



PATIENT: Number 652  
 SEX: Male  
 AGE: 34

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	14	< 12	
Antimony (Sb)	0.033	< 0.080	
Arsenic (As)	0.11	< 0.12	
Barium (Ba)	0.53	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.040	< 2.0	
Cadmium (Cd)	0.009	< 0.065	
Lead (Pb)	0.49	< 1.5	
Mercury (Hg)	0.60	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.076	< 0.060	
Nickel (Ni)	0.16	< 0.40	
Silver (Ag)	0.02	< 0.10	
Tin (Sn)	0.16	< 0.30	
Titanium (Ti)	0.29	< 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)	682	375- 1100			
Magnesium (Mg)	75	40- 140			
Sodium (Na)	1100	60- 400			
Potassium (K)	490	28- 160			
Copper (Cu)	17	11- 32			
Zinc (Zn)	170	120- 200			
Manganese (Mn)	0.09	0.15- 0.65			
Chromium (Cr)	0.39	0.40- 0.70			
Vanadium (V)	0.057	0.018- 0.065			
Molybdenum (Mo)	0.074	0.040- 0.080			
Boron (B)	3.2	0.40- 2.5			
Iodine (I)	1.1	0.25- 1.8			
Lithium (Li)	0.012	0.008- 0.030			
Phosphorus (P)	179	200- 300			
Selenium (Se)	1.2	0.80- 1.3			
Strontium (Sr)	5.5	1.0- 6.0			
Sulfur (S)	40900	41000- 47000			
Cobalt (Co)	0.004	0.006- 0.035			
Iron (Fe)	6.6	7.0- 16			
Germanium (Ge)	0.022	0.030- 0.040			
Rubidium (Rb)	0.35	0.030- 0.25			
Zirconium (Zr)	1.8	0.040- 1.0			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 8/12/2012	Sample Size: 0.198 g	Ca/Mg	9.09	4- 30
Date Received: 8/17/2012	Sample Type: Pubic	Ca/P	3.81	0.8- 8
Date Completed: 8/18/2012	Hair Color:	Na/K	2.24	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	10	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

## Health history for hair test 652

1. **What are your current symptoms and health history? ---**  
Depression, Shyness, Fatigue, Adrenal issues
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** Root canal done at 19 years or & removed at 34. 6 amalgams placed at 19 removed at 34
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** I have 6 amalgams in
4. **What dentistry did your mother have at any time before or during pregnancy?** I don't know
5. **What vaccinations have you had and when (including flu and especially travel shots)?** School & college entrance. Chicken pox, Hep B
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** Zinc 30mg, Magnesium, selenium 200, fish oil 1000, vit c 1500mg
7. **What is your age, height and weight?** 34-185 lbs-5'9"
8. **Other information you feel may be relevant?**
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** Tampa FL