HAIR ELEMENTS



PATIENT: Number 305 SEX: Female

AGE: 2

DCCTOR'S DATA MC AGE: 2 LOCATION; South-central Alaska												
	LU											
			ALLY TOXIC I	ELEMENTS								
TOXIC	RESULT	REFERENCE		4	PERCENTI							
ELEMENTS	μg/g	RANGE		68 ^{ti}		95 th						
Aluminum	44	< 8.0										
Antimony	2.5	< 0.066										
Arsenic	2.5	< 0.080										
Barium	1.6	< 0.75										
Beryllium	< 0.01	< 0.020										
Bismuth	0.031	< 2.0	•									
Cadmium	6.1	< 0.070										
Lead	17	< 1.0										
Mercury	0.19	< 0.40										
Platinum	0.016	< 0.005										
Thallium	< 0.001	< 0.002										
Thorium	0.004	< 0.002										
Uranium	0.006	< 0.060	-									
Nickel	0.54	< 0.30										
Silver	0.51	< 0.20										
Tin	0.92	< 0.30										
Titanium	1.6	< 0.90				••••••						
Total Toxic Represe												
		ESSENTIAL			2							
					AND OTHER ELEMENTS PERCENTILE							
	RESULT	REFERENCE	2.5 th	16 th			4 th 97.5 th					
ELEMENTS	μg/g	RANGE	2.5	10	50	84	4 97.5					
Calcium	142	140- 500										
Magnesium	27	15- 45										
Sodium	47	18- 180										
Potassium	40	10- 150										
Copper	14	11- 24										
Zinc	69	100- 190										
Manganese	2.7	0.10- 0.50										
Chromium	1.5	0.43- 0.70										
Vanadium	0.24	0.030- 0.10										
Molybdenum	0.16	0.050- 0.13										
Boron	1.5	0.40- 3.5										
Iodine	9.1	0.25- 1.3										
Lithium	0.044	0.007- 0.020										
Phosphorus	159	150- 220										
Selenium	0.81	0.70- 1.1										
Strontium	0.41	0.19- 2.0										
Sulfur	46200	45500- 53000										
Cobalt	0.054	0.005- 0.030										
Iron	78	7.0- 16										
Germanium	0.031	0.030- 0.040										
Rubidium	0.082	0.012- 0.16			_							
Zirconium	0.43	0.030- 1.0				-						
		PECIMEN DATA				RATIOS						
COMMENTS: 119							EXPECTED					
Date Collected: 7		Sample Size:	0.195 g		ELEMENTS	RATIOS	RANGE					
Date Received: 8		Sample Size.		·	Ca/Mg	5 26	4- 30					
TATE RECEIVED. 8	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sample Lyne'	пеао		U.a/ 1V19	7 7 0	I I JU					

Date Received: 8/3/2009 Sample Type: Ca/Mg 5.26 4- 30 Head 1- 12 Date Completed: 8/7/2009 Hair Color: Blond Ca/P 0.893 0.5- 10 **Client Reference:** Treatment: Na/K 1.18 4- 20 Methodology: Shampoo: Zn/Cu 4.93 ICP-MS V010.08 Zn/Cd 11.3 > 800

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PATIENT: Number 305 Follow up test SEX: Female AGE: 5

