

HAIR ELEMENTS



PATIENT: Number 539
SEX: Male
AGE: 21

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	4.5	< 12		
Antimony	0.028	< 0.080		
Arsenic	0.091	< 0.12		
Barium	0.61	< 1.5		
Beryllium	< 0.01	< 0.020		
Bismuth	0.024	< 2.0		
Cadmium	0.014	< 0.065		
Lead	0.36	< 1.5		
Mercury	2.2	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.007	< 0.060		
Nickel	0.13	< 0.40		
Silver	0.02	< 0.10		
Tin	0.07	< 0.30		
Titanium	0.56	< 0.70		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS							
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	381	375- 1100					
Magnesium	38	40- 140					
Sodium	200	60- 400					
Potassium	160	28- 160					
Copper	39	11- 32					
Zinc	120	120- 200					
Manganese	0.34	0.15- 0.65					
Chromium	0.51	0.40- 0.70					
Vanadium	0.054	0.018- 0.065					
Molybdenum	0.044	0.040- 0.080					
Boron	2.4	0.40- 2.5					
Iodine	0.22	0.25- 1.8					
Lithium	0.093	0.008- 0.030					
Phosphorus	257	200- 300					
Selenium	85	0.80- 1.3					
Strontium	1.3	1.0- 6.0					
Sulfur	45300	41000- 47000					
Cobalt	0.006	0.006- 0.035					
Iron	7.1	7.0- 16					
Germanium	0.031	0.030- 0.040					
Rubidium	0.19	0.030- 0.25					
Zirconium	0.46	0.040- 1.0					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 3/10/2011	Sample Size: 0.201 g			Ca/Mg	10	4- 30
Date Received: 3/18/2011	Sample Type: Pubic			Ca/P	1.48	0.8- 8
Date Completed: 3/23/2011	Hair Color:			Na/K	1.25	0.5- 10
Client Reference:	Treatment:			Zn/Cu	3.08	4- 20
Methodology: ICP-MS	Shampoo: Selenium			Zn/Cd	> 999	> 800

V010.08

Health History for hair test 539

1) What are your current symptoms and health history?

- **Tired, neuropathy, brain fog, memory loss, fasciculations and tremors, anhedonia, trouble gaining muscle, Non verbal learning disabled, word recall issues, chronic/frequent infections.**

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

- **Wisdom teethe removed, no amalgams ever but lots of composite fillings and sealant.** Had braces, retainer and some extractions.

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

- **Nothing.**

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

Amalgams

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

- **Flu, travel shots for Haiti and all normal childhood vaccines in '89**

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

- **Magnesium, Vit C, Lithium orotate did two rounds of DMSA and methylation protocol (which I reacted badly to, caused neuropathy), multivitamin, vit d Zinc, manganese and B6 etc**

7) Other information you feel may be relevant?

- **test is pubic hair, but taken from the tip instead of the roots so as not to be skewed by dmsa rounds**
- **Did a 24 hour mercury only collection on a 75 mg DMSA and 40 MG ALA rounds with no mercury at all detected.**

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

Northern Virginia , near md.