



PATIENT: Number 570
 SEX: Male
 AGE: 5

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	4.1	< 8.0	
Antimony (Sb)	0.053	< 0.066	
Arsenic (As)	0.095	< 0.080	
Barium (Ba)	0.16	< 0.50	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.011	< 2.0	
Cadmium (Cd)	0.036	< 0.070	
Lead (Pb)	0.51	< 1.0	
Mercury (Hg)	0.17	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.007	< 0.060	
Nickel (Ni)	0.02	< 0.20	
Silver (Ag)	0.21	< 0.20	
Tin (Sn)	0.16	< 0.30	
Titanium (Ti)	0.66	< 1.0	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th		
Calcium (Ca)	160	125- 370			
Magnesium (Mg)	16	12- 30			
Sodium (Na)	220	20- 200			
Potassium (K)	25	12- 200			
Copper (Cu)	16	11- 18			
Zinc (Zn)	140	100- 190			
Manganese (Mn)	0.07	0.10- 0.50			
Chromium (Cr)	0.57	0.43- 0.80			
Vanadium (V)	0.081	0.030- 0.10			
Molybdenum (Mo)	0.047	0.050- 0.13			
Boron (B)	9.4	0.70- 5.0			
Iodine (I)	2.7	0.25- 1.3			
Lithium (Li)	0.069	0.007- 0.020			
Phosphorus (P)	159	150- 220			
Selenium (Se)	0.71	0.70- 1.1			
Strontium (Sr)	0.21	0.16- 1.0			
Sulfur (S)	48800	45500- 53000			
Cobalt (Co)	0.005	0.004- 0.020			
Iron (Fe)	4.5	7.0- 16			
Germanium (Ge)	0.036	0.030- 0.040			
Rubidium (Rb)	0.028	0.016- 0.18			
Zirconium (Zr)	0.77	0.040- 1.0			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 12/22/2011	Sample Size: 0.104 g	Ca/Mg	10
Date Received: 12/28/2011	Sample Type: Head	Ca/P	1.01
Date Completed: 12/29/2011	Hair Color: Blond	Na/K	8.8
Methodology: ICP/MS	Treatment:	Zn/Cu	8.75
	Shampoo: Jj	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 570

What are your current symptoms and health history? 5yo male with ADHD/Sensory Processing, severe chemical and food intolerances that cause aggression, irritability, hyperactivity and sleep disturbances. History of frequent ear infections, tonsillitis and adenoiditis. Has had 2 sets of ear tubes, adenoids out twice and tonsils out once and has a long history with antibiotics.

Dental history: No cavities, brushes with fluoride free toothpaste and receives regular cleanings.

What dental work do you currently have in place? None.

What dentistry did your mother have at any time before or during pregnancy? Several amalgams, most removed before pregnancy but several crowns and root canals (had one root canal and one crown while pregnant)

What vaccinations have you had and when? DTaP/DTP (doses 1-4), Polio (doses 1-3), HIB (doses 1-4), MMR (dose 1 of 2), Hepatitis B (Doses 3 of 3), Varicella (dose 1 of 2), PneumoConju (4 of 4 doses).

Supplements and medications (including dosages) Fluconazole (3ml per day), Transdermal Glutathione (2x per day), 500MG GABA (2X per day), 50MG Zinc (Once per day), Kirkman Lactobacillus Duo (2x per day), No-Fenol (1 capsule 3x per day), Epsom salt baths 4-5x per week.

What is your age, height and weight? 5yo, 43" 53lbs

Other information you feel may be relevant? None

What is your location - city & country Palm Harbor, FL, USA