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Date of Collection: 25-Nov-2013 Sample Received: 28-Nov-2013 Reported Date: 05-Dec-2013 Sample Type: Scalp hair

Hair Element Analysis

Accession #: 400134

Provider:

Patient:

Gender : F

Date of Birth : Age: 21

Essential	Results	Reference	Percentile							
Elements	ug/g	Range ug/g	2.5	16	50	84	97.5			
Calcium	770	300 - 1,700								
Magnesium	110	26 - 140						N		
Sodium	83	2.5 - 43				-		1		
Potassium	1.4	1.3 - 21								
Copper	18	11 - 36						(
Zinc	210	150 - 230								
Manganese	0.094	0.073 - 0.49						1		
Chromium	< 0.015	0.035 - 0.14		And in case of the local division of the loc				*		
Vanadium	0.0030	0.0035 - 0.022								
Molybdenum	0.035	0.019 - 0.040						1		
Boron	0.19	0.12 - 1.0								
Silicon	390	270 - 470								
Lithium	0.0020	0.0016 - 0.011								
Phosphorus	170	120 - 190								
Selenium	1.2	0.72 - 1.6								
Strontium	2.6	0.73 - 4.8								
Sulphur	51,000	43,000 - 53,000								
Barium	0.71	0.31 - 2.3								
Cobalt	0.013	0.0037 - 0.032						(
Iron	9.5	9.6 - 18								
Germanium	< 0.0020	0.0025 - 0.0064		Statistics of Statist				*(
Rubidium	0.0020	0.0020 - 0.022						1		
Zirconium	0.052	0.080 - 1.1								
			Abnormal Be	ow	Average	Ab	ove Abnorm	al		

* Result lies below detection limit (DL is at left end of bar)

NOTE: Our interpretation follows the system developed by Andrew Hall Cutler PhD, which requires consideration of the overall distribution pattern for essential elements as a first step in the interpretation of the results. If the essential element distribution pattern is statistically normal, then both toxic and essential element results can usually be taken at face value. If the essential elements results exhibit a statistically improbable distribution pattern, this suggests heavy metal toxicity or some other interfering process. The interpretation comments starting on page 3 state whether the essential element graph above fits a statistically normal or statistically unlikely distribution pattern.

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Toxic	Results	Reference Range ug/g	Percentile						
Elements	ug/g		6.7	31	69	93	99.4		
Aluminum	3.7	<11						AI	
Antimony	< 0.0080	<0.13	Statements and statements					*St	
Arsenic	0.043	<0.28						As	
Bismuth	0.0030	<1.2						Bi	
Gallium	0.0020	< 0.012						Ga	
Cadmium	0.0040	<0.066						Cd	
Lead	0.15	<1.1						Pb	
Mercury	< 0.010	<1.1						*Hg	
Nickel	< 0.15	<0.72		and the second division of the second divisio				*N	
Tin	< 0.050	<1.1						*Sr	
Titanium	0.52	<2.3						Ti	
Tungsten	< 0.010	<0.010	and the second se		Contraction of the local division of the loc			*W	
Uranium	0.14	<0.14						U	
Silver	< 0.15	<1.0						*Ag	
Beryllium	< 0.0070	<0.0055	C. CAPTLIN, MILLING	States and states and states	NAME OF TAXABLE PARTY.	COLUMN TWO IS NOT		*Be	
Cesium	< 0.00050	< 0.0018	and the second division of the second divisio	and the second division of the				*C:	
Gadolinium	< 0.0010	< 0.0030	the second second second	and the second data in the secon				*G	
Indium	< 0.00030	< 0.00040	and the second division of the second divisio		And in case of the local division of the loc			*In	
Platinum	< 0.0040	< 0.0051	the state of the s		and the second data in the local data in the loc			*P	
Tellurium	< 0.0060	<0.0060	and the second division of the second divisio	and the second division of the second divisio	And in case of the local distance			*Te	
Thallium	< 0.00010	<0.0050						*T	
Thorium	< 0.0030	<0.0060					Very	*TI	

* Result lies below detection limit (DL is at right end of bar)

-	Results	Reference	Percentile						
Ratios				2,5	16	50	84	97.5	
Se/Hg	120	1.5 - 12					Statements and and		S
Ca/P	4.6	2.0 - 12							
Ca/Na	9.3	11 - 460							C
Ca/Mg	7.2	6.7 - 18							C
Ca/K	540	26 - 950							
Ca/Pb	5,300	840 - 9,500							C
Ca/Fe	81	24 - 110							
Zn/Hg	21,000	350 - 1,700					And in case of the local division of the loc	Contract of the local division of the local	Z
Zn/Cd	52,000	5,300 - 46,000							Z
Zn/Cu	12	5.0 - 16							Z
Fe/Cu	0.53	0.31 - 1.3							F
Fe/Hg	950	19 - 130							F
Na/K	58	1.0 - 4.7							
Na/Mg	0.77	0.028 - 0.98							N
Fe/Pb	66	27 - 160							F

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- 1. What are your current symptoms and health history?
- -Extreme fatigue, weakness -Dizziness -Insomnia -Sensitivity to noises, sensitivity to cold -Cold hands and feet -Some eye floaters
- 2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

Never had any amalgam fillings. Wisdom teeth removed a few months ago (this was after I was already very sick). Trauma a few years ago resulted in the loss of four maxillary incisors. Two implants were placed but these both failed. I have had two bone grafts in the area as well. I have never had any root canals. I had braces when I was about 14.

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

I have a temporary bridge on the upper anterior. I also have a small lingual wire on my lower anterior teeth to hold them in position after my orthodontics were completed.

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

None.

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

I have received most of the recommended vaccines. All except HPV and the last dose of Hep B. I have never had a flu shot.

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

Calcium, magnesium, potassium, zinc occasionally, multivitamin, b-complex, vit C, vit D, Cod Liver Oil.

- 7. What is your age, height and weight?
- 21 years old, 5'7", 135 pounds.
- 8. Other information you feel may be relevant?

I worked as a dental assistant part-time for almost 2 years.

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

Calgary, Alberta, Canada