## HAIR ELEMENTS



**PATIENT: Number 451** 

SEX: Male AGE: 5

LOCATION: San Diego, CA, USA

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POTENTIALLY TOXIC ELEMENTS								
TOXIC	RESULT	REFERENCE				PERCENT		
ELEMENTS	μg/g	RANGE			68	tn	95 <sup>th</sup>	
Aluminum	1.8	< 8.0						
Antimony	0.043	< 0.066			)			
Arsenic	0.093	< 0.080				<b>-</b>		
Barium	0.23	< 0.50				·····		
Beryllium	< 0.01	< 0.020		<b>.</b>		·····		
Bismuth	0.013	< 2.0	•					
Cadmium	0.030	< 0.070						
Lead	0.46	< 1.0				·····		
Mercury	0.39	< 0.40						
Platinum	< 0.003	< 0.005	<u> </u>					
Thallium	< 0.001	< 0.002	<u> </u>					
Thorium	< 0.001	< 0.002	<u> </u>	<b>.</b>				
Uranium	0.18	< 0.060						
Nickel	0.08	< 0.20						
Silver	0.09	< 0.20						
Tin	0.17	< 0.30				_		
Titanium	0.58	< 1.0						
Total Toxic Representa	ation							
ESSENTIAL AND OTHER ELEMENTS								
	RESULT	REFERENCE				PERCENT	ILE	
ELEMENTS	μg/g	RANGE	2.5	th	16 <sup>th</sup>	50 <sup>th</sup>		4 <sup>th</sup> 97.5 <sup>th</sup>
Calcium	μ <u>ανν</u> 181	125- 370						. 00
Magnesium	55	12- 30						
Sodium	51	20- 200	······					
Potassium	34	12- 200	<del> </del>	•••••				······································
Copper	15	11- 18	<del> </del>	•••••				······································
Zinc	140	100- 190	<b></b>					
Manganese	0.10	0.10- 0.50	<del> </del>	•••••				······································
Chromium	0.10	0.43- 0.80		•••••				
Vanadium	0.079	0.030- 0.10	<b></b>					
Molybdenum	0.079	0.050- 0.13						
Boron	5.2	0.70- 5.0	<b>-</b>	•••••				······································
Iodine	1.3	0.25- 1.3						
Lithium	0.005	0.007- 0.020			·····			
Phosphorus	181	150- 220	<del>-</del>					
	1.4	0.70- 1.1						
Selenium Strontium		0.16- 1.0						
Sulfur	0.70	45500- 53000						
Cobalt	46800 0.005	0.004- 0.020						
	5.9	7.0- 16	<b></b>					
Iron Germanium		0.030- 0.040						
Rubidium	0.033	0.016- 0.18	<b></b>					
Zirconium	0.037	0.040- 1.0		•••••				•
Zifcolliulli	0.055	PECIMEN DATA						
					RATIOS			
COMMENTS:								EXPECTED
	L4/2011	Sample Size:	0.	.197 g		ELEMENTS	RATIOS	RANGE
	28/2011	Sample Type:	Не	ead		Ca/Mg	3.29	4- 30
Date Completed: 3/4		Hair Color:	Bı	cown		Ca/P	1	0.8- 8
Client Reference: 1267649		Treatment:				Na/K	1.5	0.5- 10
Methodology: ICI	P-MS	Shampoo:	Ca	a Baby		Zn/Cu	9.33	4- 20
					V010.08	Zn/Cd	> 999	> 800

## **Health history for hair test 451**

- 1. Emergency C-section, about 2 weeks late of delivery date, born 10 lbs, 7 ozs, refused Hep B vac at birth; UTI at 2 months old, went to the emergency room w/high fever, spinal tap administered to help with that diagnosis; had trouble breastfeeding, Ped said "has uncoordinated suckle", eventually given soy-based formula at around 6 months old; betwn the age of 1 4.5 years old had regular ear infections, seasonal colds/flu, bouts of eczema; neurologist said he was "okay" when seen for hand stimming at 1 year old; delayed walking until 16 months old; vaccine scheduling was delayed, but (unfortunately) all current now, last vaccine (MMR) received at 2.5 years old, started displaying OCD symptoms, but not diagnosed; diagnosed with mild Asperger's Syndrome, possibly PDD-NOS in 2009; currently, does verbal and physical stimming; slender, not an adventurous eater; toe walks in circles; lines up toys and small items; highly allergic to dust mites and pet dander, is verbal and makes eye contact; last Ped's physical said overall "healthy"; in mom's opinion possibly has leaky gut; not currently GFCF, but very low sugar intake, avoids soy; was given mB12 injections by DAN for 1 month, once a week, stopped due to aggressive behavior and/or hyperness.
- 2. Lots of dental work in December 2010 under general anesthesia: given anti-nausea after procedures; had an abscess; no amalgam, but has steel caps on 4 primary teeth; 3 extractions, all primary teeth; has a rare condition of not having any permanent molars descending to replace the primary Second Molar; had composite fillings for 5 teeth including the capped.
- 3. Four steel caps, no amalgam, don't use fluoride products, 5 composite fillings.
- 4. Mother had 5-6 existing amalgam fillings before pregnancy, one composite cap with no amalgam underneath; 3 wisdom teeth extracted prior to pregnancy; no braces; no dental procedures during pregnancy.
- 5. No flu shots; all U.S. scheduled vaccines are up-to-date; no more vaccines since 2008.
- 6. MegaFood Essentials "Kids & Us Foodbased Mini's multi-vit (3 mini tablets/per day); ChildLife vitamin D3 drops (500 IU/per day); Kirkman Yeast-Aid (1 capsule per day); Pure Advantage mb-12 spray (500 mcg/per day); NSI Milk Thistle drops (166 mg/per day); activated charcoal (1 cap/3x's per day); elderberry syrup diluted in water during cold w/sore throat; Quercetin for allergy symptoms on occasion (60 mg/per day); Metagenics Ultracare for Kids, multi-supp powder (1 scoop/per day in a fruit smoothie occasionally); Epsom salts bath (3x's a week); Periowash Children's oral care (2 gargles/per day).
- 7. 5 years old, 43.5 inches, 41 lbs.
- 8. Mother has high Uranium too. First cousins both toe walk, some hyperness; second cousin diagnosed with Asperger's and dyspraxia, with allergies, respiratory sensitivities and asthma.
- 9. San Diego, CA, suburbs 5 miles north of Miramar Air Force Base.