



PATIENT: Number 705  
 SEX: Male  
 AGE: 4

*Toxic Element Exposure Profile; Hair*

TOXIC METALS					
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE	
				68 <sup>th</sup>	95 <sup>th</sup>
Arsenic	(As)	0.077	< 0.20		
Lead	(Pb)	1.9	< 6.0		
Mercury	(Hg)	0.13	< 2.0		
Cadmium	(Cd)	0.024	< 0.25		
Chromium	(Cr)	0.67	< 1.0		
Beryllium	(Be)	< 0.01	< 0.050		
Cobalt	(Co)	0.007	< 0.050		
Nickel	(Ni)	0.17	< 0.60		
Zinc	(Zn)	85	< 240		
Copper	(Cu)	15	< 35		
Thorium	(Th)	< 0.001	< 0.005		
Thallium	(Tl)	< 0.001	< 0.005		
Barium	(Ba)	0.23	< 2.0		
Cesium	(Cs)	< 0.002	< 0.010		
Manganese	(Mn)	0.32	< 1.2		
Selenium	(Se)	0.60	< 1.6		
Bismuth	(Bi)	0.65	< 5.0		
Vanadium	(V)	0.048	< 0.30		
Silver	(Ag)	0.37	< 1.0		
Antimony	(Sb)	0.045	< 0.20		
Palladium	(Pd)	< 0.004	< 0.010		
Aluminum	(Al)	13	< 22		
Platinum	(Pt)	< 0.003	< 0.010		
Tungsten	(W)	0.004	< 0.020		
Tin	(Sn)	0.38	< 0.80		
Uranium	(U)	0.016	< 0.20		
Gold	(Au)	0.090	< 0.30		
Tellurium	(Te)	< 0.05	< 0.050		
Germanium	(Ge)	0.037	< 0.045		
Titanium	(Ti)	0.36	< 2.0		
Gadolinium	(Gd)	< 0.001	< 0.008		

**SPECIMEN DATA**

Comments:

Date Collected: 3/25/2012  
 Date Received: 4/5/2012  
 Date Completed: 4/12/2012

Method: ICP-MS  
 <dl: less than detection limit  
 µg/g = ppm

Sample Type: Head  
 Sample Size: 0.202 g  
 Hair Color:  
 Treatment:  
 Shampoo: Jj Baby

Metals are listed in descending priority order based upon data from the Agency for Toxic Substances and Disease Registry which considers not only the relative toxicity per gram metal, but also the frequency for occurrence of exposure.

## **Health history for hair test 705**

**What are your current symptoms and health history?** - My son is diagnosed with autism at 3 and half and now he is 5 years old.

**Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** -no dental history, no amalgams, no wisdom teeth.

**What dental work do you currently have in place? What part of the dental clean-up have you completed?** -My son doesn't have any dental history.

**What dentistry did your mother have at any time before or during pregnancy?** but his mother, me had 3 ceramic teeth when I was pregnant.

**What vaccinations have you had and when (including flu and especially travel shots)?** -My son had all his vaccinations till 3 years old, DTP, MMR, Hep B etc.

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

**What is your age, height and weight?** -He is 5 years, 106 cm and 15 kgs.

**Other information you feel may be relevant?** -He was fine until 18 months and after the last DTP vaccination he began to regress but he actually never spoke, he is non-verbal now.

**What is your location – city & country (so that we can learn where certain toxins are more prevalent).** -I am from Baku, Azerbaijan.