



PATIENT: Number 565  
 SEX: Female  
 AGE: 39

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	0.7	< 7.0	
Antimony (Sb)	0.010	< 0.050	
Arsenic (As)	0.039	< 0.060	
Barium (Ba)	0.21	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.040	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.05	< 0.60	
Mercury (Hg)	0.42	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.001	< 0.060	
Nickel (Ni)	0.30	< 0.30	
Silver (Ag)	0.01	< 0.15	
Tin (Sn)	0.08	< 0.30	
Titanium (Ti)	0.41	< 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)	351	300- 1200			
Magnesium (Mg)	48	35- 120			
Sodium (Na)	40	20- 250			
Potassium (K)	44	8- 75			
Copper (Cu)	25	11- 37			
Zinc (Zn)	170	140- 220			
Manganese (Mn)	0.06	0.08- 0.60			
Chromium (Cr)	0.40	0.40- 0.65			
Vanadium (V)	0.010	0.018- 0.065			
Molybdenum (Mo)	0.038	0.020- 0.050			
Boron (B)	0.76	0.25- 1.5			
Iodine (I)	0.30	0.25- 1.8			
Lithium (Li)	0.004	0.007- 0.020			
Phosphorus (P)	191	150- 220			
Selenium (Se)	0.94	0.55- 1.1			
Strontium (Sr)	0.52	0.50- 7.6			
Sulfur (S)	47800	44000- 50000			
Cobalt (Co)	0.047	0.005- 0.040			
Iron (Fe)	5.7	7.0- 16			
Germanium (Ge)	0.029	0.030- 0.040			
Rubidium (Rb)	0.054	0.007- 0.096			
Zirconium (Zr)	0.16	0.020- 0.42			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 11/26/2011	Sample Size: 0.199 g	Ca/Mg	7.31	4- 30
Date Received: 12/1/2011	Sample Type: Head	Ca/P	1.84	1- 12
Date Completed: 12/3/2011	Hair Color: Brown	Na/K	0.909	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	6.8	4- 20
	Shampoo: Natures Gate	Zn/Cd	> 999	> 800

## Health history for hair test 565

My current symptoms consist of: dizziness, low blood pressure, fibromyalgia, internal tremors, difficulty swallowing, chronic fatigue, yeast syndrome (systemic), low vit D, I have been anemic in the past and continues to be on the low end, dry skin and mouth, skin cysts. I have had bladder issues my whole life..infections and in the past few years chronic inflammation (cystitis?)

First filling probably in high school...not sure about root canal..college? I had braces or some device in my mouth from the time I was 8 until 16. I had 5 mercury fillings replaced in the beginning of October 2011 and 2 crowns (no mercury) in November. I have 4 root canals still in place.

I am adopted...not sure about mother. Since environment is important, my dad (although not biological) has Parkinson's.

I had all of the required vaccinations when I was young and have had maybe 2 flu shots in the past.

Supplements: Vitamin C-Avg 4,000 mg a day, Vitamin B Complex 1x a day, Magnesium, Taurine, Gota Kola , Biotin, Vinpocetine, digestive enzymes, probiotics, Vit A 25,000 IU, Vit E, Vit D, CoQ10, DHEA 25-50mg daily, Glandular Extracts, Milk Thistle 2-3x daily, Chromium Picolinate with meals, Taurine, Zinc, Potassium, GABA (occasionally), flax oil, Armour Thyroid 30mg daily

\*\*\*If there isn't a dosage..I'm still trying to figure it out and it hasn't been consistent on a daily basis

I live on Long Island in New York