

HAIR ELEMENTS



PATIENT: Number 431
SEX: Male
AGE: 47
LOCATION: Greenville, NC USA

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	10	< 7.0		
Antimony	0.39	< 0.066		
Arsenic	0.075	< 0.080		
Barium	0.44	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.037	< 2.0		
Cadmium	0.011	< 0.065		
Lead	0.17	< 0.80		
Mercury	0.42	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.004	< 0.060		
Nickel	0.08	< 0.20		
Silver	0.07	< 0.08		
Tin	0.10	< 0.30		
Titanium	0.51	< 0.60		
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
Calcium	256	200- 750				
Magnesium	25	25- 75				
Sodium	450	20- 180				
Potassium	130	9- 80				
Copper	11	11- 30				
Zinc	190	130- 200				
Manganese	0.13	0.08- 0.50				
Chromium	0.48	0.40- 0.70				
Vanadium	0.036	0.018- 0.065				
Molybdenum	0.025	0.025- 0.060				
Boron	0.61	0.40- 3.0				
Iodine	1.1	0.25- 1.8				
Lithium	0.011	0.007- 0.020				
Phosphorus	224	150- 220				
Selenium	0.91	0.70- 1.2				
Strontium	0.44	0.30- 3.5				
Sulfur	49000	44000- 50000				
Cobalt	0.003	0.004- 0.020				
Iron	7.8	7.0- 16				
Germanium	0.028	0.030- 0.040				
Rubidium	0.11	0.011- 0.12				
Zirconium	1.9	0.020- 0.44				

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 11/15/2010	Sample Size: 0.196 g			Ca/Mg	10.2	4- 30
Date Received: 11/26/2010	Sample Type: Head			Ca/P	1.14	0.8- 8
Date Completed: 11/27/2010	Hair Color: Brown			Na/K	3.46	0.5- 10
Client Reference: 1252756	Treatment:			Zn/Cu	17.3	4- 20
Methodology: ICP-MS	Shampoo: Equate Pro Vit			Zn/Cd	> 999	> 800
				V010.08		

Health history for hair test 431

What are your current symptoms and health history?

History: In fairly good health until 2000. Started experiencing daily fatigue. Diagnosed hypothyroid and put on Synthroid. No improvement. Had sleep study in 2002. Diagnosed Idiopathic Hypersomnolence (excessive daytime sleepiness with no known cause). I don't get deep or Delta Wave sleep. My hypothyroid was changed to Hashimoto's Thyroiditis in 2004 which is an autoimmune disorder. Had 2-3 teeth containing amalgams crack in half around 1998-1999. I don't like dentist and never got these fixed until early 2010.

Symptoms: fatigue, short attention/interest span, memory and concentration difficulties, "brain fog", low libido, lack of motivation, procrastination, relationship and social interaction problems

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

Wisdom teeth removed in 1985. Numerous other extractions. Have had several root canals but can't remember dates.

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

I have a crown lower left that needs to be replaced because the material is "Highly Reactive" on my Biocompatibility Report. Had two cracked teeth containing amalgams taken care of in early 2010. One was extracted and the other crowned. Had my seven remaining amalgams removed in November 2010.

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

Not sure.

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

Vaccinations as infant in mid 1960's. Hepatitis B vaccine series completed 1995.

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

Vitamin C (from Huggins Institute): 3000mg/day

Transmix and Eater's Digest (from Huggins Institute): 2 tabs/day

Nature-throid: 2-3 grains/day (for hypothyroid)

What is your age, height and weight?

Male, 47 years old, 240 lbs.

Other information you feel may be relevant?

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

Greenville, NC USA