



PATIENT: Number 747
 SEX: Male
 AGE: 29

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.7	< 12	
Antimony (Sb)	0.010	< 0.080	
Arsenic (As)	0.14	< 0.12	
Barium (Ba)	0.79	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.015	< 2.0	
Cadmium (Cd)	0.021	< 0.065	
Lead (Pb)	0.70	< 1.5	
Mercury (Hg)	0.19	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.001	< 0.060	
Nickel (Ni)	0.08	< 0.40	
Silver (Ag)	0.01	< 0.10	
Tin (Sn)	0.04	< 0.30	
Titanium (Ti)	0.42	< 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)	827	375- 1100			
Magnesium (Mg)	95	40- 140			
Sodium (Na)	570	60- 400			
Potassium (K)	190	28- 160			
Copper (Cu)	13	11- 32			
Zinc (Zn)	200	120- 200			
Manganese (Mn)	0.20	0.15- 0.65			
Chromium (Cr)	0.52	0.40- 0.70			
Vanadium (V)	0.031	0.018- 0.065			
Molybdenum (Mo)	0.027	0.040- 0.080			
Boron (B)	1.8	0.40- 2.5			
Iodine (I)	3.6	0.25- 1.8			
Lithium (Li)	0.059	0.008- 0.030			
Phosphorus (P)	245	200- 300			
Selenium (Se)	0.68	0.80- 1.3			
Strontium (Sr)	2.3	1.0- 6.0			
Sulfur (S)	48000	41000- 47000			
Cobalt (Co)	0.004	0.006- 0.035			
Iron (Fe)	6.6	7.0- 16			
Germanium (Ge)	0.024	0.030- 0.040			
Rubidium (Rb)	0.17	0.030- 0.25			
Zirconium (Zr)	0.012	0.040- 1.0			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 03/07/2013	Sample Size: 0.204 g	Ca/Mg	8.71	4- 30
Date Received: 03/16/2013	Sample Type: Pubic	Ca/P	3.38	0.8- 8
Date Completed: 03/21/2013	Hair Color: Brown	Na/K	3	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	15.4	4- 20
	Shampoo: Baby Soap	Zn/Cd	> 999	> 800

Health history for hair test 747

1. some add, adhd, aspergeres traits through childhood, currently major chronic fatigue, memory problems, cognitive problems, very very hard to treat leaky gut syndrome, candida infection, inability to gain weight, hormonal problems
2. first amalgams in primary school, total 7 amalgams. two removed improperly in 2007, rest 5 removed through teeth extraction (ouch).
3. just 4 composite fillings.
4. dont know of any dentistry before/during pregnancy, but she does have lots of amalgam fillings
5. all childhood vaccinations up to age 19.
6. zinc 50-100mg, magnesium up to 1000mg, vitamin c 5gram, melatonin 3mg, dhea 25-50mg, iodine, a sample of 10 tablets lithium orotate 5mg, + vit e 400iu (not every day)
7. 29yo, 5'11, 123pounds (180cm/56kg)
8. Poland