

PATIENT: Number 644 SEX: Female AGE: 32

Toxic & Essential Elements; Hair

		RESULT	REFERENCE	PERCENTILE 68 th 95 th		
		μg/g	INTERVAL	6	8 ^m 9	5 th
Aluminum	(AI)	1.7	< 7.0			
Antimony	(Sb)	< 0.01	< 0.050			
Arsenic	(As)	0.15	< 0.060			
Barium	(Ba)	0.20	< 2.0	-		
Beryllium	(Be)	< 0.01	< 0.020			
Bismuth	(Bi)	0.28	< 2.0			
Cadmium	(Cd)	0.010	< 0.050	•		
Lead	(Pb)	0.19	< 0.60			
Mercury	(Hg)	0.75	< 0.80			
Platinum	(Pt)	< 0.003	< 0.005			
Thallium	(TI)	< 0.001	< 0.002			
Thorium	(Th)	< 0.001	< 0.002			
Uranium	(U)	0.006	< 0.060	-		
Nickel	(Ni)	0.11	< 0.30			
Silver	(Ag)	0.04	< 0.15			
Tin	(Sn)	0.10	< 0.30			
Titanium	(Ti)	0.24	< 0.70			
Total Toxic Representation						
		ESSENTIAL AND O	THER ELEMENTS			
		RESULT µg/g	REFERENCE INTERVAL	2.5 th 16 th	PERCENTILE	84 th 97.5 th
Calcium	(Ca)	309	300- 1200			
Magnesium	(Ma)	20	35- 120			
Sodium	(Na)	23	20- 250			
Potassium	(K)	4	8- 75			
Copper	(Cu)	9.7	11- 37			
Zinc	(Zn)	200	140- 220			
Manganese	(Mn)	0.14	0.08- 0.60	-		
Chromium	(Cr)	0.48	0.40- 0.65	-	-	
Vanadium	(V)	0.074	0.018- 0.065			
	(Mo)	0.044	0.020- 0.050			•••••••••••••••••••••••••••••••••••••••
Molybdenum Boron	(B)	1.2	0.25- 1.5			••••
		2.1				
lodine Lithium	(I) (Li)	< 0.004				
		178	0.007-0.020		•	
Phosphorus Selenium	(P) (So)		<u>150- 220</u> 0.55- 1.1			
Selenium Strantium	(Se)	0.66				•••••••••••••••••••••••••••••••••••••••
Strontium	(Sr)	0.49	0.50- 7.6			
Sulfur	(S)	47500	44000- 50000			
Cobalt	(Co) (Fo)	0.004	0.005- 0.040			
Iron	(Fe)	8.2	7.0- 16			·····
Germanium	(Ge)	0.023	0.030- 0.040			·····
Rubidium	(Rb)	0.006	0.007-0.096			
Zirconium	(Zr)	0.053	0.020- 0.42			
	SPECIMEN	DATA			RATIOS	
COMMENTS:				ELEMENTS	RATIOS	RANGE
				Ca/Mg	15.5	4- 30
Date Collected: 7/23/2012	S	ample Size: 0.202 g	r	Ca/P	1.74	1- 12
Date Received: 7/26/2012		ample Type: Head		Na/K	5.75	0.5- 10
Date Completed: 7/27/2012		air Color: Blond		Zn/Cu	20.6	4- 20
Methodology: ICP/MS		reatment:		Zn/Cd	> 999	> 800
		hampoo: Dr Mercol	a			

