



PATIENT: Number 764
 SEX: Male
 AGE: 8

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	8.7	< 8.0	
Antimony (Sb)	0.035	< 0.066	
Arsenic (As)	0.057	< 0.080	
Barium (Ba)	2.1	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.025	< 2.0	
Cadmium (Cd)	0.010	< 0.070	
Lead (Pb)	0.58	< 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)	0.031	< 0.060	
Nickel (Ni)	0.06	< 0.20	
Silver (Ag)	0.01	< 0.14	
Tin (Sn)	0.08	< 0.30	
Titanium (Ti)	0.57	< 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)	680	160- 500			
Magnesium (Mg)	89	12- 50			
Sodium (Na)	71	20- 200			
Potassium (K)	48	12- 140			
Copper (Cu)	9.4	11- 32			
Zinc (Zn)	160	110- 190			
Manganese (Mn)	0.20	0.08- 0.50			
Chromium (Cr)	0.41	0.40- 0.70			
Vanadium (V)	0.066	0.025- 0.10			
Molybdenum (Mo)	0.057	0.040- 0.090			
Boron (B)	0.40	0.50- 3.5			
Iodine (I)	0.48	0.25- 1.3			
Lithium (Li)	0.022	0.007- 0.020			
Phosphorus (P)	180	150- 220			
Selenium (Se)	0.52	0.70- 1.1			
Strontium (Sr)	9.3	0.21- 2.1			
Sulfur (S)	47300	44000- 51000			
Cobalt (Co)	0.009	0.004- 0.020			
Iron (Fe)	9.5	7.0- 16			
Germanium (Ge)	0.026	0.030- 0.040			
Rubidium (Rb)	0.062	0.008- 0.080			
Zirconium (Zr)	0.059	0.060- 0.70			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 04/01/2013	Sample Size: 0.195 g	Ca/Mg	7.64	4- 30
Date Received: 04/06/2013	Sample Type: Head	Ca/P	3.78	0.8- 8
Date Completed: 04/10/2013	Hair Color: Black	Na/K	1.48	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	17	4- 20
	Shampoo: Watson	Zn/Cd	> 999	> 800

Health history for hair test 764

1. What are your current symptoms and health history?

8 years old, boy neuro typical brother of a (6 years old boy in ASD, with ADHD symptoms)

Highly intelligent, stright t A student, can be hyper, teachers in school complain of not so good attention, distracted easily and fidget a lot. More on the skinny side, picky eater, heighten sense of smell. and sensitive to things like labels on clothes.

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

None, just milk teeth out naturally

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)?

BGG
one day after his birthday 29 October 2004

Hepatitis B
1st on 28 October 2004
2nd on 30 November 2004
3rd on 19 May 2005

Polio
1st on 28 December 2004
2nd on 31 January 2005
3rd on 01 March 2005
Booster 11 November 2008

DPT
1 st on 31 January 2005
2nd on 01 March 2005
3rd on 01 April 2005
1st booster on 08 June 2006

Measles
1st on 01 July 2005
MMR (booster) 17 August 2006

Japanese B encephalitis
1st 11 May 2006

2nd 15 June 2007

HIB

1st on 28 December 2004

2nd on 01 March 2005

booster on 08 June 2008

Epidemic Encephalitis

1st 14 December 2007

Chicken pox

04 November 2005

Flu shot

16 November 2007

Hepatitis A

1st 09 November 2006

2nd 20 July 2007

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

3-6 months before hair test was taking , vitamin C whatever dose stated on the bottle for children , for maybe a total of two months.

7. What is your age, height and weight?

8 yrs , 27 kg, 140M

8. Other information you feel may be relevant?

younger brother's hair test is also sent to you , he is 19 months younger than him , ASD/ADHD

9. What is your location – city & country (so that we can learn where certain toxins are more prevalent).

Beijing China