Toxic & Essential Elements; Hair

TOXIC METALS									
		RESULT μg/g	REFERENCE INTERVAL	6	PERCENTILE 8 th 9	5 th			
Aluminum	(AI)	17	< 8.0						
Antimony	(Sb)	0.038	< 0.066						
Arsenic	(As)	0.14	< 0.080						
Barium (Ba)		0.42	< 0.75						
Beryllium (Be)		< 0.01	< 0.020						
Bismuth	(Bi)	0.19	< 2.0	-					
Cadmium	(Cd)	0.22	< 0.070						
Lead	(Pb)	0.61	< 1.0						
Mercury	(Hg)	1.5	< 0.40						
Platinum	(Pt)	< 0.003	< 0.005						
Thallium	(TI)	< 0.001	< 0.002						
Thorium	(Th)	0.001	< 0.002	•					
Uranium	(U)	0.002	< 0.060	•					
Nickel	(Ni)	0.09	< 0.30						
Silver	(Ag)	0.10	< 0.20						
Tin	(Sn)	0.19	< 0.30						
Titanium	(Ti)	0.55	< 0.90						
Total Toxic Representation	,	0.00							
ESSENTIAL AND OTHER ELEMENTS									
					PERCENTILE				
		RESULT μg/g	REFERENCE INTERVAL	2.5 th 16 th		84 th 97.5 th			
Calcium	(Ca)	159	140- 500						
Magnesium	(Ma)	100	15- 45						
Sodium	(Na)	41	18- 180		-				
Potassium	(K)	20	10- 150						
Copper	(Cu)	9.6	11- 24						
Zinc	(Zn)	190	100- 190			-			
Manganese	(Mn)	0.75	0.10- 0.50						
Chromium	(Cr)	0.43	0.43- 0.70						
Vanadium	(V)	0.082	0.030- 0.10						
Molybdenum	(Mo)	0.048	0.050- 0.13	-					
Boron	(B)	0.69	0.40- 3.5	-	-				
lodine	(I)	0.40	0.25- 1.3		-				
Lithium	(Li)	0.013	0.007- 0.020						
Phosphorus	(P)	158	150- 220						
Selenium	(Se)	0.56	0.70- 1.1						
Strontium	(Sr)	0.30	0.19- 2.0						
Sulfur	(S)	48100	45500- 53000		•				
Cobalt	(Co)	0.017	0.005- 0.030						
Iron	(Fe)	28	7.0- 16						
Germanium	(Ge)	0.030	0.030- 0.040						
Rubidium	(Rb)	0.029	0.012- 0.16	-					
Zirconium	(Zr)	0.90	0.030- 1.0						
			0.030- 1.0						
	SPECIMEN	DATA			RATIOS				
COMMENTS:				ELEMENTS	RATIOS	RANGE			
	Ca/Mg	1.59	4- 30						
Date Collected: 8/12/2012	Ca/P	1.01	1- 12						
Date Received: 8/17/2012		Na/K	2.05	0.5-10					
Date Completed: 8/19/2012 Hair Color: Blond				Zn/Cu	19.8	4- 20			
Methodology: ICP/MS		reatment:		Zn/Cd	864	> 800			
Shampoo: Dawn Dishsoap									

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Health history for hair test 305 -First test

1) What are your current symptoms and health history? This test is for my just turned 2 yo daughter. She was born with multiple food and chemical sensitivities. She is prone to eczema and rashes, GI problems, poor dental enamel, and in the past suffered obvious malabsorption. She is still 80% breastfed. We are grain, dairy and soy free.

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

etc...) She has crumbling front top teeth. No interventions except for brushing and fluoride treatments (recently stopped). I however have 8 amalgams from my childhood. I am 38 years old.

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

completed? I do not plan to have my amalgams replaced until I'm done childbearing/nursing.

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

5) What vaccinations have you had and when (including flu and especially travel shots)? I was normally vaxed in the 70s. My child is completely unvaxed.
6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6

months before the sample was taken. Taslyn was taking zinc, D3, K2, DHA, several homeopathic cell salts, probiotics. I have been using a slew of vitamins and minerals, plus things like methionine, glutathione, NAC and high dose probiotics. I used ALA for a time until I was better informed.

7) Other information you feel may be relevant? I am unsure of how much metal I was exposed to while working parttime in a pottery studio for several years. We drink water from a hand dug spring and are testing the water extensively this week.

Firearms and ammunition are centerpieces in our lifestyle. My husband is a pilot, flying small aircraft which still use leaded gas. We are testing my husbands hair this week. I, however, am breastfeeding, so can't test at this time.

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

prevalent). I've been in off road/off grid in southcentral Alaska since 1991. I grew up on ranchland in southcentral Montana.