



PATIENT: Number 567
 SEX: Male
 AGE: 9

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	7.3	< 8.0	
Antimony (Sb)	0.052	< 0.066	
Arsenic (As)	0.13	< 0.080	
Barium (Ba)	0.63	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.20	< 2.0	
Cadmium (Cd)	0.096	< 0.070	
Lead (Pb)	0.61	< 1.0	
Mercury (Hg)	0.10	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.003	< 0.060	
Nickel (Ni)	0.09	< 0.20	
Silver (Ag)	0.14	< 0.14	
Tin (Sn)	0.24	< 0.30	
Titanium (Ti)	0.47	< 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)	316	160- 500			
Magnesium (Mg)	33	12- 50			
Sodium (Na)	1300	20- 200			
Potassium (K)	330	12- 140			
Copper (Cu)	23	11- 32			
Zinc (Zn)	150	110- 190			
Manganese (Mn)	0.42	0.08- 0.50			
Chromium (Cr)	0.62	0.40- 0.70			
Vanadium (V)	0.079	0.025- 0.10			
Molybdenum (Mo)	0.060	0.040- 0.090			
Boron (B)	4.7	0.50- 3.5			
Iodine (I)	0.60	0.25- 1.3			
Lithium (Li)	0.006	0.007- 0.020			
Phosphorus (P)	154	150- 220			
Selenium (Se)	1.0	0.70- 1.1			
Strontium (Sr)	0.52	0.21- 2.1			
Sulfur (S)	49000	44000- 51000			
Cobalt (Co)	0.008	0.004- 0.020			
Iron (Fe)	9.3	7.0- 16			
Germanium (Ge)	0.030	0.030- 0.040			
Rubidium (Rb)	0.37	0.008- 0.080			
Zirconium (Zr)	0.065	0.060- 0.70			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 12/4/2011		Ca/Mg	9.58
Date Received: 12/10/2011		Ca/P	2.05
Date Completed: 12/13/2011		Na/K	3.94
Methodology: ICP/MS		Zn/Cu	6.52
Sample Size: 0.205 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: 7th Gendish			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 567

- 1) What are your current symptoms and health history? **Autism. Speech delay. Maybe brain fog. Attention issues. Cognitive impairment (complexity).**
- 2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...) **No amalgams but I had "leaky" amalgams during pregnancy.**
- 3) What dental work do you currently have in place? What part of the dental cleanup have you completed?
- 4) What dentistry did your mother have at any time before or during pregnancy?
- 5) What vaccinations have you had and when (including flu and especially travel shots)? **All vaccinations up to age 4. No thimerisol that I know of. He may have had one flu shot.**
- 6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken. **fish oil**
- 7) Other information you feel may be relevant?
- 8) What is your location - city & country (so that we can learn where certain toxins are more prevalent). **Charlottesville, Va**