



PATIENT: Number 683
 SEX: Male
 AGE: 37

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	33	< 7.0	
Antimony (Sb)	0.096	< 0.066	
Arsenic (As)	0.094	< 0.080	
Barium (Ba)	1.6	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.047	< 2.0	
Cadmium (Cd)	0.053	< 0.065	
Lead (Pb)	14	< 0.80	
Mercury (Hg)	0.66	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	0.007	< 0.002	
Uranium (U)	0.009	< 0.060	
Nickel (Ni)	0.24	< 0.20	
Silver (Ag)	0.10	< 0.08	
Tin (Sn)	0.64	< 0.30	
Titanium (Ti)	1.1	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th		
Calcium (Ca)	307	200- 750			
Magnesium (Mg)	53	25- 75			
Sodium (Na)	13	20- 180			
Potassium (K)	12	9- 80			
Copper (Cu)	13	11- 30			
Zinc (Zn)	170	130- 200			
Manganese (Mn)	1.7	0.08- 0.50			
Chromium (Cr)	0.70	0.40- 0.70			
Vanadium (V)	0.12	0.018- 0.065			
Molybdenum (Mo)	0.043	0.025- 0.060			
Boron (B)	1.2	0.40- 3.0			
Iodine (I)	0.50	0.25- 1.8			
Lithium (Li)	0.049	0.007- 0.020			
Phosphorus (P)	183	150- 220			
Selenium (Se)	20	0.70- 1.2			
Strontium (Sr)	0.74	0.30- 3.5			
Sulfur (S)	46700	44000- 50000			
Cobalt (Co)	0.032	0.004- 0.020			
Iron (Fe)	65	7.0- 16			
Germanium (Ge)	0.036	0.030- 0.040			
Rubidium (Rb)	0.047	0.011- 0.12			
Zirconium (Zr)	2.8	0.020- 0.44			

SPECIMEN DATA		RATIOS	
COMMENTS: results checked		ELEMENTS	RATIOS
Date Collected: 10/12/2012	Sample Size: 0.198 g	Ca/Mg	5.79
Date Received: 10/23/2012	Sample Type: Head	Ca/P	1.68
Date Completed: 10/27/2012	Hair Color: Brown	Na/K	1.08
Methodology: ICP/MS	Treatment:	Zn/Cu	13.1
	Shampoo: Wen Conditioner	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 683

What are your current symptoms and health history?

Depression (with tremors, not sure if that's related to antidepressants)
OCD like symptoms, self-professed "crazy brain" that is relieved by submerging himself in activities
Insomnia, difficulty regulating sleep cycle
Very shy; doesn't like large functions
History of heart palpitations
Bags under eyes
Procrastination
Time pressure
Moodiness
Night terrors, past and present
History of repeated strep infections

2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

Mouth full of "preventative" amalgams when he was a young child (less than 5 or around then, maybe?) I can't get him to count the fillings for me.

I think his wisdom teeth were removed too but I'm not sure if they were impacted or not.

Yes to braces.

No to root canals (I think)

3. What dental work do you currently have in place? What part of the dental clean-up have you completed?

Continues to have all the amalgams in. He currently has a lot of time pressure going on and I don't think he's looked into the holistic dentist link I sent him.

4. What dentistry did your mother have at any time before or during pregnancy?

Our Mom had a quadrant full of amalgams, which were pretty big too, plus a couple more biggies in other molars before pregnancy.

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

All the vaccines and probably routine ones - he is big into Western Med; recently he was treated preventatively for Lyme disease even though he might not have had it. He's had A LOT of antibiotics.

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

He hasn't gotten back to me yet, but I think he's still doing his whey protein shakes and those body builder bars/protein drinks. He is very frugal, so he doesn't get the good quality stuff, he buys in bulk. He will have that instead of eating. He also eats cheese with every meal and snack.

He's on antidepressants. Used to be on Zoloft, but I think he's on Celexa now. Not sure the dosage. He likes to have a couple drinks per day - he's cut back since the drinking causes more night terrors.

7. What is your age, height and weight?

37 years old; 5'11"; 175lbs

8. Other information you feel may be relevant?

He is renovating a few houses right now - so I'm not sure if his lead exposure is coming from those or from his protein shakes or from moving into his wife's house, which is kinda an old house anyway.

He might have allergies too or maybe he just reacts to the thiol foods.

His shampoo contains Behentrimonium Methosulfate and I'm not sure if this is causing his selenium to be high. If it is then I don't think he meets the counting rules, although everything about his chart says "suspicious" to me, and, of course that his persona is that of a highly Hg toxic person.

9. What is your location – city & country (so that we can learn where certain toxins are more prevalent).

Latham, NY