HAIR ELEMENTS



PATIENT: Number 529

SEX: Male AGE: 34

		POTENTIA	ALLY TOXIC ELEMENTS					
TOXIC	RESULT	REFERENCE	PERCENTILE					
ELEMENTS	μg/g	RANGE	68	th	95 th			
Aluminum	2.0	< 7.0						
Antimony	0.010	< 0.066	•					
Arsenic	0.032	< 0.080						
Barium	0.64	< 1.0						
Beryllium	< 0.01	< 0.020						
Bismuth	0.019	< 2.0	•					
Cadmium	0.076	< 0.065		•				
Lead	0.09	< 0.80	_					
Mercury	0.80	< 0.80						
Platinum	< 0.003	< 0.005						
Thallium	< 0.001	< 0.002						
Thorium	< 0.001	< 0.002						
Uranium	0.047	< 0.060		_				
Nickel	0.14	< 0.20						
Silver	0.04	< 0.08						
Tin	0.06	< 0.30						
Titanium	0.40	< 0.60						
Total Toxic Representa	ation							
		ESSENTIAL	. AND OTHER ELEMENT	s				
	RESULT	REFERENCE		PERCENTI	_E			
ELEMENTS	μg/g	RANGE	2.5 th 16 th	50 th		4 th 97.5 th		
Calcium	1050	200- 750						
Magnesium	91	25- 75				-		
Sodium	21	20- 180		·····				
Potassium	8	9- 80						
Copper	20	11- 30						
Zinc	360	130- 200						
Manganese	0.15	0.08- 0.50		•				
Chromium	0.49	0.40- 0.70						
Vanadium	0.027	0.018- 0.065						
Molybdenum	0.037	0.025- 0.060						
Boron	0.26	0.40- 3.0						
Iodine	0.27	0.25- 1.8						
Lithium	< 0.004	0.007- 0.020						
Phosphorus	172	150- 220						
Selenium	1.6	0.70- 1.2						
Strontium	2.3	0.30- 3.5						
Sulfur	49700	44000- 50000						
Cobalt	0.007	0.004- 0.020		•				
Iron	7.2	7.0- 16						
Germanium	0.045	0.030- 0.040						
Rubidium	0.010	0.011- 0.12						
Zirconium	0.026	0.020- 0.44						
		PECIMEN DATA			RATIOS			
COMMENTS:		LOIMLN DATA			KATIOS	EXPECTED		
	/28/2000	Comple Cize	0.205 a	ELEMENTS	RATIOS	RANGE		
	/28/2009	Sample Size:	0.205 g					
Date Received: 12/4/2009		Sample Type:	Head	Ca/Mg	11.5	4- 30 0.8- 8		
Date Completed: 12/9/2009		Hair Color:		Ca/P	6.1			
Client Reference:		Treatment:		Na/K	2.63	0.5- 10		
Methodology: ICI	P-MS	Shampoo:	Natures Gate	Zn/Cu	18	4- 20		
			V010.08	Zn/Cd	> 999	> 800		

HAIR ELEMENTS



PATIENT: Number 529

SEX: Male AGE: 35

		POTENTIA	ALLY TOXIC E	LEMENTS			
TOXIC	RESULT	REFERENCE			PERCENTI	LE	
ELEMENTS	μg/g	RANGE		68	th	95 th	
Aluminum	1.8	< 7.0					
Antimony	0.020	< 0.066	_				
Arsenic	0.042	< 0.080					
Barium	0.80	< 1.0					
Beryllium	< 0.01	< 0.020			••••••		
Bismuth	0.013	< 2.0	•		••••••		
Cadmium	0.027	< 0.065			-		
Lead	0.09	< 0.80	_				***
Mercury	0.21	< 0.80	—				****
Platinum	< 0.003	< 0.005					
Thallium	< 0.001	< 0.002					****
Thorium	< 0.001	< 0.002			••••••		
Uranium	0.031	< 0.060					
Nickel	0.07	< 0.20					
Silver	0.04	< 0.08					
Tin	0.05	< 0.30	_				
Titanium	0.34	< 0.60					
Total Toxic Represen		•					
		ESSENTIAL	AND OTHER	FLEMENT	'S		
	RESULT	REFERENCE			PERCENTI	F	
ELEMENTS		RANGE	2.5 th	16 th	50 th		4 th 97.5 th
Calcium	μg/g 1050	200- 750	2.5	10	30	0.	7 37.5
	100	25- 75					
Magnesium Sodium	54	20- 180					
Potassium	13	9- 80					
	11	11- 30					
Copper Zinc	290	130- 200					
Manganese	0.06	0.08- 0.50					
Chromium	0.39	0.40- 0.70					
Vanadium	0.020	0.018- 0.065					
Molybdenum	0.020	0.025- 0.060					
Boron	0.66	0.40- 3.0					
Iodine	0.58	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	183	150- 220					
Selenium	1.1	0.70- 1.2					
Strontium	2.3	0.30- 3.5					
Sulfur	48200	44000- 50000					
Cobalt	0.004	0.004- 0.020					
Iron	13	7.0- 16					
Germanium	0.029	0.030- 0.040					
Rubidium		0.011- 0.12					
	0.012	0.020- 0.44					
Zirconium	0.041						
	SI	PECIMEN DATA				RATIOS	
COMMENTS:							EXPECTED
Date Collected:		Sample Size:	0.197 g		ELEMENTS	RATIOS	RANGE
	2/8/2010	Sample Type:	Head		Ca/Mg	10.5	4- 30
Date Completed: 12	2/10/2010	Hair Color:			Ca/P	5.74	0.8- 8
Client Reference:		Treatment:			Na/K	4.15	0.5- 10
							4 00
Methodology: IC	CP-MS	Shampoo:			Zn/Cu Zn/Cd	26.4	4- 20 > 800

Health history for hair test 529

What are your current symptoms and health history?

1989 - Undiagnosible arthritis condition begins and is managed without medication.

1995 - Began developing a sensitivity to deoderants which results in redness and itching.

2006/2008 - Tiredness symptom begins.

2009 July - Diagnosed with Celiac disease / Immediately went on 100% Gluten Free Diet

2009 Oct - Muscle weakness symptom begins

2009 Dec - Follow up intestinal biopsy shows near 100% recovery from Celiac, yet muscle weakness and tiredness remain and continue to get progressively worse. Arthritis continues as well.

2010/2011 Dark circles under my eyes have developed.

I also have mild allergies to mold, dust, cats, ragweed.... this goes back to at least the late 80's/early 90's.

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

One wisdom tooth removed May 2011. Three wisdom teeth remain. No root canals. I had braces for a few years near maybe 1989. First Amalgam placed in 1984.

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

All 8 amalgams were removed May 2011. All thats left is composite fillings that replaced them. No other dental work exists.

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

before: approximately 8-9 amalgams placed at least 10 years before pregnancy.

during: no more than 1 amalgam filling, possibly none.

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

Only standard vaccinations required as a child in the USA for someone born in the mid 70's. No flu shots. No other vaccinations. I also had approximately 1-2 years of weekly allergy shots, most likely in the 1990's.

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

Nov 2009 Test: Took Entocort EC for 7 weeks prior (taken for Celiac)

Dec 2010 Test: No supplements prior.

What is your age, height and weight?

35 years old. Height 5 ft 5 inches. Weight 120 lbs.

Other information you feel may be relevant?

Nov 2009 Test was from ends of lower back of head hair.

Dec 2010 Test was from ends of side and front head hair.

I completed 7-day water fast June 2010 followed by a reduced meat/more vegetable diet.

Eliminated all seafood consumption July 2010.

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

Detroit, USA