#### HAIR ELEMENTS



**PATIENT: Number 187** 

SEX: Male AGE: 50

LOCATION: Mpls. ,Minnesota, USA

	LO	CATION: Mpls. ,Minne			-		
POTENTIALLY TOXIC ELEMENTS							
TOXIC	RESULT	REFERENCE			PERCENTI		
ELEMENTS	μg/g	RANGE		6	8 <sup>th</sup>	95 <sup>th</sup>	
Aluminum	1.3	< 7.0		)			
Antimony	< 0.01	< 0.066	<u> </u>				
Arsenic	0.069	< 0.080					
Beryllium	< 0.01	< 0.020	<u> </u>				
Bismuth	0.009	< 2.0	•				
Cadmium	0.015	< 0.15	•				
Lead	0.15	< 2.0	-				
Mercury	5.8	< 1.1					
Platinum	< 0.003	< 0.005					
Thallium	< 0.001	< 0.010					
Thorium	< 0.001	< 0.005					
Uranium	0.002	< 0.060	•		_		
Nickel	0.06	< 0.40			_		
Silver	0.01	< 0.12	•				
Tin	0.20	< 0.30					
Titanium	0.43	< 1.0					
Total Toxic Representation							
				OTHER ELEMEN	TS		
	RESULT	REFERENCE			PERCENTI	F	
ELEMENTS		RANGE	2.5 <sup>t</sup>	th 16 <sup>th</sup>	50 <sup>th</sup>		4 <sup>th</sup> 97.5 <sup>th</sup>
Calcium	μg/g 210	200- 750	2.5	10	30	0.	+ 91.5
Magnesium	16	25- 75	·······				••••••
		12- 90	·······				
Sodium Potassium	210 120	9- 40	······				
	17	10- 28	·······				
Copper		130- 200					
Zinc	170	0.15- 0.65					
Manganese	0.04	0.20- 0.40					
Chromium Vanadium	0.42	0.018- 0.065	······				
	0.050	0.025- 0.064	······				·····
Molybdenum	0.029	0.40- 3.0					
Boron	1.1	0.25- 1.3					
Iodine	0.37	0.25- 1.3					
Lithium	< 0.004	160- 250					
Phosphorus	162	0.95- 1.7	ļ				······
Selenium	1.0	0.30- 3.5	ļ				
Strontium	0.67		ļ	<u></u>			
Sulfur	42600	44500- 52000	ļ				
Barium	0.07	0.16- 1.6					
Cobalt	< 0.002	0.013- 0.035					
Iron	8.9	5.4- 13					
Germanium	0.030	0.045- 0.065					
Rubidium	0.099	0.011- 0.12					
Zirconium	0.40	0.020- 0.44					
SPECIMEN DATA						RATIOS	
COMMENTS:							EXPECTED
Date Collected: 6/	15/2007	Sample Size:	0.199 g		ELEMENTS	RATIOS	RANGE
Date Received: 6/			He	ad	Ca/Mg	13.1	4- 30
Date Completed: 6/22/2007		Hair Color:		own	Ca/P	1.3	0.8- 8
*		Treatment:			Na/K	1.75	0.5- 10
Methodology: ICP-MS Shampo			He	ad Shoulders	Zn/Cu	10	4- 20
	-	~P~~·		V06.99	Zn/Cd	> 999	> 800
						- 000	

1) What are your current symptoms and health history? Chronic low back pain, degenerative disc disease, lower cerebral function, shoulder pain, poor memory, slight tremors,

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

All wisdom teeth have been removed in 1993
No root Canals
Wore braces from age 12-14
Got first amalgam in early childhood. 13 in total. They were all removed by Dr. Bill Wolfe, Albuquerque N.M. in 1993

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

No dental work in place it is all done. I do wear porcelain veneers.

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

Don't know.

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

Only typical vaccines that were given to kids of my generation

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

Chlorella Glucosamine

#### 7) Other information you feel may be relevant?

Received allergy shots for two years as a child.

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

Born in Chicago area until age 18. Have moved a lot Albq.,New Mexico 23 years Guatemala 5 years Madison, Wisconsin 4 years Mpls.,Minnesota 1 year