



PATIENT: Number 778
 SEX: Female
 AGE: 37

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.9	< 7.0	
Antimony (Sb)	0.015	< 0.050	
Arsenic (As)	0.16	< 0.060	
Barium (Ba)	0.87	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.004	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.10	< 0.60	
Mercury (Hg)	0.69	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	1.4	< 0.060	
Nickel (Ni)	0.06	< 0.30	
Silver (Ag)	0.08	< 0.15	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.13	< 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)	526	300- 1200			
Magnesium (Mg)	55	35- 120			
Sodium (Na)	410	20- 250			
Potassium (K)	140	8- 75			
Copper (Cu)	11	11- 37			
Zinc (Zn)	210	140- 220			
Manganese (Mn)	0.51	0.08- 0.60			
Chromium (Cr)	0.39	0.40- 0.65			
Vanadium (V)	0.027	0.018- 0.065			
Molybdenum (Mo)	0.046	0.020- 0.050			
Boron (B)	0.96	0.25- 1.5			
Iodine (I)	0.91	0.25- 1.8			
Lithium (Li)	0.007	0.007- 0.020			
Phosphorus (P)	195	150- 220			
Selenium (Se)	0.75	0.55- 1.1			
Strontium (Sr)	1.9	0.50- 7.6			
Sulfur (S)	47300	44000- 50000			
Cobalt (Co)	0.016	0.005- 0.040			
Iron (Fe)	5.4	7.0- 16			
Germanium (Ge)	0.044	0.030- 0.040			
Rubidium (Rb)	0.13	0.007- 0.096			
Zirconium (Zr)	0.011	0.020- 0.42			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 03/17/2013	Sample Size: 0.205 g	Ca/Mg	9.56	4- 30
Date Received: 03/21/2013	Sample Type: Head	Ca/P	2.7	1- 12
Date Completed: 03/25/2013	Hair Color: Brown	Na/K	2.93	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	19.1	4- 20
	Shampoo: Eo Organics	Zn/Cd	> 999	> 800

Health history for hair test 778

1. Two months ago I was diagnosed with MTHFR as homozygous C677T. I am fatigued, have poor digestion/GI function (blasto), currently have shingles, decreased brain function, widespread inflammation, low immunity, low blood pressure, I have 4th stage gum disease.

I was born premature, I was formula fed, I've have had my tonsils removed, have had a torn ACL, was in a coma from head trauma, have had multiple arm surgeries and have pins and wire in my wrist and knee, I had smoked cigarettes on and off for 11 years, I had smoked pot for 15 years, I had drank heavily for 10 years, I had done mushrooms, LSD, and cocaine for 5 years. I've eaten a purely organic diet for the past 15 years and I am now gluten and dairy free. I grew up in an area in the Midwest among convention corn and soybean fields in a town with a coal power plant on the edge of the municipal water supply.

2. I had braces from 12 -16, and had my wisdom teeth removed in my mid-twenties.

3. I have periodontal cleanings every three months for my gum disease but have no metal fillings.

4. My mother had amalgams when I was in her womb.

5. I had all the childhood vaccinations in the 70's, then in 1995 I got a bunch of them for a trip to Botswana.

6. New Chapter Prenatal Multivitamin – 3 a day for 3 years prior
Iodine – 150 Mcg a day for a year
Probiotic – 50 billion one a day for 3 years prior

I was taking L-Cysteine, Actifolate (with folic acid, L-5 methyl tetradrofolate, and 5-tetrahydrofolate), XYMOGEN MedCaps DPO (includes ALA, NAC, MSM), Phosphatidyl-SERINE Capsules, B12 methylcobalamin, and Valacyclovir (for shingles) 2 days before the hair test was taken.

7. I'm 38, 5'6", and 130 lbs.

8. When I first learned that I was MTHFR the first protocol I went on had ALA, MSM, and NAC. Within 48 hours I had severe effects of major fatigue, nausea, unclear thinking (couldn't talk), and very disturbed brain activity.

Currently I'm taking:

Grapefruit Seed Extract – 100 mg
VITD3 – 2000 IU
Methyl B12 (methylcobalamin) – 500 mcg
Oregano Oil – 181 mg
Krill Oil – 500 mg
American Ginseng – 1200 mg
Ox Bile – 125 mg 3x daily
St. Johns Wort – 1350 mg 3x daily
Skull Cap – 350 mg 3x daily
Burdock – 500 mg 3x daily

Boswellia – 375 mg 3x daily
Calcium – 210 mg
Vitamin E – 400 IU
New Beginnings Spectrumate Multivitamin
PC – 450 mg
Betaine HCL – 2.08 g 3x daily
Pepsin – 80 mg 3x daily
Peptasol C – 4.8 g
Butyric Acid – 0.5g
Magnesium – 40 mg
Rainbow Light Advanced Digestive Enzymes
Zinc – 30 mg
P5P – 25 mg
Lypo-Spheric Vitamin C – 1000 mg
Cytosyme-AD:
 Neonatal Adrenal Complex – 80 mg
 Superoxide Dismutase – 20 mcg
 Catalase – 20 mcg

My doctor recommends that I take another hair test to see if it comes out the same.

In your opinion, should I chelate? I don't meet the counting rules but is there anything I need to do? Have you ever seen this much uranium and is iron the only chelating agent for this?

9. I have lived in Petaluma, CA (southern Sonoma County) for the past 12 years. I lived in Hartford, CT for 4 years, and grew up in Springfield, IL for 18. The other 4 years I lived in different parts in the country including Cape Cod, MA.