

# HAIR ELEMENTS



**PATIENT: Number 298**  
**SEX: Male**  
**AGE: 9**  
**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	9.3	< 8.0		
Antimony	0.025	< 0.066		
Arsenic	0.039	< 0.080		
Beryllium	< 0.01	< 0.020		
Bismuth	0.014	< 2.0		
Cadmium	0.017	< 0.15		
Lead	0.83	< 1.0		
Mercury	0.03	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.010		
Thorium	0.001	< 0.005		
Uranium	0.17	< 0.060		
Nickel	0.06	< 0.40		
Silver	0.08	< 0.13		
Tin	0.17	< 0.30		
Titanium	1.0	< 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	358	160- 500					
Magnesium	28	12- 50					
Sodium	77	12- 90					
Potassium	120	10- 40					
Copper	33	9.0- 30					
Zinc	120	110- 190					
Manganese	0.25	0.18- 0.60					
Chromium	0.26	0.23- 0.50					
Vanadium	0.29	0.025- 0.10					
Molybdenum	0.13	0.040- 0.089					
Boron	1.5	0.50- 3.5					
Iodine	0.38	0.25- 1.3					
Lithium	0.006	0.007- 0.023					
Phosphorus	197	160- 250					
Selenium	1.2	0.95- 1.7					
Strontium	1.2	0.21- 2.1					
Sulfur	50600	45500- 53000					
Barium	0.50	0.19- 1.6					
Cobalt	0.008	0.013- 0.035					
Iron	14	6.0- 17					
Germanium	0.037	0.045- 0.065					
Rubidium	0.12	0.008- 0.080					
Zirconium	0.086	0.060- 0.70					

SPECIMEN DATA				RATIOS		
<b>COMMENTS:</b>				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 10/2/2008	Sample Size: 0.196 g					
Date Received: 10/6/2008	Sample Type: Head			Ca/Mg	12.8	4- 30
Date Completed: 10/9/2008	Hair Color:			Ca/P	1.82	0.8- 8
	Treatment:			Na/K	0.642	0.5- 10
Methodology: ICP-MS	Shampoo:			Zn/Cu	3.64	4- 20
				Zn/Cd	> 999	> 800

V06.99

## **Health history for hair test 298**

(son of 297, brother of 299)

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

Mild symptoms of autism, although diagnosed with full autism at 4 years old. Since extreme targeted supplementation, symptoms have vastly improved, language is 100% useful, academics are on target, but social skills and memory, focus and some fine and gross motor skills remain affected. Dx has moved up from ASD to PDD-NOS. Bad seasonal allergies, food allergies, environmental sensitivities, recurring ear infections as a baby, night time bed wetting (even at 10 now), digestive issues, gassy, even when on restricted diet.

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

Absolutely NO amalgams. Ground baby teeth, and required four baby teeth root canals (again NO metal at all), molars with sealant, adult teeth coming in strong, white and lovely.

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

Just the seals. No other fillings, all baby teeth with mercury-free fillings have fallen out (upper front four).

### **4) What dentistry did your mother have at any time before or during pregnancy?**

See history of previous entry – (hair test 297). Mother had extensive dental work from childhood prior to pregnancy, received rhogam (2) and flu shots during pregnancy.

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

Standard vaccinations up until 18 month old MMR, then all stopped. DTaP, HepB, HiB, varicella, polio all received up until 18 months old. Born in 1999, vaccinations still contained high amounts of thimerosal, including the one he received at birth (HepB).

### **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. On Risperdal per allopathic pediatrician for anger from 4 to about 7 years old. Digestive enzymes, probiotics.

### **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 6 years old and weaned himself. Sometimes, it was the only bond we had. As his mother, I feel it added great value to his recovery. No evidence for that. Just a sense of it. I may get yelled at because of this, but I stand firmly by my decision.

### **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