



PATIENT: Number 636
 SEX: Male
 AGE: 2

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	26	< 8.0	
Antimony (Sb)	0.11	< 0.066	
Arsenic (As)	0.035	< 0.080	
Barium (Ba)	0.51	< 0.50	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.17	< 2.0	
Cadmium (Cd)	0.13	< 0.070	
Lead (Pb)	1.1	< 1.0	
Mercury (Hg)	0.25	< 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)	0.27	< 0.20	
Silver (Ag)	0.62	< 0.20	
Tin (Sn)	1.2	< 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)	258	125- 370					
Magnesium (Mg)	24	12- 30					
Sodium (Na)	29	20- 200					
Potassium (K)	77	12- 200					
Copper (Cu)	12	11- 18					
Zinc (Zn)	190	100- 190					
Manganese (Mn)	0.50	0.10- 0.50					
Chromium (Cr)	0.48	0.43- 0.80					
Vanadium (V)	0.061	0.030- 0.10					
Molybdenum (Mo)	0.089	0.050- 0.13					
Boron (B)	2.5	0.70- 5.0					
Iodine (I)	6.0	0.25- 1.3					
Lithium (Li)	0.024	0.007- 0.020					
Phosphorus (P)	133	150- 220					
Selenium (Se)	0.66	0.70- 1.1					
Strontium (Sr)	0.29	0.16- 1.0					
Sulfur (S)	44700	45500- 53000					
Cobalt (Co)	0.026	0.004- 0.020					
Iron (Fe)	11	7.0- 16					
Germanium (Ge)	0.029	0.030- 0.040					
Rubidium (Rb)	0.086	0.016- 0.18					
Zirconium (Zr)	1.1	0.040- 1.0					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 6/18/2012	Sample Size: 0.185 g	Ca/Mg	10.8	4- 30
Date Received: 6/29/2012	Sample Type: Head	Ca/P	1.94	0.8- 8
Date Completed: 7/2/2012	Hair Color: Brown	Na/K	0.377	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	15.8	4- 20
	Shampoo: Jj	Zn/Cd	> 999	> 800

Health history for hair test 636

This is for my son a 2 year old male that has all vaccinations prior to being DX with PDD-NOS 6 months ago.

He did not have a flu shot and I did not get one while I was pregnant.

I had one Crown with Mercury in it while I was pregnant which I have removed.

I had injections of Heparin and IVIG transfusions to avoid miscarriage up until I was 4 months pregnant.

NYC, NY is our location