

HAIR ELEMENTS



PATIENT: Number 145
SEX: Male
AGE: 21
Location: Wyoming, USA

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	5.4	< 7.0		
Antimony	0.018	< 0.066		
Arsenic	0.032	< 0.080		
Beryllium	< 0.01	< 0.020		
Bismuth	0.035	< 2.0		
Cadmium	0.034	< 0.15		
Lead	0.68	< 2.0		
Mercury	< 0.03	< 1.1		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.010		
Thorium	< 0.001	< 0.005		
Uranium	0.12	< 0.060		
Nickel	0.39	< 0.40		
Silver	0.03	< 0.12		
Tin	0.12	< 0.30		
Titanium	0.63	< 1.0		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS							
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	476	200- 750					
Magnesium	71	25- 75					
Sodium	40	12- 90					
Potassium	12	9- 40					
Copper	21	10- 28					
Zinc	200	130- 200					
Manganese	0.21	0.15- 0.65					
Chromium	0.51	0.20- 0.40					
Vanadium	0.031	0.018- 0.065					
Molybdenum	0.060	0.025- 0.064					
Boron	0.51	0.40- 3.0					
Iodine	1.6	0.25- 1.3					
Lithium	0.009	0.007- 0.023					
Phosphorus	227	160- 250					
Selenium	1.7	0.95- 1.7					
Strontium	1.3	0.30- 3.5					
Sulfur	52000	44500- 52000					
Barium	0.23	0.16- 1.6					
Cobalt	0.019	0.013- 0.035					
Iron	14	5.4- 13					
Germanium	0.033	0.045- 0.065					
Rubidium	0.010	0.011- 0.12					
Zirconium	0.21	0.020- 0.44					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 12/18/2007	Sample Size: 0.195 g			Ca/Mg	6.7	4- 30
Date Received: 12/26/2007	Sample Type: Head			Ca/P	2.1	0.8- 8
Date Completed: 1/9/2008	Hair Color: Brown			Na/K	3.33	0.5- 10
	Treatment:			Zn/Cu	9.52	4- 20
Methodology: ICP-MS	Shampoo: Organic			Zn/Cd	> 999	> 800

V06.99

1) Current symptoms and medical history;

PANDAS Pediatric Autoimmune Neuropsychiatric Disorders Associated with Streptococcal Infections
Celiac/Allergy to Gluten and Casien
History of Severe Depression/Bipolar
Severe Anxiety/Social Anxiety/Shyness
Chronic Fatigue
Paradoxical Response to Stress
Brain Fog
Insomnia
ADD
ETC

2) Last Amalgams Removed 11/19/07. Had 4 fillings and a gold crown.
May have had more previously.

3) Supplements; medications and chelating schedule at the time of hair test;

No chelation before hair test
regular supplementation according to Andy's recommendation 3 months before hair test
Vitamin C - Ester C 2g x 5
Milk Thistle Extract - Silymarin 80% 150mg x 5
Folic Acid 800mcg x5
Nacinamide 500mg x5
Magnesium Citrate 200mg x 5
L-Glutamine 1g x 5
B-50 Complex x5
L-Lysine 2g x 5
Zinc Picolinate 50mg x 5
Chromium Picolinate 200mcg x 5 with meals
Inositol 500mg x5
Vitamin E 1200 IU x1
CLA 1600mg x1
CoQ10 100mg x1
Carotenoids x1
Neptune Krill Oil 500mg x1
Flax Oil 5-10g x1
Probiotics 5 tablets x 2

Hydergine 4.5 x 5
Forskolin
ACE
Cod Liver Oil
60g day flax oil