



PATIENT: Number 639
 SEX: Female
 AGE: 14

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.5	< 8.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.042	< 0.060	
Barium (Ba)	0.51	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.080	< 2.0	
Cadmium (Cd)	0.014	< 0.060	
Lead (Pb)	0.19	< 0.60	
Mercury (Hg)	0.50	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.030	< 0.060	
Nickel (Ni)	0.08	< 0.30	
Silver (Ag)	0.02	< 0.18	
Tin (Sn)	0.04	< 0.30	
Titanium (Ti)	0.21	< 0.60	
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)	792	350- 1000			
Magnesium (Mg)	44	35- 120			
Sodium (Na)	290	18- 180			
Potassium (K)	39	8- 75			
Copper (Cu)	28	11- 37			
Zinc (Zn)	200	150- 230			
Manganese (Mn)	0.10	0.08- 0.60			
Chromium (Cr)	0.42	0.40- 0.65			
Vanadium (V)	0.080	0.020- 0.075			
Molybdenum (Mo)	0.034	0.025- 0.060			
Boron (B)	0.81	0.20- 1.2			
Iodine (I)	0.75	0.25- 1.3			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	125	150- 220			
Selenium (Se)	1.5	0.70- 1.1			
Strontium (Sr)	2.0	0.86- 6.2			
Sulfur (S)	48900	44000- 50000			
Cobalt (Co)	0.008	0.005- 0.040			
Iron (Fe)	9.3	7.0- 16			
Germanium (Ge)	0.032	0.031- 0.040			
Rubidium (Rb)	0.039	0.006- 0.060			
Zirconium (Zr)	0.085	0.025- 0.50			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 6/14/2012	Sample Size: 0.2 g	Ca/Mg	18	4- 30
Date Received: 6/18/2012	Sample Type: Head	Ca/P	6.34	1- 12
Date Completed: 6/26/2012	Hair Color: Brown	Na/K	7.44	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	7.14	4- 20
	Shampoo: Pantene	Zn/Cd	> 999	> 800

Health history for hair test 639

1. past medical history...

no antibodies to thyroid yet had very low free t3 levels so we started treating with cytomel, her reverse t3 was also very high
low adrenal function...needed to take ace or isocort to compensate
at age 3 months she began reoccurring ear infections (damn vaccines)
very fussy infancy
had speech issues and required speech therapy...articulation issues as well as mixing up syllables
dx'd with adhd and mild dyslexia
at age 10 yr she started having SEVERE anxiety and derealization issues..we did NOT seek medical help as i by this time had learned too much about meds and vaccines and so i treated her myself with t3 meds, ace, b complex fish oils, iodine selenium etc...those symptoms completely resolved and she became a happy secure child again
in school some attention issues, slow to learn to read, issues with memorization

current history..

no antibodies to thyroid but remains on thyroid meds combo of naturethroid and cytomel due to low ft3 and its affect on her adrenal function off ACE but is using paul robinson's protocol (circadian method) which uses t3 meds to increase adrenal output..this med is given in wee morning hours before waking time
still some mild issues in focus
still finds it hard to listen in class and to memorize
hard time with organization

2. only dental history are braces removed in early 2011..wears a plastic retainer some nights..never any cavities

3. only wears retainer at bedtime...we learned our lesson..we avoid dentists and doctors!!

4.during pregnancy mom had 2 very small almagam fillings...DAMN!...these were old at time of this pregnancy and had been in place almost 20 yrs by this time...i had no dentistry done during pregnancy

5. vaccinations started at 3 months just like all obedient but dumb mothers do....had all of them...mmr, dpt, hepatitis series, polio, hib, even got this kid chicken pox..

last vaccine was at age 5 yr in 2003

never has had flu shot

6. supplements and medicines

thyroid meds...naturethroid and cytomel

isocort ...on it for part of this 3 month period no longer on it by time of hair test ..was stopped in favor of circadian dosing of t3
thorne basic b complex with mthfr folate, methyl b12 p5p etc
methylcobalamine
selenium
iodoral
fish oil..krill and/or clo
vitamin d3
vitamin e..natural
iron as needed and it is needed periodically
probiotics
multivitamin whole food with digestive enzymes

7. age 14 yr 11 months height 4' 4.5" weight 111 lbs

8. at this time her struggles in school with focus, and staying on task are a concern...also she has not yet started her period and that is starting to concern me a bit...

9. san antonio , texas USA