



PATIENT: Number 736
 SEX: Male
 AGE: 6

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	6.2	< 8.0	
Antimony (Sb)	0.042	< 0.066	
Arsenic (As)	0.078	< 0.080	
Barium (Ba)	0.12	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.25	< 2.0	
Cadmium (Cd)	0.010	< 0.070	
Lead (Pb)	0.07	< 1.0	
Mercury (Hg)	0.03	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.002	< 0.060	
Nickel (Ni)	0.06	< 0.20	
Silver (Ag)	0.12	< 0.14	
Tin (Sn)	0.13	< 0.30	
Titanium (Ti)	0.40	< 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)	331	160- 500			
Magnesium (Mg)	57	12- 50			
Sodium (Na)	60	20- 200			
Potassium (K)	25	12- 140			
Copper (Cu)	11	11- 32			
Zinc (Zn)	200	110- 190			
Manganese (Mn)	0.21	0.08- 0.50			
Chromium (Cr)	0.44	0.40- 0.70			
Vanadium (V)	0.052	0.025- 0.10			
Molybdenum (Mo)	0.046	0.040- 0.090			
Boron (B)	14	0.50- 3.5			
Iodine (I)	0.50	0.25- 1.3			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	172	150- 220			
Selenium (Se)	1.0	0.70- 1.1			
Strontium (Sr)	0.15	0.21- 2.1			
Sulfur (S)	49800	44000- 51000			
Cobalt (Co)	0.005	0.004- 0.020			
Iron (Fe)	10	7.0- 16			
Germanium (Ge)	0.028	0.030- 0.040			
Rubidium (Rb)	0.038	0.008- 0.080			
Zirconium (Zr)	0.70	0.060- 0.70			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 02/20/2013	Sample Size: 0.198 g	Ca/Mg	5.81	4- 30
Date Received: 02/25/2013	Sample Type: Head	Ca/P	1.92	0.8- 8
Date Completed: 02/27/2013	Hair Color: Brown	Na/K	2.4	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	18.2	4- 20
	Shampoo: Suave Kids	Zn/Cd	> 999	> 800



HAIR TEST 736 - follow-up

SEX: Male

AGE: 9

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	4.3	< 8.0	
Antimony (Sb)	0.059	< 0.066	
Arsenic (As)	0.93	< 0.080	
Barium (Ba)	0.35	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.008	< 2.0	
Cadmium (Cd)	0.010	< 0.070	
Lead (Pb)	0.19	< 1.0	
Mercury (Hg)	< 0.03	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.002	< 0.060	
Nickel (Ni)	0.09	< 0.20	
Silver (Ag)	0.11	< 0.14	
Tin (Sn)	0.19	< 0.30	
Titanium (Ti)	0.39	< 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)	288	160- 500			
Magnesium (Mg)	18	12- 50			
Sodium (Na)	70	20- 200			
Potassium (K)	40	12- 140			
Copper (Cu)	12	11- 32			
Zinc (Zn)	170	110- 190			
Manganese (Mn)	0.61	0.08- 0.50			
Chromium (Cr)	0.36	0.40- 0.70			
Vanadium (V)	0.034	0.025- 0.10			
Molybdenum (Mo)	0.034	0.040- 0.090			
Boron (B)	17	0.50- 3.5			
Iodine (I)	0.99	0.25- 1.3			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	160	150- 220			
Selenium (Se)	0.79	0.70- 1.1			
Strontium (Sr)	0.32	0.21- 2.1			
Sulfur (S)	46100	44000- 51000			
Cobalt (Co)	0.006	0.004- 0.020			
Iron (Fe)	7.7	7.0- 16			
Germanium (Ge)	0.037	0.030- 0.040			
Rubidium (Rb)	0.045	0.008- 0.080			
Zirconium (Zr)	0.28	0.060- 0.70			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 12/02/2015	Sample Size: 0.199 g	Ca/Mg	16	4- 30
Date Received: 12/09/2015	Sample Type: Head	Ca/P	1.8	0.8- 8
Date Completed: 12/11/2015	Hair Color: Black	Na/K	1.75	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	14.2	4- 20
	Shampoo: Suave	Zn/Cd	> 999	> 800

Hair Test 736 - This is a follow-up to test #736, after 102 rounds.

1. What are your current symptoms and health history? (autism/asperger's)
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) (N/A)
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? stainless steel caps
4. What dentistry did your mother have at any time before or during pregnancy?
1 amalgam
5. What vaccinations have you had and when (including flu and especially travel shots)? fully vaccinated, flu mist in 10/2011
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? magnesium, zinc, vit c
7. What is your age, height and weight? 9yo, 85 lbs, 4'9"
8. Other information you feel may be relevant?
9. What is your location – city & country Arkansas, USA

Health history for hair test 736

1. My son has autism spectrum disorder; OCD; anxiety; aggression; ADHD.
2. He has several silver caps in his mouth; no amalgams.
3. I'm his mother; all composite fillings; I had 1 amalgam removed in 2010; no amalgam present now though.
4. She may have had amalgams.
5. My son has had all routine vaccines.
6. Biotin (15 mg); multi vitamin; GABA (125 MG); pau d arco (500 mg); valerian root (2 ml); magnesium (300 mg); vitamin c (500 mg); zinc (50 mg); cod liver oil (1 tbs); Candex (1/2 cap); pycnogenol (25-50 mg).
7. 6 yo, 53 lbs.
- 8.
9. Little Rock, AR