Hair Color: Brown	Na/K	4.18	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	9.68	4- 20
	Shampoo: Castile Soap	Zn/Cd	> 999	> 800

## Health history for hair test 769

1. Current health. I have dysautonomia, mitral valve prolapse, low weight, Fatigue, lots of food allergies. Anhydrosis, Tiredness after Showering, Joint pain, acid reflux, infrequent tachycardia, anxiety
2. All four wisdom teeth removed 1990. Had first amalgams around 10 years old. Had braces during my teen years. I had a total of 8 amalgams.
3. Over a month ago I had the last four amalgams removed under safe conditions. I have not started any chelation.
4. I do not know my mother's dental history during pregnancy.
5. I had a TDAP shot in 2007, It made me very ill.
6. For over a month I have been taking the following supplements every day.  
3.5 grams of Vitamin C  
90 mg Zinc  
510 mg Magnesium  
1200IU Vitamin E
7. Age: 41  
Height: 5 foot 11 inches  
Weight: 115lbs
8. Lots of mouth sensitivities to alcohol, toothpaste, unfiltered water and sugar. I had a heavy metal blood test and it did show some arsenic and lead.
9. Central Missouri United States.