HAIR ELEMENTS

PATIENT: Number 242
SEX: Male
AGE: 4
LOCATION: Sacramento, CA USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE 68th	PERCENTILE 95th
Aluminum	7.7	< 8.0		
Antimony	0.079	< 0.066		
Arsenic	0.20	< 0.080		
Barium	0.33	< 0.50		
Beryllium	< 0.01	< 0.020		
Bismuth	0.13	< 2.0		
Cadmium	0.051	< 0.070		
Lead	0.79	< 1.0		
Mercury	0.58	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	0.001	< 0.002		
Uranium	0.081	< 0.060		
Nickel	0.08	< 0.20		
Silver	0.06	< 0.20		
Tin	0.27	< 0.30		
Titanium	0.86	< 1.0		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE 2.5th	16th	50th	84th	97.5th
Calcium	213	125- 370					
Magnesium	15	12- 30					
Sodium	300	20- 200					
Potassium	410	12- 200					
Copper	7.7	11- 18					
Zinc	100	100- 190					
Manganese	0.11	0.10- 0.50					
Chromium	0.54	0.43- 0.80					
Vanadium	0.22	0.030- 0.10					
Molybdenum	0.067	0.050- 0.13					
Boron	38	0.70- 5.0					
Iodine	1.5	0.25- 1.3					
Lithium	0.010	0.007- 0.020					
Phosphorus	195	150- 220					
Selenium	1.1	0.70- 1.1					
Strontium	0.31	0.16- 1.0					
Sulfur	48400	45500- 53000					
Cobalt	0.005	0.004- 0.020					
Iron	9.1	7.0- 16					
Germanium	0.039	0.030- 0.040					
Rubidium	0.44	0.016- 0.18					
Zirconium	0.21	0.040- 1.0					

SPECIMEN DATA

COMMENTS:

Date Collected:	
Date Received: **12/10/2008**	Sample Size: **0.199 g**
Date Completed: **12/12/2008**	Sample Type: **Head**
Client Reference:	Hair Color:
Methodology: **ICP-MS**	Treatment:
	Shampoo:

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	14.2	4- 30
Ca/P	1.09	0.8- 8
Na/K	0.732	0.5- 10
Zn/Cu	13	4- 20
Zn/Cd	> 999	> 800

V010.08

My son is a 4 1/2 year old very high functioning boy with autistic symptoms. His major problems are high anxiety, easy to cry, complained his knee/leg pain or numb or sore often. Lack of eye contact when talking, foggy memory, lack of play skill. Like to play same toy over and over again - OCD. Hand and eye stimming.
Based on his Hair Analysis, his toxic metals are very elevate. I am very anxious to start the chelation. However, I have some questions and want to verify few things:
1. The lab result does not meet any of the counting rule, Correct? So that means the mineral transport is fine.
2. Does the test result also indicates problem with Adrenal and Thyroid?
3. Should I worry the copper level is low?
4. Any other things I overlook? Thank You.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)
No

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?
Just have 12 cavity filling with plastic resins in Dec 19, 2008

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)?
DTAP 11/29/04, 9/27/04, 8/5/04
Hepatits B, 11/29/04, 9/27/04, 8/5/04, 6/2/04
HepA, 11/10/06, 5/5/06
IPV,11/29/04, 9/27/04, 8/5/04
MMR, 6/14/05
Influenza Virus, 11/11/06, 11/28/05
Pneumoccoccal , 11/29/04, 9/27/04, 8/5/04
Varicella 6/14/05

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

Kirman Super NuThera P5P, Culturrelle, Kirman Enzymes Complete, Probiotics, B12 shot, Vit D, Vit E, Nordic Nature ProDHA, Calcium, Buffered Magnesium

7) Other information you feel may be relevant?
N/A

8) What is your location - city & country (so that we can learn where certain toxins are more prevalent).
Sacramento, CA USA

Thanks
Karen