



PATIENT: Number 542
 SEX: Male
 AGE: 36

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.7	< 7.0	
Antimony (Sb)	0.012	< 0.066	
Arsenic (As)	0.078	< 0.080	
Barium (Ba)	0.08	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.17	< 0.80	
Mercury (Hg)	0.07	< 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)	0.04	< 0.20	
Silver (Ag)	0.01	< 0.08	
Tin (Sn)	0.10	< 0.30	
Titanium (Ti)	0.75	< 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)	407	200- 750			
Magnesium (Mg)	30	25- 75			
Sodium (Na)	420	20- 180			
Potassium (K)	560	9- 80			
Copper (Cu)	7.9	11- 30			
Zinc (Zn)	220	130- 200			
Manganese (Mn)	0.08	0.08- 0.50			
Chromium (Cr)	0.51	0.40- 0.70			
Vanadium (V)	0.075	0.018- 0.065			
Molybdenum (Mo)	0.035	0.025- 0.060			
Boron (B)	7.0	0.40- 3.0			
Iodine (I)	0.26	0.25- 1.8			
Lithium (Li)	0.013	0.007- 0.020			
Phosphorus (P)	204	150- 220			
Selenium (Se)	1.2	0.70- 1.2			
Strontium (Sr)	0.08	0.30- 3.5			
Sulfur (S)	49800	44000- 50000			
Cobalt (Co)	0.004	0.004- 0.020			
Iron (Fe)	7.6	7.0- 16			
Germanium (Ge)	0.029	0.030- 0.040			
Rubidium (Rb)	0.69	0.011- 0.12			
Zirconium (Zr)	0.016	0.020- 0.44			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 10/10/2011		Ca/Mg	13.6
Date Received: 10/21/2011		Ca/P	2
Date Completed: 10/23/2011		Na/K	0.75
Methodology: ICP/MS		Zn/Cu	27.8
Sample Size: 0.199 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Organic			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 542

What are your current symptoms and health history

My current symptoms are as follows. Depression, occasional brain fog, slight fatigue and when I stand a slight sense of imbalance.

From 1994 -2010 I had moderate levels of tension, depression and anxiety. The tension was most notable around my jaw and temple area.

Then in late 2010 both the anxiety and tension became worse. The tension became worse and so did the anxiety levels. I had a tight tension band around my head

and my right foot would jolt, like having an electrical shock. My right eye begun to twitch pretty severely and I also noticed fine tremors appearing on my hands. I always felt cold, in particular my hands would be warm and my feet would be freezing, then my feet would be warm and my hands cold + I also had the beginnings of tinnitus in my right ear. Body temp was never normal either. I had all 10 amalgams including one root canal removed by a mercury free dentist in March of 2011. Then I saw a kinesiologist who tested me for leaky gut. I had a Genova candida saliva test carried out which showed a positive for candida antibodies (IgA) 57.2 U/ml and also had a adrenal stress test which was saliva. The adrenal stress test showed a slightly high stress response. My a.m. level of DHEA was slightly high as well, indicating a stress response. I have also had a DMPS Challenge Test done which indicated both high lead and moderate level of mercury.

Dental history (wisdom teeth removed when?) Any other extractions. First root canal placed.

I had my first amalgam placed in my mouth at the age 13 yrs in 1990, then had my next amalgams put in during the mid - 1990's. I had some more amalgam work done in the late 1990's. I had my wisdom teeth removed in 2005. I had one tooth fully extracted in early 2010. My first root canal was done in March of 2011 during the removal of all of my amalgams. The root canal doesn't have any dental amalgam underneath.

What dental work do you currently have in place. What part of the dental clean up have you completed.

I now have all my fillings replaced with plastic fillings. All mercury has been fully removed.

What dentistry did your mother have at the time before or during pregnancy?.

My mother had amalgams in place before and during pregnancy.

What vaccinations have you had as a child (including flu shots, especially travel shots)?

I had the hooping cough, measles/mumps vaccinations in the early 1980's. I have also had the tetanus jab.

Supplements and medication (including dosages) taken at the time of the hair test or for the first 3 - 6 months before the sample was taken.

Supplements for leaky gut.

Borage Oil 240mg 2 times daily

Vit C 1,000mg 1 cap x3 daily

Copper 2mg 3 times daily

Vit A 10,000 1 daily

Vit D 50,000 1 daily

Zinc 15mg 3 times daily

Quercetin 250mg 2 daily

N.A.G 1000mg 1 daily

Ginkgo 160mg 1daily

Peptic Care ZC 1 daily

Vit E 400 I.U. 1 daily

L - glutamine powder 8-10gms daily

NAC 600mg 1daily

What is your age, height and weight?

36yrs, 178.5cm and 130lbs

What is your location - city & country (so that we can learn where certain toxins are more prevalent).

Cornwall, UK