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LAIDIN 10

Toxic & Essential Elements; Hair

		TOXIC M					
		RESULT µg/g	REFERENCE		68 th 95 th		
Aluminum	(AI)	1.0	<	-			
Antimony	(Sb)	< 0.01		0.050		-	f
Arsenic	(As)	0.067	<	0.060) PS/P	YPC +I
Barium	(Ba)	0.23	<		2	- + All	LINONE
Beryllium	(Be)	< 0.01	<	0.020		+ Ba	- Colm
Bismuth	(Bi)	0.006	<	2.0	•	+ 116	shiumor
Cadmium	(Cd)	< 0.009	<	0.050		(D)	
Lead	(Pb)	0.09	<		-	Unce	-110hium
Mercury	(Hg)	0.04	<		-	11	021210
Platinum	(Pt)	< 0.003	1	0.005		+B13	en Bas
Thallium	(TI)	< 0.001		0.002	0	ralty s	DURE
Thorium	(Th)	< 0.001		0.002		molyp/	hydroxy
Uranium	(U)	0.005		0.060	-	A	hearsh
Nickel	(Ni)	0.02	1	0.30	• •		<u>()</u>
Silver	(Ag)	< 0.006	<			S) Mach	A Mater
Tin	(Sn)	0.04	<				AIR
Titanium	(Ti)	0.15	<	0.70			14730
Total Toxic Representation							
		ESSENTIAL AND O			The second	-	
		RESULT µg/g	REFERI		2.5 th 16 ^t	PERCENTILE	84 th 97.5 th
Calcium	(Ca)	165	300-	1200			
Magnesium	(Mg)	120	35-	120			
Sodium	(Na)	210	20-	250			•
Potassium	(K)	23	8 -	75		•	e sura
Copper	(Cu)	8.1	11-	37	C		Dala la
Zinc	(Zn)	200	140-	220			hight
Manganese	(Mn)	0.19	0.08-	0.60		•	at 1,
Chromium	(Cr)	0.43	0.40-	0.65			12/
Vanadium	(V)	0.070	0.018-				
Molybdenum	(Mo)	0.17	0.020-	0.050			
Boron	(B)	0.47	0.25-	1.5		-	
lodine	(1)	0.74	0.25-	1.8		- +	Allinon
Lithium	(Li)	< 0.004	0.007-			+	Bacaln
Phosphorus	(P)	182	150-	220		• + 1	-1thium
Selenium	(Se)	0.65	0.55-	1.1			orates
Strontium All 10000	(Sr)	0.19	0.50-	7.6			
Sulfur	(S)	48600	44000-				
Cobalt	(Co)	0.004	0.005-	0.040			
ron	(Fe)	6.3	7.0-	16	_		
Germanium	(Ge)	0.022	0.030-		C	0 7	rztaple
Rubidium	(Rb)	0.030	0.007-	0.096			
Zirconium	(Zr)	< 0.007	0.020-	0.42			
	SPECIMEN	DATA				RATIOS	-
COMMENTS:					ELEMENTS	RATIOS	RANGE
a there are an					Ca/Mg	1.38	4- 30
Date Collected: 10/04/2013	- 5	Sample Size: 0.202	Ŧ		Ca/P	0.907	1- 12
Date Received: 10/08/2013		Sample Type: Head			Na/K	9.13	0.5- 10
Date Completed: 10/10/2013		Hair Color: Brown			Zn/Cu	24.7	4-20
Methodology: ICP/MS		Treatment:			Zn/Cd	> 999	> 800~
		Shampoo: Avalon			and the second sec		

Mapson + A1290

Health history for hair test 644

1) What are your current symptoms and health history?

5 1/2 years ago I came down with a sudden, mono-like viral illness. I never recovered. Symptoms and their intensity have gone up and down at various points, I guess as I've 'pushed and crashed' along the way. Western medicine, as well as alternative therapies, have not given any lasting relief. Most recently, over the last year and a half, I adopted The Body Ecology Diet (similar to GAPS), and that has given me significant relief. Unfortunately, diet alone took me to a point of wasting away and getting even more sick, further making me realize there had to be more to the puzzle than candidiasis and abstaining from further toxins and non-organic foods.

My greatest symptoms that remain, are intense fatigue, as well as neurological/cognitive symptoms (brain fog). I have really bad chemical sensitivity, to the point that I don't really go out anymore. 5 minutes in a store will do me in for hours, an hour at a friends house (with scented products in their home), will have me in bed for a day and a half. Food sensitivities are also really bad. There are only a few vegetables, and plain, whole foods I am able to eat without much reaction. No seasoning, spices, sweet vegetables, sulfur foods, etc.

I also get the 'usual' symptoms, nasal inflammation/drowsiness, blurred vision, dizzy upon standing, anger/irritability, depression, insomnia when having a reaction, etc.

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

My wisdom teeth were removed in high school (mid-90's), and I had braces and headgear prior to that. I had a permanent retainer put in after the braces were removed, and just had that removed last month. I had noticed significant lessening in my symptoms within 24 hours of having the retainer removed (stainless steel). I really only had 2 amalgams that I know of, but I have only recently realized they may be prime suspects in the onset of my illness. About 7 months prior to my getting sick, I noticed one of the fillings was missing (a pencil tip type plug on the side of one of my molars). I had it replaced with a white composite filling, and I believe the other one was also replaced at this time as well (if not, in the year prior). Neither were replaced safely, by a biological dentist, or practicing safe removal procedure.

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

I currently have no amalgams or dental work in place. The fillings I do have are all of white, composite material.

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

My mother had a lot of her fillings replaced (amalgams for amalgams), when she was pregnant with my brother. My brother is 27 months older than myself, and has no real health issues. My mother still has a full mouth of amalgams, also with no real health issues.

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

I am not entirely sure of my vaccination history, but I do know I have had the ubiquitous series of birth and age appropriate vaccinations recommended throughout my childhood (I'm 32). I've also had at least one or two flu-shots, one I believe, was the spray, administered nasally. I also believe I had the yellow fever vaccination, when I was planning a trip to Africa (the trip never took place).

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

Nothing really substantial taken as far as supplementation goes. A lot of probiotics, various Body Ecology enzymes and minerals, taken sporadically.

7) Other information you feel may be relevant?

Nothing beyond what I've mentioned so far, that I can think of...

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

Wausau, Wisconsin, USA, but the onset of my getting sick, and for the first four years of it, I was living in Las Vegas, Nevada.