



PATIENT: Number 547  
 SEX: Male  
 AGE: 29

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	0.7	< 12	
Antimony (Sb)	0.044	< 0.080	
Arsenic (As)	0.081	< 0.12	
Barium (Ba)	0.60	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.022	< 2.0	
Cadmium (Cd)	0.017	< 0.065	
Lead (Pb)	0.12	< 1.5	
Mercury (Hg)	0.20	< 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)	0.08	< 0.40	
Silver (Ag)	< 0.006	< 0.10	
Tin (Sn)	0.07	< 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)	1120	375- 1100	
Magnesium (Mg)	99	40- 140	
Sodium (Na)	390	60- 400	
Potassium (K)	43	28- 160	
Copper (Cu)	8.5	11- 32	
Zinc (Zn)	190	120- 200	
Manganese (Mn)	0.20	0.15- 0.65	
Chromium (Cr)	0.42	0.40- 0.70	
Vanadium (V)	0.026	0.018- 0.065	
Molybdenum (Mo)	0.048	0.040- 0.080	
Boron (B)	6.1	0.40- 2.5	
Iodine (I)	0.18	0.25- 1.8	
Lithium (Li)	0.033	0.008- 0.030	
Phosphorus (P)	223	200- 300	
Selenium (Se)	1.4	0.80- 1.3	
Strontium (Sr)	4.1	1.0- 6.0	
Sulfur (S)	47400	41000- 47000	
Cobalt (Co)	0.008	0.006- 0.035	
Iron (Fe)	8.5	7.0- 16	
Germanium (Ge)	0.027	0.030- 0.040	
Rubidium (Rb)	0.030	0.030- 0.25	
Zirconium (Zr)	0.36	0.040- 1.0	

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 10/23/2011	Sample Size: 0.199 g	Ca/Mg	11.3	4- 30
Date Received: 10/26/2011	Sample Type: Pubic	Ca/P	5.02	0.8- 8
Date Completed: 10/28/2011	Hair Color: Brown	Na/K	9.07	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	22.4	4- 20
	Shampoo: Dr Bronners	Zn/Cd	> 999	> 800

## **Health history for hair test 547**

1) What are your current symptoms and health history?

Waking up 3-4 times a night with urge to urinate. Dry skin. Cold hands and feet a lot. Poor Concentration. Even after 8 hours of sleep (with before said multiple wakings), I get tires very early during the evening where I start dozing off). Now when I lift heavy weight (month after amalgam removal, I feel an intense head pressure and have to stop).

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)

I'm currently 29. At 18, had 7 amalgams put in, at 20, had all 4 wisdom teeth pulled, from ages 22-24, had one or two more amalgams placed. One amalgam was replace with having a root canal done, packed with gutta percha, a white composite build, and ceramic crown. Had another amalgame replaced with white composite. From 24-28, I had one more crown, one replacing a failed white composite, the crown had a 69% nickel topping (for structural strength due to weakened tooth structure.) At 29, had all amalgams replaced, with another ceramic crown put in totaling 3 crowns, one root canal and the rest white composites.

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

It is now October 28th, In from July 26th to August 26th, I've had all amalgams replaced by a holistic dentist using strict protocols. I'm now 3 months post amalgam removal. I haven't started any chelation yet, not even dmsa.

4) What dentistry did your mother have at any time before or during pregnancy? My mom did have amalgams in place since she was young, same with my dad.

5) What vaccinations have you had and when (including flu and especially travel shots)?

At 18-19, I have my tetanus and hepatitis shots.

6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.

I take per day, Vit C 1Gr, Vit D 400iu, Magnesium Gluconace, Oxide, Aspartate 200-300mg, Calcium Citrite 500mg, Zinc - 35mg (At night I take Now's Calcium Citrate that includes most of the before mentioned supplements).

7) Other information you feel may be relevant?

My hair test was from the pubic hair at the pelvic region, even taking hair up to the naval. I shaved it 2 months prior, and my samples were from that growth.

I run three days a week, 5 miles average, and used to run four or so for many years since I was 17 years old.

8) What is your location - city & country (so that we can learn where certain toxins are more prevalent). Dickinson, North Dakota