



PATIENT: Number 763
 SEX: Male
 AGE: 6

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	21	< 8.0	
Antimony (Sb)	0.19	< 0.066	
Arsenic (As)	0.087	< 0.080	
Barium (Ba)	3.0	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.011	< 2.0	
Cadmium (Cd)	0.023	< 0.070	
Lead (Pb)	2.0	< 1.0	
Mercury (Hg)	0.25	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.002	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.15	< 0.060	
Nickel (Ni)	0.12	< 0.20	
Silver (Ag)	0.03	< 0.14	
Tin (Sn)	0.28	< 0.30	
Titanium (Ti)	0.92	< 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)	735	160- 500	
Magnesium (Mg)	81	12- 50	
Sodium (Na)	36	20- 200	
Potassium (K)	26	12- 140	
Copper (Cu)	11	11- 32	
Zinc (Zn)	98	110- 190	
Manganese (Mn)	0.47	0.08- 0.50	
Chromium (Cr)	0.84	0.40- 0.70	
Vanadium (V)	0.15	0.025- 0.10	
Molybdenum (Mo)	0.10	0.040- 0.090	
Boron (B)	0.51	0.50- 3.5	
Iodine (I)	0.61	0.25- 1.3	
Lithium (Li)	0.034	0.007- 0.020	
Phosphorus (P)	158	150- 220	
Selenium (Se)	0.55	0.70- 1.1	
Strontium (Sr)	11	0.21- 2.1	
Sulfur (S)	47500	44000- 51000	
Cobalt (Co)	0.014	0.004- 0.020	
Iron (Fe)	13	7.0- 16	
Germanium (Ge)	0.027	0.030- 0.040	
Rubidium (Rb)	0.035	0.008- 0.080	
Zirconium (Zr)	0.082	0.060- 0.70	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 03/31/2013		Ca/Mg	9.07
Date Received: 04/06/2013		Ca/P	4.65
Date Completed: 04/10/2013		Na/K	1.38
Methodology: ICP/MS		Zn/Cu	8.91
Sample Size: 0.198 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Black	Treatment:		
Shampoo: Watson			
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 763

1. What are your current symptoms and health history?

6 years old, boy in ASD, with ADHD symptoms, born healthy and reached all milestone on time by his 1st birthday. He started saying words around 9 months up until a year and half when we noticed even the words he was saying earlier he no longer say. At the time we did not notice anything out of the ordinary except late talking, looking back I remember he used to mouth a lot of toys and other things which I though was normal at that age. He used to go to early child development class twice a week for two hours and one teacher seemed to notice that his attention was not as it should be but I was not concerned for a 1.5 to 2 years old. at 2 yrs old suddenly he started being an extremely picky eater and extremely constipation where he would go up to 10 days without BM. At 2.5 years went to see a neurologist who didnt have typical Autism at the time but showing some symptoms. We did an MRI and they say nor brain damage, did EEG, say not epilepsy, did Genetic test they say no genetic issues. We did a blood test at one point around age 1.5-2 to see if has lead or other heavy metals they say no. Did not do hair test (wish I had) we also did blood allergy test and they say nothing of concern. The thing is we are in Beijing China and most of these tests results come in Chinese, cant read results so just depend on the Dr to tell you what they are. Now age 6 he is no longer constipated no picky eater. You can clearly see he is in ASD though we have not gone back to get a diagnosis.

Current symptoms, very hyperactive and very short attention span, learning disability, verbal but does not much of spontanious language. A number of OCD behaviours which changes from time to time, he drops one and pick a new one. Does not know how to play properly wth other kids. Like to push, mostly other kids in play grounds, when extremely angry can get aggressive sometimes scratch, used to bite, no longer. He is very athletic and very well coordinated and fantastic reflexes, very sharp memory and might even have a photographic memory. eye contact there but could be better though he seems not notice and see things even if he appear has not been looking.

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

None, just 3 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
on his birthday 30 June 2006

Hepatitis B

on his birthday
1st on 30 June 2006
2nd on 31 July 2006
3rd on 02 February 2007

Polio
1st on 28 August 2006
2nd on 26 September 2006
3rd on 25 October 2006

DPT
1 st on 26 September 2006
2nd on 25 October 2006
3rd 04 December 2006
1st booster on 15 February 2008

Measles
1st on 02 March 2007
MMR (booster) 11 January 2008

Japanese B encephalitis
1st 14 December 2007

HIB
1st on 11 September 2006
2nd on 12 October 2006
03 on 09 November 2006
booster on 15 February 2008

Epidemic Encephalitis
1st 5 January 2007
2nd 04 April 2007

Chicken pox
06 July 2007

Flu shot
12 October 2007

Hepatitis A
1st 21 March 2008
2nd 26 September 2008

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 , Mg, selenium, milk thistle, (Kirkman) vitamin C whatever dose stated on the bottle for children , for maybe a total of two months. Has not been taking anything else before that or after except for Homeopathy that i dont know the name of remedy given

7. What is your age, height and weight?

6 yrs , 29 kg, 130 M

8. Other information you feel may be relevant?

brother's hair test is also sent to you , he is 19 months older than him , NT

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

Beijing China