



PATIENT: Number 581
 SEX: Female
 AGE: 46

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	9.0	< 7.0	
Antimony (Sb)	0.047	< 0.050	
Arsenic (As)	0.047	< 0.060	
Barium (Ba)	0.27	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.028	< 2.0	
Cadmium (Cd)	0.066	< 0.050	
Lead (Pb)	1.1	< 0.60	
Mercury (Hg)	0.35	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.004	< 0.060	
Nickel (Ni)	0.12	< 0.30	
Silver (Ag)	1.2	< 0.15	
Tin (Sn)	0.31	< 0.30	
Titanium (Ti)	0.55	< 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)	239	300- 1200			
Magnesium (Mg)	15	35- 120			
Sodium (Na)	100	20- 250			
Potassium (K)	100	8- 75			
Copper (Cu)	18	11- 37			
Zinc (Zn)	130	140- 220			
Manganese (Mn)	0.49	0.08- 0.60			
Chromium (Cr)	0.58	0.40- 0.65			
Vanadium (V)	0.039	0.018- 0.065			
Molybdenum (Mo)	0.044	0.020- 0.050			
Boron (B)	1.3	0.25- 1.5			
Iodine (I)	2.7	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	150	150- 220			
Selenium (Se)	0.64	0.55- 1.1			
Strontium (Sr)	0.82	0.50- 7.6			
Sulfur (S)	47100	44000- 50000			
Cobalt (Co)	0.005	0.005- 0.040			
Iron (Fe)	7.2	7.0- 16			
Germanium (Ge)	0.026	0.030- 0.040			
Rubidium (Rb)	0.12	0.007- 0.096			
Zirconium (Zr)	0.090	0.020- 0.42			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected:	Sample Size: 0.195 g	Ca/Mg	15.9	4- 30
Date Received: 12/17/2011	Sample Type: Head	Ca/P	1.59	1- 12
Date Completed: 12/21/2011	Hair Color:	Na/K	1	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	7.22	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 581

1. Current symptoms and health history - Have had systemic yeast for 16 years. Chronic fatigue first flare up about 3 years ago. Lots of fatigue, anxiety issues at times, depression most of my teenage years and into my adult life. Unable to get under control. Amalgam exposure. Amalgams removed over 30 years without proper precautions. (probably around 5 or 6). Broken thermometer I handled when I was 14 or 15 years old. Helped scrape old paint from house around 8 or 9 years old. Have had 2 or 3 flu shots.
2. Dental history - had two wisdom teeth removed as an adult, only around 5 or 6 years ago. No other extractions. No root canals. First amalgam in teens.
3. Had the remainder of my amalgams removed (5 in all) exactly 2 1/2 months ago. Had them done with precautions.
4. My mother's mouth is full of amalgams. I don't know if she had any dentistry before or during pregnancy. She does not remember.
5. Have had 2 or 3 flu shots in past 10 years. No travel shots.
6. I had my hair test done when I had started chelating with DMSA for about 1 month at 12.5 mg (3 days on, 4 days off). I take 15 mg paxil every day, I take Health Concerns Woman's Balance (2250 mg) once a day and around 350 mg of magnesium citrate in a day.
7. I am 47 years old, height 5' 8", 180 lbs.
8. Nothing I can think of.
9. I live in Sherman, CT USA