



PATIENT: Number 549
 SEX: Male
 AGE: 3

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)		16	< 8.0	
Antimony (Sb)		0.040	< 0.066	
Arsenic (As)		0.070	< 0.080	
Barium (Ba)		0.26	< 0.50	
Beryllium (Be)		< 0.01	< 0.020	
Bismuth (Bi)		5.6	< 2.0	
Cadmium (Cd)		0.012	< 0.070	
Lead (Pb)		0.51	< 1.0	
Mercury (Hg)		0.77	< 0.40	
Platinum (Pt)		< 0.003	< 0.005	
Thallium (Tl)		< 0.001	< 0.002	
Thorium (Th)		< 0.001	< 0.002	
Uranium (U)		0.002	< 0.060	
Nickel (Ni)		0.16	< 0.20	
Silver (Ag)		0.31	< 0.20	
Tin (Sn)		0.47	< 0.30	
Titanium (Ti)		2.7	< 1.0	
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)		140	125- 370		
Magnesium (Mg)		17	12- 30		
Sodium (Na)		13	20- 200		
Potassium (K)		45	12- 200		
Copper (Cu)		17	11- 18		
Zinc (Zn)		63	100- 190		
Manganese (Mn)		0.10	0.10- 0.50		
Chromium (Cr)		0.63	0.43- 0.80		
Vanadium (V)		0.13	0.030- 0.10		
Molybdenum (Mo)		0.11	0.050- 0.13		
Boron (B)		1.0	0.70- 5.0		
Iodine (I)		0.41	0.25- 1.3		
Lithium (Li)		< 0.004	0.007- 0.020		
Phosphorus (P)		134	150- 220		
Selenium (Se)		0.78	0.70- 1.1		
Strontium (Sr)		0.11	0.16- 1.0		
Sulfur (S)		46100	45500- 53000		
Cobalt (Co)		0.008	0.004- 0.020		
Iron (Fe)		11	7.0- 16		
Germanium (Ge)		0.032	0.030- 0.040		
Rubidium (Rb)		0.075	0.016- 0.18		
Zirconium (Zr)		0.087	0.040- 1.0		

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 9/18/2011		Ca/Mg	8.24
Date Received: 9/24/2011		Ca/P	1.04
Date Completed: 9/27/2011		Na/K	0.289
Methodology: ICP/MS		Zn/Cu	3.71
Sample Size: 0.196 g		Zn/Cd	> 999
Sample Type: Head			
Hair Color: Brown			
Treatment:			
Shampoo: Jason Kids			
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 549

I'm sending my son's hair test. I intend to begin AC chelation asap.

I would really appreciate any help I can get!

1. What are your current symptoms and health history?

- Boy, 3 years old, 45 lbs (20 kg), 100 cm.
- Moderately autistic, barely verbal.
- Happy boy, babbles and stims A LOT, lining up stuff, scripting, rituals.
- BED diet

2. No dental work ever

3. Mom has two amalgams, also two porcelain fillings that replace now two other amalgam fillings (changed 6 years ago, or 3 years before pregnancy, with little concern to mercury leakage)

4. What vaccinations have you had and when (including flu and especially travel shots)?

3 weeks: BCG

3 months: PKV , DTP (differi, tetanus and pertussis), polio+ Hib

6 months: PKV , DTP-polio+ Hib

8 months: Hepatit B

9 months: Hepatit B

11 months: PKV , DTP-polio+ Hib

13 months: Hepatit B

18 months: MMR and swine flue

5. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?

- a multivitamin and minerals
- DMG
- 5-HTP + tyrosine
- methylation support (B-12 and folinic)
- digestive enzymes
- probiotics (therbiotics and culturelle)
- CLO
- Co-Q10
- artichoke extract (he did way better on this one than milk thistle. We have just tested liver function and it's OK)
- MB12 + folinic acid shots

Added after the test was taken:

- extra C and E
- selenium
- calcium
- zinc
- magnesium citrate
- lithium
- 2 rounds of flagyl (clostridia)
- 21 days of diflucan (will soon switch to naturals)

6. Oslo area, Norway