



PATIENT: Number 550  
 SEX: Male  
 AGE: 36

### Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	7.4	< 12	
Antimony (Sb)	0.058	< 0.080	
Arsenic (As)	0.17	< 0.12	
Barium (Ba)	0.69	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.015	< 2.0	
Cadmium (Cd)	0.035	< 0.065	
Lead (Pb)	2.2	< 1.5	
Mercury (Hg)	0.59	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.030	< 0.060	
Nickel (Ni)	0.39	< 0.40	
Silver (Ag)	0.59	< 0.10	
Tin (Sn)	0.11	< 0.30	
Titanium (Ti)	0.42	< 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)	958	375- 1100			
Magnesium (Mg)	350	40- 140			
Sodium (Na)	260	60- 400			
Potassium (K)	25	28- 160			
Copper (Cu)	14	11- 32			
Zinc (Zn)	180	120- 200			
Manganese (Mn)	0.16	0.15- 0.65			
Chromium (Cr)	0.42	0.40- 0.70			
Vanadium (V)	0.034	0.018- 0.065			
Molybdenum (Mo)	0.056	0.040- 0.080			
Boron (B)	1.6	0.40- 2.5			
Iodine (I)	0.59	0.25- 1.8			
Lithium (Li)	0.036	0.008- 0.030			
Phosphorus (P)	231	200- 300			
Selenium (Se)	48	0.80- 1.3			
Strontium (Sr)	6.1	1.0- 6.0			
Sulfur (S)	45500	41000- 47000			
Cobalt (Co)	0.011	0.006- 0.035			
Iron (Fe)	7.5	7.0- 16			
Germanium (Ge)	0.023	0.030- 0.040			
Rubidium (Rb)	0.029	0.030- 0.25			
Zirconium (Zr)	0.12	0.040- 1.0			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 10/12/2011		Ca/Mg	2.74
Date Received: 10/26/2011		Ca/P	4.15
Date Completed: 10/27/2011		Na/K	10.4
Methodology: ICP/MS		Zn/Cu	12.9
Sample Size: 0.196 g	Sample Type: Pubic	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo:			
		<b>RANGE</b>	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

## Health history for hair test 550

1. What are your current symptoms and health history? No symptoms. Overweight but otherwise good health.
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) Wisdom teeth removed at 18. 2 root canals at 22. Also a few fillings. No additional dental work done in the last 11 years.
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? Two root canals have metal posts in them. No dental clean ups have been done as of yet.
4. What dentistry did your mother have at any time before or during pregnancy? Not sure.
5. What vaccinations have you had and when (including flu and especially travel shots)? No vaccines in 10+ years. Plenty of vaccines from military service from 18-23yrs old.
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? Multi-vitamins, pre-workout drinks, whey protein, etc.
7. What is your age, height and weight? 36, 66" tall, 225lbs.
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). Kin Town, Okinawa, Japan