



PATIENT: Number 657
 SEX: Male
 AGE: 73

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.6	< 7.0	
Antimony (Sb)	0.043	< 0.066	
Arsenic (As)	0.079	< 0.080	
Barium (Ba)	0.99	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.007	< 2.0	
Cadmium (Cd)	0.93	< 0.065	
Lead (Pb)	2.1	< 0.80	
Mercury (Hg)	6.1	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.001	< 0.060	
Nickel (Ni)	0.07	< 0.20	
Silver (Ag)	0.11	< 0.08	
Tin (Sn)	0.10	< 0.30	
Titanium (Ti)	0.30	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th		
Calcium (Ca)	257	200- 750			
Magnesium (Mg)	29	25- 75			
Sodium (Na)	360	20- 180			
Potassium (K)	100	9- 80			
Copper (Cu)	18	11- 30			
Zinc (Zn)	200	130- 200			
Manganese (Mn)	1.3	0.08- 0.50			
Chromium (Cr)	0.50	0.40- 0.70			
Vanadium (V)	0.066	0.018- 0.065			
Molybdenum (Mo)	0.031	0.025- 0.060			
Boron (B)	3.5	0.40- 3.0			
Iodine (I)	0.57	0.25- 1.8			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	151	150- 220			
Selenium (Se)	0.91	0.70- 1.2			
Strontium (Sr)	0.85	0.30- 3.5			
Sulfur (S)	51700	44000- 50000			
Cobalt (Co)	0.008	0.004- 0.020			
Iron (Fe)	8.7	7.0- 16			
Germanium (Ge)	0.025	0.030- 0.040			
Rubidium (Rb)	0.11	0.011- 0.12			
Zirconium (Zr)	0.017	0.020- 0.44			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 9/2/2012	Sample Size: 0.2 g	Ca/Mg	8.86	4- 30
Date Received: 9/6/2012	Sample Type: Head	Ca/P	1.7	0.8- 8
Date Completed: 9/8/2012	Hair Color: Black	Na/K	3.6	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	11.1	4- 20
	Shampoo: Equate	Zn/Cd	215	> 800

Health history for hair test 657

1) What are your current symptoms and health history?

My most pressing symptom is really bad leg pain. It especially bothers me at night. It moves to different parts of my leg; it's not always in the same spot. My daughter is chelating for mercury and heavy metals, and has been very sick, so I wanted to have a hair test done to see if there would be anything similar in our genes, as well as if this may shed some light on my leg pain.

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

I had fillings done as a teenager, in the 1950's. I was also diagnosed with periodontal disease in the 70's, and had my gums cut away.

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

I still have 2 crowns and 2 fillings.

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

My mother got false teeth in her 20's.

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

Flu shot yearly, hepatitis (required in the fire department where I worked), and those shots required while in the Navy in 1957.

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

Simvastatin 80 mg (high cholesterol)

D3 2000 mg

Aspirin 81 mg

Calcium 1200 mg

Fish Oil 2400 mg

Glucosamine 3000 mg

Chondroitin 2400 mg

Multivitamin for men 50+

7) Other information you feel may be relevant?

I exercise 3 days a week, 70 minutes a day. Treadmill at 4.3 mph, 4% incline for 30 minutes. I bike for 10 minutes at a tension of 10. And I lift weights. I also hunt and fish and work on projects around my cabin.

I am 160 pounds.

I brush my teeth 3 times a day, use a water pick once a day with mouthwash, and floss twice daily.

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

Birnamwood, WI, USA