



PATIENT: Number 686
 SEX: Female
 AGE: 3

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	14	< 8.0	
Antimony (Sb)	0.023	< 0.066	
Arsenic (As)	0.063	< 0.080	
Barium (Ba)	0.33	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.012	< 2.0	
Cadmium (Cd)	0.031	< 0.070	
Lead (Pb)	1.2	< 1.0	
Mercury (Hg)	0.35	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.002	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.041	< 0.060	
Nickel (Ni)	0.54	< 0.30	
Silver (Ag)	0.02	< 0.20	
Tin (Sn)	0.24	< 0.30	
Titanium (Ti)	0.36	< 0.90	
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)	206	140- 500			
Magnesium (Mg)	6	15- 45			
Sodium (Na)	110	18- 180			
Potassium (K)	160	10- 150			
Copper (Cu)	11	11- 24			
Zinc (Zn)	65	100- 190			
Manganese (Mn)	0.07	0.10- 0.50			
Chromium (Cr)	0.45	0.43- 0.70			
Vanadium (V)	0.060	0.030- 0.10			
Molybdenum (Mo)	0.076	0.050- 0.13			
Boron (B)	1.4	0.40- 3.5			
Iodine (I)	3.0	0.25- 1.3			
Lithium (Li)	0.004	0.007- 0.020			
Phosphorus (P)	148	150- 220			
Selenium (Se)	0.64	0.70- 1.1			
Strontium (Sr)	0.14	0.19- 2.0			
Sulfur (S)	44100	45500- 53000			
Cobalt (Co)	0.005	0.005- 0.030			
Iron (Fe)	6.3	7.0- 16			
Germanium (Ge)	0.032	0.030- 0.040			
Rubidium (Rb)	0.19	0.012- 0.16			
Zirconium (Zr)	0.035	0.030- 1.0			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 10/29/2012	Sample Size: 0.2 g	Ca/Mg	34.3	4- 30
Date Received: 11/02/2012	Sample Type: Head	Ca/P	1.39	1- 12
Date Completed: 11/06/2012	Hair Color: Black	Na/K	0.688	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	5.91	4- 20
	Shampoo: Organic	Zn/Cd	> 999	> 800

Health history for hair test 686

1. What are your current symptoms and health history?

- developmental delay with autism traits, non verbal, visual & verbal stimming, slow learner

2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

- none

3. What dental work do you currently have in place? What part of the dental clean-up have you completed?

- none

4. What dentistry did your mother have at any time before or during pregnancy?

- none

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

I. BCG - at birth

II. 1st hepatitis B - at birth

III. 1st DTP & Polio & Hib + Hep.B - 2 months

IV. 2nd DTP & Polio & Hib + Hep.B - 3 months

V. 3rd DTP & Polio & Hib + Hep.B - 5 months

VI. MMR - 12 months old (she had a week diarrhea after this shot)

She stopped being vaccinated ever since MMR.

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

- nutriiveda

- supplements with high antioxidants, photochemical (cactus juice)

7. What is your age, height and weight?

- 3 years 9 months old

- 94cm

- 13.5kg

8. Other information you feel may be relevant?

9. What is your location – city & country

Singapore