



PATIENT: Number 578
 SEX: Male
 AGE: 20

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.2	< 7.0	
Antimony (Sb)	0.012	< 0.066	
Arsenic (As)	0.040	< 0.080	
Barium (Ba)	< 0.04	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.008	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.08	< 0.80	
Mercury (Hg)	0.14	< 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)	0.01	< 0.20	
Silver (Ag)	< 0.006	< 0.08	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.29	< 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)	217	200- 750	
Magnesium (Mg)	33	25- 75	
Sodium (Na)	39	20- 180	
Potassium (K)	14	9- 80	
Copper (Cu)	16	11- 30	
Zinc (Zn)	290	130- 200	
Manganese (Mn)	0.06	0.08- 0.50	
Chromium (Cr)	0.49	0.40- 0.70	
Vanadium (V)	0.030	0.018- 0.065	
Molybdenum (Mo)	0.036	0.025- 0.060	
Boron (B)	3.5	0.40- 3.0	
Iodine (I)	0.60	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	199	150- 220	
Selenium (Se)	0.93	0.70- 1.2	
Strontium (Sr)	0.14	0.30- 3.5	
Sulfur (S)	47600	44000- 50000	
Cobalt (Co)	0.003	0.004- 0.020	
Iron (Fe)	4.9	7.0- 16	
Germanium (Ge)	0.024	0.030- 0.040	
Rubidium (Rb)	0.013	0.011- 0.12	
Zirconium (Zr)	0.57	0.020- 0.44	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 1/16/2012	Sample Size: 0.198 g	Ca/Mg	6.58
Date Received: 1/20/2012	Sample Type: Head	Ca/P	1.09
Date Completed: 1/21/2012	Hair Color: Brown	Na/K	2.79
Methodology: ICP/MS	Treatment:	Zn/Cu	18.1
	Shampoo: Head Shoulders	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 578

1. What are your current symptoms and health history? a) Depression, weight gain, achy joints, short term memory issues, Libido issues, ezema on skin, scalp dandruff, insomnia, rage and anger at times, hand tremors, headaches and migraines. Ive had Ebstein Barr and Mono. I get sick alot with the flu and colds.

2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc) a) No amalgam, but braces, composite fillings and years of flouride pills. Wisdom teeth removed in 2008.

3. What dental work do you currently have in place? What part of the dental clean-up have you completed? a) Just composite fillings; about three or four.

4. What dentistry did your mother have at any time before or during pregnancy? a)8 amalgams, one bridge, three root canals.

5. What vaccinations have you had and when (including flu and especially travel shots)? a) All childhood vaccines plus Hep B series, four flu shots, two pneumonia shots.

6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? Vitamin B complex 100's and Vitamin C 1000mgs a day.

7. What is your age, height and weight? a) 19 years old, 5'9", 190 lbs.

8. Other information you feel may be relevant? a) Mother has been diagnosed with many heavy metals poisoning her.

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