

# HAIR ELEMENTS



**PATIENT: Number 299**  
**SEX: Male**  
**AGE: 6**  
**LOCATION: Vancouver, Washington, USA**

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	7.4	< 8.0		
Antimony	0.012	< 0.066		
Arsenic	0.046	< 0.080		
Beryllium	< 0.01	< 0.020		
Bismuth	0.012	< 2.0		
Cadmium	0.018	< 0.15		
Lead	0.28	< 1.0		
Mercury	0.05	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.010		
Thorium	0.001	< 0.005		
Uranium	0.054	< 0.060		
Nickel	0.09	< 0.40		
Silver	0.06	< 0.13		
Tin	0.06	< 0.30		
Titanium	0.89	< 1.0		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS							
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Calcium	612	160- 500					
Magnesium	72	12- 50					
Sodium	30	12- 90					
Potassium	20	10- 40					
Copper	38	9.0- 30					
Zinc	210	110- 190					
Manganese	0.26	0.18- 0.60					
Chromium	0.27	0.23- 0.50					
Vanadium	0.36	0.025- 0.10					
Molybdenum	0.042	0.040- 0.089					
Boron	0.40	0.50- 3.5					
Iodine	0.27	0.25- 1.3					
Lithium	0.004	0.007- 0.023					
Phosphorus	209	160- 250					
Selenium	1.2	0.95- 1.7					
Strontium	2.3	0.21- 2.1					
Sulfur	50400	45500- 53000					
Barium	0.55	0.19- 1.6					
Cobalt	0.010	0.013- 0.035					
Iron	14	6.0- 17					
Germanium	0.039	0.045- 0.065					
Rubidium	0.019	0.008- 0.080					
Zirconium	0.064	0.060- 0.70					

SPECIMEN DATA			RATIOS		
<b>COMMENTS:</b>			<b>ELEMENTS</b>	<b>RATIOS</b>	<b>EXPECTED RANGE</b>
Date Collected:	Sample Size:	<b>0.202 g</b>	Ca/Mg	<b>8.5</b>	4- 30
Date Received: <b>10/6/2008</b>	Sample Type:	<b>Head</b>	Ca/P	<b>2.93</b>	0.8- 8
Date Completed: <b>10/9/2008</b>	Hair Color:		Na/K	<b>1.5</b>	0.5- 10
Methodology: <b>ICP-MS</b>	Treatment:		Zn/Cu	<b>5.53</b>	4- 20
	Shampoo:		Zn/Cd	<b>&gt; 999</b>	> 800
		V06.99			

## **Health history for hair test 299**

### **1) What are your current symptoms and health history?**

Mild symptoms of autism, delayed social development and understanding. Dx'd with autism at 18 months old. Also dx'd with a Chiari Malformation Level I (8 mm herniation of the brain into the spinal column, which could mean a tethered spine). Surgery performed on Chiari and language then came out much more easily at 21 months old. Since extreme targeted supplementation, symptoms have improved, although he won't cooperate with assessors to get a current dx. Presently he's believed to be living with High Functioning Autism. Enlarged adenoids, apparent symptoms of sleep apnea depending upon season allergies, overwhelmed with sadness periodically, a sense of malaise, toilet accidents every day (none at night), digestive issues, bloating and gas.

### **2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)**

Absolutely NO amalgams. One cavity between two lower baby molars which will be filled amalgam-free in August of 2009 (we hope, if he cooperates). No sealants, no other dental work at all.

### **3) What dental work do you currently have in place? What part of the dental cleanup have you completed?**

None.

### **4) What dentistry did your mother have at any time before or during pregnancy? See history of second previous entry. Mother had extensive dental work from childhood prior to pregnancy, received rhogam (3) and flu shots during pregnancy.**

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

Standard vaccinations up until 6 month old, then all stopped. DTaP, HiB, varicella, polio all received up until 6 months old. Born in 2002, many vaccinations still contained high amounts of thimerosal as old supplies were being used up.

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

Reliv supplements, 1 shake a day. Products taken, Kids (EFAs), Classic, FibRestore, Innergize. No longer taking these supplements, have moved to more focused non-soy based supplements. Digestive enzymes, probiotics. Ibuprofen for headaches associated with Chiari Malformation.

### **7) Other information you feel may be relevant?**

Despite the contents of mercury in breastmilk, tests have shown very little affects the baby after the first month or so, and the benefits outweigh the risks. We breastfed until he was 7 years old and while he would still very much like to nurse (and I have strong maternal instincts to do so) Mama feels chelation is more important at this point in all our lives. Nursing definitely made a big difference in both boys' lives for the positive, whatever anyone's opinion might be to the contrary.

### **8) What is your location - city & country (so that we can learn where certain toxins are more prevalent).**

Most of his exposure occurred in and around Richmond, California ( El Cerrito, CA). Both boys were born there. However, we now live in Vancouver, Washington, just across the river from Portland, Oregon. USA