



PATIENT: Number 694
SEX: Female
AGE: 29

Toxic & Essential Elements; Hair

TOXIC METALS					
		RESULT μg/g	REFERENCE INTERVAL	PERCENTILE	
				68 th	95 th
Aluminum	(Al)	3.0	< 7.0		
Antimony	(Sb)	0.012	< 0.050		
Arsenic	(As)	0.024	< 0.060		
Barium	(Ba)	1.2	< 2.0		
Beryllium	(Be)	< 0.01	< 0.020		
Bismuth	(Bi)	0.005	< 2.0		
Cadmium	(Cd)	< 0.009	< 0.050		
Lead	(Pb)	0.09	< 0.60		
Mercury	(Hg)	0.26	< 0.80		
Platinum	(Pt)	< 0.003	< 0.005		
Thallium	(Tl)	< 0.001	< 0.002		
Thorium	(Th)	< 0.001	< 0.002		
Uranium	(U)	0.009	< 0.060		
Nickel	(Ni)	0.11	< 0.30		
Silver	(Ag)	0.08	< 0.15		
Tin	(Sn)	0.08	< 0.30		
Titanium	(Ti)	0.22	< 0.70		
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)	1260	300– 1200					
Magnesium	(Mg)	100	35– 120					
Sodium	(Na)	26	20– 250					
Potassium	(K)	8	8– 75					
Copper	(Cu)	27	11– 37					
Zinc	(Zn)	240	140– 220					
Manganese	(Mn)	0.10	0.08– 0.60					
Chromium	(Cr)	0.31	0.40– 0.65					
Vanadium	(V)	0.049	0.018– 0.065					
Molybdenum	(Mo)	0.035	0.020– 0.050					
Boron	(B)	0.34	0.25– 1.5					
Iodine	(I)	0.97	0.25– 1.8					
Lithium	(Li)	0.011	0.007– 0.020					
Phosphorus	(P)	156	150– 220					
Selenium	(Se)	1.0	0.55– 1.1					
Strontium	(Sr)	3.0	0.50– 7.6					
Sulfur	(S)	49400	44000– 50000					
Cobalt	(Co)	0.025	0.005– 0.040					
Iron	(Fe)	6.9	7.0– 16					
Germanium	(Ge)	0.030	0.030– 0.040					
Rubidium	(Rb)	0.004	0.007– 0.096					
Zirconium	(Zr)	0.019	0.020– 0.42					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 10/25/2012		Ca/Mg	12.6	4– 30
Date Received: 10/30/2012		Ca/P	8.08	1– 12
Date Completed: 11/01/2012		Na/K	3.25	0.5– 10
Methodology: ICP/MS		Zn/Cu	8.89	4– 20
Sample Size: 0.204 g		Zn/Cd	> 999	> 800
Sample Type: Head				
Hair Color: Brown				
Treatment:				
Shampoo: Vo5				

Hair Test 694

1. Current Symptoms and Health History: Colicky baby. Asthma and recurrent upper respiratory infections in early childhood necessitating some ER runs. Joint pain in knees beginning age 4. Back pain beginning age 10. Severe environmental allergies throughout childhood. Always cold (even growing up in California.) Orthostatic hypotension. Extreme shyness and social anxiety. Beginning at age 14, severe menorrhagia and dysmenorrhea, severe PMS, frequent stomach aches, onset of food intolerances: dairy, wheat, fruit. Early adulthood included onset of mild depressive symptoms. Age 18, onset muscle spasms in feet, legs, premature graying of hair. Age 21, onset IBS. Age 26-28, onset joint pain encompassing entire body, severe fatigue, pain in right breast, blurred vision, neck pain, occipital headache, photophobia, afterimages, panic attacks, dizziness, more severe food intolerances, severe scalp itching and random itching elsewhere, numbness in fingers and toes intermittently, choppy vision, narrowing of visual field (tunnel vision), feeling of being asleep and unable to wake up, unable to drive long distances, unable to perform aerobic exercise, heart palpitations. Age 29, onset tinnitus, plugged ears.

2. Dental history: Wisdom teeth removed age 19. No root canal. No braces. No mercury fillings.

3. Dental work: One composite filling (Esthetex brand, shade A1) put in at age 26. Sealants a few times.

4. Mother's dental history: Mother had no fillings prior to my birth. She had five mercury fillings put in shortly after my birth. I was breastfed exclusively.

5. Vaccinations: Full vaccination schedule for a 1980s kid, which includes MMR, DTP, OPV.

6. Supplements/drugs: Too numerous to list, but included antibiotics, both natural and Rx antifungals, lots of vitamin and mineral supplements, etc.

8. VA, US