



PATIENT: Number 835
 SEX: Female
 AGE: 35

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	8.1	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.038	< 0.060	
Barium (Ba)	0.60	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.036	< 2.0	
Cadmium (Cd)	0.011	< 0.050	
Lead (Pb)	0.49	< 0.60	
Mercury (Hg)	0.10	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.12	< 0.060	
Nickel (Ni)	0.24	< 0.30	
Silver (Ag)	0.23	< 0.15	
Tin (Sn)	1.6	< 0.30	
Titanium (Ti)	0.37	< 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)	1360	300- 1200	
Magnesium (Mg)	210	35- 120	
Sodium (Na)	10	20- 250	
Potassium (K)	4	8- 75	
Copper (Cu)	75	11- 37	
Zinc (Zn)	170	140- 220	
Manganese (Mn)	0.07	0.08- 0.60	
Chromium (Cr)	0.41	0.40- 0.65	
Vanadium (V)	0.029	0.018- 0.065	
Molybdenum (Mo)	0.033	0.020- 0.050	
Boron (B)	0.40	0.25- 1.5	
Iodine (I)	0.17	0.25- 1.8	
Lithium (Li)	0.004	0.007- 0.020	
Phosphorus (P)	135	150- 220	
Selenium (Se)	33	0.55- 1.1	
Strontium (Sr)	1.9	0.50- 7.6	
Sulfur (S)	49200	44000- 50000	
Cobalt (Co)	0.017	0.005- 0.040	
Iron (Fe)	5.9	7.0- 16	
Germanium (Ge)	0.031	0.030- 0.040	
Rubidium (Rb)	< 0.003	0.007- 0.096	
Zirconium (Zr)	0.024	0.020- 0.42	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 08/12/2013	Sample Size: 0.198 g	Ca/Mg	6.48	4- 30
Date Received: 08/17/2013	Sample Type: Head	Ca/P	10.1	1- 12
Date Completed: 08/20/2013	Hair Color:	Na/K	2.5	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	2.27	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 835

1. I was really healthy most of my life. At the age 22 I received 7 amalgams. When I was 28 I started University where they required shots (MMR and DTP). I did titers and it showed I wasn't immuned. My Mom told me she didn't do most of my vaccinations. I received MMR and DTP in January 2006. I started having allergies after that and strange red spots on my face (forehead), chest, lower arms - first it is big red spot, then the next day little dots and then it dissapears twice a year. I started having spring allergies after that year (never had before). Then in 2010 I took my daughter to DAN doctor who mentioned about amalgams. I removed all of them 1 or 2 at a time every two months in 2010-2011. I have bad GI symptoms last year also besides red allergy spots. Other symptoms fatigue, irritability, low energy, headaches, not clear vision (like through plastic film).
2. 7 amalgams removed. Had 1 wisdom tooth extraction in 2003, other regular tooth extraction that year. No root canals, braces. All amalgams were placed in 2000.
3. White filings were put in place after amalgams removed in 2011.
4. Mother had amalgam filings before pregnancy.
5. January 2006 MMR and DTP.
6. I was taking probiotics (Klaire Complete) and Cortrex from Thorne for past 3 months.
7. 35 y.o. 5'10, 150 lbs
8. My daughter has autism - I am doing AC chelation for her.
9. USA, Jacksonville, IL