



HAIR TEST: 1160
SEX: Male
AGE: 74

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.5	< 7.0	
Antimony (Sb)	0.032	< 0.066	
Arsenic (As)	0.25	< 0.080	
Barium (Ba)	0.23	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.019	< 2.0	
Cadmium (Cd)	0.17	< 0.065	
Lead (Pb)	1.1	< 0.80	
Mercury (Hg)	0.23	< 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)	0.09	< 0.20	
Silver (Ag)	0.07	< 0.08	
Tin (Sn)	0.10	< 0.30	
Titanium (Ti)	0.37	< 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)	116	200- 750			
Magnesium (Mg)	17	25- 75			
Sodium (Na)	57	20- 180			
Potassium (K)	54	9- 80			
Copper (Cu)	10	11- 30			
Zinc (Zn)	140	130- 200			
Manganese (Mn)	0.16	0.08- 0.50			
Chromium (Cr)	0.49	0.40- 0.70			
Vanadium (V)	0.042	0.018- 0.065			
Molybdenum (Mo)	0.026	0.025- 0.060			
Boron (B)	2.6	0.40- 3.0			
Iodine (I)	1.1	0.25- 1.8			
Lithium (Li)	0.007	0.007- 0.020			
Phosphorus (P)	161	150- 220			
Selenium (Se)	0.59	0.70- 1.2			
Strontium (Sr)	0.15	0.30- 3.5			
Sulfur (S)	47900	44000- 50000			
Cobalt (Co)	0.008	0.004- 0.020			
Iron (Fe)	11	7.0- 16			
Germanium (Ge)	0.031	0.030- 0.040			
Rubidium (Rb)	0.061	0.011- 0.12			
Zirconium (Zr)	0.059	0.020- 0.44			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 12/30/2015		Ca/Mg	6.82
Date Received: 01/04/2016		Ca/P	0.72
Date Completed: 01/06/2016		Na/K	1.06
Methodology: ICP/MS		Zn/Cu	14
Sample Size: 0.204 g	Sample Type: Head	Zn/Cd	824
Hair Color: Gray	Treatment:		
Shampoo:			
		RANGE	
		4 - 30	
		0.8 - 8	
		0.5 - 10	
		4 - 20	
		> 800	

Health history for hair test 1160

1. Current symptoms:

(i) severe muscle degenerate in my arms and shoulders. (1/2 of my right biceps is gone) (ii) extreme fatigue — I only want to sleep and (crawl from nap to nap).

(iii) strong arthritis in 4 fingers (2 on each hand) — cannot pick up a coin or button-up my shirt — without effort. It is slowly getting worse.

(iv) eye problems (macular, glaucoma and cataracts) hopefully have stabilized.

2. (a) Had a mouth full of amalgam in my teens. Had all but one small filling, replaced by porcelain — over the last few years. Has colon cancer 16 years ago. The chief oncologist at Chapel Hill said “the polyp growth in my small intestines was probably caused by the Hg in my teeth disrupting the signals from the brain to my intestines”.

I now have a 5 yearly colonoscopy.

(b) I had my wisdom teeth removed 20 years ago. This caused bacteria to migrate to the nasal cavity and ever since I have much more mucus production. As such I have to clear my nose every morning.

I have had several root canal treatments in the last 20 years and had one tooth extracted last year.

3. I have only (many) porcelain crowns, two bridges, and only 1 small amalgam filling left. (to come out soon)

4. She had a few amalgam filling most of her life, was always in good health, and died 4 years ago.

5. (i) Never any flue shots (ii) one pneumonia shot (iii) had vaccinations against yellow fever, hepatitis etc when I visited India 20 years ago. Nothing recent

6. I did go through a 3 months ABX protocol with Dr Pizziono, — without much success — and am presently talking detox pills against yeast side effects. No other regular supplements.

7. Age 75 in march, height 5-11, weight (too much!) about 180. Too tired to run!

8. I did see Dr Pittman 20 years ago to do some chelation, but it was on a very small and short scale. I have always been very health and active (played soccer till 55), and all my problems started when I took statins 6 years ago, for ONLY 4 weeks. I had strong muscle pain and stopped after 4 weeks. Then 6 weeks later — when my muscle pain would not go away — I had an upper body massage. The next day ALL HELL broke loose. My torso was “in flames”, and my muscle degeneration stated. When other Lyme like symptoms started, I was tested for Lyme but the test were negative. I saw muscle and orthopedic doctors (Speer , Jones , Karam, Duke sport medicine etc etc) with little or no help. I tested positive for Lyme in May of this year.

9. I have lived for 40 years in Raleigh, NC. I have had concerns about the drinking water (Heater , Aqua) which is drilled locally. And there is chemical dump at Carter Finley stadium - barely 2 miles away!