



PATIENT: Number 830
 SEX: Male
 AGE: 4

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	42	< 8.0	
Antimony (Sb)	0.027	< 0.066	
Arsenic (As)	0.052	< 0.080	
Barium (Ba)	1.6	< 0.50	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.040	< 2.0	
Cadmium (Cd)	0.019	< 0.070	
Lead (Pb)	2.6	< 1.0	
Mercury (Hg)	0.08	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.003	< 0.002	
Uranium (U)	0.010	< 0.060	
Nickel (Ni)	0.25	< 0.20	
Silver (Ag)	0.19	< 0.20	
Tin (Sn)	0.28	< 0.30	
Titanium (Ti)	0.54	< 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)	358	125- 370					
Magnesium (Mg)	100	12- 30					
Sodium (Na)	53	20- 200					
Potassium (K)	46	12- 200					
Copper (Cu)	48	11- 18					
Zinc (Zn)	110	100- 190					
Manganese (Mn)	0.41	0.10- 0.50					
Chromium (Cr)	0.50	0.43- 0.80					
Vanadium (V)	0.071	0.030- 0.10					
Molybdenum (Mo)	0.11	0.050- 0.13					
Boron (B)	0.59	0.70- 5.0					
Iodine (I)	1.5	0.25- 1.3					
Lithium (Li)	< 0.004	0.007- 0.020					
Phosphorus (P)	121	150- 220					
Selenium (Se)	0.91	0.70- 1.1					
Strontium (Sr)	1.3	0.16- 1.0					
Sulfur (S)	47200	45500- 53000					
Cobalt (Co)	0.013	0.004- 0.020					
Iron (Fe)	34	7.0- 16					
Germanium (Ge)	0.033	0.030- 0.040					
Rubidium (Rb)	0.10	0.016- 0.18					
Zirconium (Zr)	0.045	0.040- 1.0					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 07/28/2013	Sample Size: 0.201 g	Ca/Mg	3.58	4- 30
Date Received: 08/09/2013	Sample Type: Head	Ca/P	2.96	0.8- 8
Date Completed: 08/10/2013	Hair Color:	Na/K	1.15	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	2.29	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 830

1. What are your current symptoms and health history? He is ASD. He is in sfcf diet, without sugar, corants, etc. Now he finished the 3rd round of AC chelaton with low dose of DMSA (3.5mg) .
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) No
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? not applied
4. What dentistry did your mother have at any time before or during pregnancy? yes, four years before he born (2005) the mother extracted all the amalgams. Besides, she has a Bachelors degree in Chemistry
5. What vaccinations have you had and when (including flu and especially travel shots)? All of the first two year
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? He is taking magnesium (40mg, 2x per day), krill omega from mercola, selenium 100 mg, vitamin C 200mg (3x per day)
7. What is your age, height and weight? 4 years old, 41.88lb (19 Kg), 100 cm
8. Other information you feel may be relevant? He does not speak, has a symptoms of candida
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent). Rio de Janeiro, Brazil