



PATIENT: Number 857
 SEX: Male
 AGE: 48

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	5.1	< 7.0	
Antimony (Sb)	0.032	< 0.066	
Arsenic (As)	0.055	< 0.080	
Barium (Ba)	0.46	< 1.0	
Beryllium (Be)	0.021	< 0.020	
Bismuth (Bi)	0.018	< 2.0	
Cadmium (Cd)	0.011	< 0.065	
Lead (Pb)	0.26	< 0.80	
Mercury (Hg)	1.4	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.006	< 0.060	
Nickel (Ni)	0.09	< 0.20	
Silver (Ag)	0.55	< 0.08	
Tin (Sn)	0.11	< 0.30	
Titanium (Ti)	0.26	< 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)	444	200- 750					
Magnesium (Mg)	47	25- 75					
Sodium (Na)	170	20- 180					
Potassium (K)	52	9- 80					
Copper (Cu)	15	11- 30					
Zinc (Zn)	420	130- 200					
Manganese (Mn)	0.16	0.08- 0.50					
Chromium (Cr)	0.46	0.40- 0.70					
Vanadium (V)	0.050	0.018- 0.065					
Molybdenum (Mo)	0.026	0.025- 0.060					
Boron (B)	12	0.40- 3.0					
Iodine (I)	3.6	0.25- 1.8					
Lithium (Li)	0.004	0.007- 0.020					
Phosphorus (P)	141	150- 220					
Selenium (Se)	0.76	0.70- 1.2					
Strontium (Sr)	1.4	0.30- 3.5					
Sulfur (S)	47600	44000- 50000					
Cobalt (Co)	0.004	0.004- 0.020					
Iron (Fe)	7.4	7.0- 16					
Germanium (Ge)	0.032	0.030- 0.040					
Rubidium (Rb)	0.074	0.011- 0.12					
Zirconium (Zr)	0.014	0.020- 0.44					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 04/28/2013	Sample Size: 0.195 g	Ca/Mg	9.45	4- 30
Date Received: 05/07/2013	Sample Type: Head	Ca/P	3.15	0.8- 8
Date Completed: 05/09/2013	Hair Color: Black	Na/K	3.27	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	28	4- 20
	Shampoo: Astille Soap	Zn/Cd	> 999	> 800

Health history for hair test 857

1. **What are your current symptoms and health history?**

No current symptoms. In good overall health. No prior hospitalizations or chronic illness. Propensity for staph skin infections.

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

Wisdom teeth removed as teenager, 30 years ago. Juvenile peridontitis leading to loss of a front tooth. Braces as teenager. First amalgam when preteen.

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

Three amalgams remaining. Three gold crowns. One composite crown.

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

I don't know.

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

Typical childhood vaccines. Two sets of travel shots in 30's. Several flu vaccines during 40's.

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

Generic multi-vitamin.

7. **What is your age, height and weight?**

49. 5'9". 160 lbs.

8. **Other information you feel may be relevant?**

NA

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

Washington DC.