



PATIENT: Number 896
 SEX: Male
 AGE: 10

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	7.0	< 8.0	
Antimony (Sb)	0.028	< 0.066	
Arsenic (As)	0.039	< 0.080	
Barium (Ba)	0.62	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.60	< 2.0	
Cadmium (Cd)	0.017	< 0.070	
Lead (Pb)	1.1	< 1.0	
Mercury (Hg)	0.86	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.012	< 0.060	
Nickel (Ni)	0.12	< 0.20	
Silver (Ag)	0.08	< 0.14	
Tin (Sn)	0.14	< 0.30	
Titanium (Ti)	1.2	< 0.70	
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)	1170	160- 500	
Magnesium (Mg)	860	12- 50	
Sodium (Na)	210	20- 200	
Potassium (K)	10	12- 140	
Copper (Cu)	12	11- 32	
Zinc (Zn)	240	110- 190	
Manganese (Mn)	0.22	0.08- 0.50	
Chromium (Cr)	0.34	0.40- 0.70	
Vanadium (V)	0.027	0.025- 0.10	
Molybdenum (Mo)	0.026	0.040- 0.090	
Boron (B)	1.2	0.50- 3.5	
Iodine (I)	0.83	0.25- 1.3	
Lithium (Li)	0.008	0.007- 0.020	
Phosphorus (P)	215	150- 220	
Selenium (Se)	0.57	0.70- 1.1	
Strontium (Sr)	3.1	0.21- 2.1	
Sulfur (S)	46700	44000- 51000	
Cobalt (Co)	0.014	0.004- 0.020	
Iron (Fe)	9.2	7.0- 16	
Germanium (Ge)	0.032	0.030- 0.040	
Rubidium (Rb)	0.013	0.008- 0.080	
Zirconium (Zr)	0.098	0.060- 0.70	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 10/17/2013	Sample Size: 0.205 g	Ca/Mg	1.36	4- 30
Date Received: 10/22/2013	Sample Type: Head	Ca/P	5.44	0.8- 8
Date Completed: 10/25/2013	Hair Color:	Na/K	21	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	20	4- 20
	Shampoo: Burts Bees	Zn/Cd	> 999	> 800

Health history for hair test 896

I am about to start AC protocol for our 10 year old son with autism (i.e. start with DMSA first and then add ALA after 10 rounds). Four years ago, we did virtually every biomedical treatments thinking that we can recover him: HBOT, IV chelation, anti-fungal and Valtrex. We did see noticeable improvements with IV chelation and Valtrex but the gains were temporary and didn't continue. Without knowing all of the facts, we were desperate and tried everything but we stopped all treatments four years ago because the results were all temporary with a lot of side effects.

In terms of potential mercury exposure, my wife had a lot of amalgam removed about one year before pregnancy and she also had a lot of tuna during pregnancy without knowing about potential toxicity. We also gave him several vaccines at the same time when he was an infant. Also, I believe that my family has detoxification issue (my uncle has Parkinson and my grandmother had Alzheimers).

Our son's academic/intelligence is good but he can't learn properly because he can't sit still and pay attention for more than few seconds. He has a lot of potential but he can't develop because of his sensory issues. His expressive language is at about 2 or 3 years old (i.e. basic wants/needs) but his receptive language is pretty advanced as he understands a lot of things. He regularly complains that his eyes are dry and are hurting. He also has sulfur issues according to Yasko Nutrigenomic test (i.e. so we are told to chelate 2x/month instead of 1x/week) so we are also advised to cut down on sulphur rich foods.

Attached is a copy of my son's Hair test.

Here are some questions that I would like to get your feedback before starting AC protocol:

- (1) Hair Test – Does this confirm that he has mercury poisoning. Please note that he takes Epsom Salt bath on a regular basis so his Mg reading could be off
- (2) Zeolite – Do you recommend that we use Zeolite (which is recommended by our holistic consultant) along with DMSA/ALA?
- (3) Supplement – We understand that Vit C, Vit E, Mg and Zn are four essential supplements but given his high levels of Mg and Zn in his hair test, we should not give him Mg and Zn. Correct?
- (4) Stainless Crown – He has stainless crown (by 3M) which I confirmed that it is 100% stainless. Should we not start AC chelation until we remove this or can we just start with this SS crown on him. I heard it is safe to chelate but I wanted to double check. Because his sensory issues, we have to sedate him to remove the crown.

Thanks for your help and guidance. If you have any further questions, please let me know.