## HAIR ELEMENTS



PATIENT: Number 191 SEX: Female AGE: 44

		POTENTIA		C ELEMENTS			
TOXIC	RESULT	REFERENCE	PERCENTILE				
ELEMENTS	μg/g	RANGE		68	<sup>th</sup> 95 <sup>th</sup>		
Aluminum	3.2	< 7.0					
Antimony	0.063	< 0.050			-		
Arsenic	0.041	< 0.060					
Beryllium	< 0.01	< 0.020					
Bismuth	0.11	< 2.0	•				
Cadmium	0.061	< 0.10					
Lead	0.59	< 1.0					
Mercury	0.26	< 1.1					
Platinum	< 0.003	< 0.005					
Thallium	< 0.001	< 0.010					
Thorium	< 0.001	< 0.005					
Uranium	0.006	< 0.060	-				
Nickel	0.27	< 0.40					
Silver	1.8	< 0.15					
Tin	0.36	< 0.30					
Titanium	0.36	< 1.0					
Total Toxic Represent	otal Toxic Representation				1		
	AND OTH	IER ELEMENT	S				
	RESULT	REFERENCE			PERCENTI	LE	
ELEMENTS	μg/g	RANGE	2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>		4 <sup>th</sup> 97.5 <sup>th</sup>
Calcium	942	300- 1200					
Magnesium	61	35- 120					•••••••
Sodium	36	12- 90			-		••••••
Potassium	21	8- 38				•	••••••
Copper	12	12- 35					••••••
Zinc	160	140- 220					••••••
Manganese	0.26	0.15- 0.65					••••••
Chromium	0.71	0.20- 0.40					
Vanadium	0.052	0.018- 0.065					••••••
Molybdenum	0.046	0.028- 0.056					
Boron	2.4	0.30- 2.0	••••••				•
Iodine	0.85	0.25- 1.3					
Lithium	< 0.004	0.007- 0.023					
Phosphorus	147	160- 250					
Selenium	0.80	0.95- 1.7					
Strontium	2.3	0.50- 7.6			•		
Sulfur	46900	44500- 52000					
Barium	1.1	0.26- 3.0					
Cobalt	0.013	0.013- 0.050					
Iron	15	5.4- 14			_		
Germanium	0.034	0.045- 0.065	(				
Rubidium	0.018	0.007- 0.096					
Zirconium	0.028	0.020- 0.42					
SPECIMEN DATA						RATIOS	
COMMENTS:	0						EXPECTED
Date Collected: 7/7/2008		Sample Size:	0.199 g		ELEMENTS	RATIOS	RANGE
Date Received: 7/16/2008			Head				4- 30
Date Completed: 7/18/2008		Sample Type:			Ca/Mg	15.4	1- 12
Date Completed: 7/	T9\2008	Hair Color:	Brown		Ca/P No/K	6.41	0.5-10
Mathadalaan -		Treatment:	3 7 -	0	Na/K	1.71	4- 20
Methodology: ICP-MS		Shampoo:	Avalon Organics V06.99		Zn/Cu Zn/Cd	13.3	> 800
		S. 2755 Illinois Avenus St. Ch			•	> 999	- 000

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## Health history hair test 191

1. **current symptoms** - brain fog, depression, digestive problems, muscle weakness, joint pains/dislocations. Dry hair, skin, thin nails... -- this has been going on for years, but the joint pain and

muscle weakness have gotten much worse.

2. Had complete **dental revision** at Huggins clinic in 2003 - had wisdom teeth removed in 92. Braces from '76 through '79 with amalgams in mouth. Had root canals in 80's and 90's - but removed in 2003.

3. Just had to have another root canal in '07 but no mercury. Currently being fitted for bridge and porcelain crown.

4. No idea about my mother's dentistry.

5. Typical vaccinatons for U.S. in '64. Never had travel or flu shots.

6. Been taking p5p and zinc for months, at time of hair test – Vit C, Vit E, probiotics, B's, p5p, zinc, magnesium.

7. Had 2 DMPS injections down my spine (so stupid!) in '03 and '04. Had DMPS IV challenge in '02 and '04.

8. Washington D.C. USA