



PATIENT: Number 783  
 SEX: Male  
 AGE: 4

### Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	11	< 8.0	
Antimony (Sb)	0.042	< 0.066	
Arsenic (As)	0.090	< 0.080	
Barium (Ba)	2.8	< 0.50	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.007	< 2.0	
Cadmium (Cd)	0.18	< 0.070	
Lead (Pb)	8.6	< 1.0	
Mercury (Hg)	0.16	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.002	< 0.002	
Thorium (Th)	0.002	< 0.002	
Uranium (U)	0.67	< 0.060	
Nickel (Ni)	0.07	< 0.20	
Silver (Ag)	0.04	< 0.20	
Tin (Sn)	0.94	< 0.30	
Titanium (Ti)	0.65	< 1.0	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>		
Calcium (Ca)	410	125- 370			
Magnesium (Mg)	46	12- 30			
Sodium (Na)	43	20- 200			
Potassium (K)	88	12- 200			
Copper (Cu)	10	11- 18			
Zinc (Zn)	220	100- 190			
Manganese (Mn)	1.0	0.10- 0.50			
Chromium (Cr)	0.39	0.43- 0.80			
Vanadium (V)	0.17	0.030- 0.10			
Molybdenum (Mo)	0.17	0.050- 0.13			
Boron (B)	1.4	0.70- 5.0			
Iodine (I)	1.2	0.25- 1.3			
Lithium (Li)	0.008	0.007- 0.020			
Phosphorus (P)	149	150- 220			
Selenium (Se)	0.84	0.70- 1.1			
Strontium (Sr)	3.7	0.16- 1.0			
Sulfur (S)	46800	45500- 53000			
Cobalt (Co)	0.012	0.004- 0.020			
Iron (Fe)	17	7.0- 16			
Germanium (Ge)	0.032	0.030- 0.040			
Rubidium (Rb)	0.13	0.016- 0.18			
Zirconium (Zr)	0.064	0.040- 1.0			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 05/15/2013	Sample Size: 0.197 g	Ca/Mg	8.91	4- 30
Date Received: 05/20/2013	Sample Type: Head	Ca/P	2.75	0.8- 8
Date Completed: 05/24/2013	Hair Color: Black	Na/K	0.489	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	22	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

### **Health history for hair test 783**

This is done on ACC protocol round 21 with TD DMPS and ALA  
didn't get initial test before starting chelation 5 mth back  
Is he excreting these elements

1. Autism
2. not applicable
3. [NA](#)
4. NA
5. ALL childhood vaccination
6. supplement are mag 400 mg, calcium 1 gm, zinc 60 mg, fish oil , vit e 400 IU , multivitamin and chelation round with DMPS and ALA
7. 3yr 8 mth, 20 kg
8. antitermite treatment exposure
- 9 . New Dehi India