

HAIR ELEMENTS



PATIENT: Number 422
SEX: Female
AGE: 32
LOCATION: Waverly, NY, USA

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	1.4	< 7.0		
Antimony	0.012	< 0.050		
Arsenic	0.017	< 0.060		
Beryllium	< 0.01	< 0.020		
Bismuth	0.014	< 2.0		
Cadmium	0.019	< 0.10		
Lead	0.87	< 1.0		
Mercury	0.19	< 1.1		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.010		
Thorium	< 0.001	< 0.005		
Uranium	0.015	< 0.060		
Nickel	0.07	< 0.40		
Silver	0.12	< 0.15		
Tin	0.80	< 0.30		
Titanium	0.32	< 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	1450	300- 1200					
Magnesium	49	35- 120					
Sodium	21	12- 90					
Potassium	27	8- 38					
Copper	81	12- 35					
Zinc	170	140- 220					
Manganese	0.07	0.15- 0.65					
Chromium	0.30	0.20- 0.40					
Vanadium	0.011	0.018- 0.065					
Molybdenum	0.027	0.028- 0.056					
Boron	0.39	0.30- 2.0					
Iodine	0.21	0.25- 1.3					
Lithium	< 0.004	0.007- 0.023					
Phosphorus	166	160- 250					
Selenium	0.81	0.95- 1.7					
Strontium	1.1	0.50- 7.6					
Sulfur	49900	44500- 52000					
Barium	1.4	0.26- 3.0					
Cobalt	0.006	0.013- 0.050					
Iron	10	5.4- 14					
Germanium	0.027	0.045- 0.065					
Rubidium	0.028	0.007- 0.096					
Zirconium	0.075	0.020- 0.42					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 6/27/2008	Sample Size: 0.197 g			Ca/Mg	29.6	4- 30
Date Received: 7/1/2008	Sample Type: Head			Ca/P	8.73	1- 12
Date Completed: 7/5/2008	Hair Color: Blond			Na/K	0.778	0.5- 10
	Treatment:			Zn/Cu	2.1	4- 20
Methodology: ICP-MS	Shampoo: Equate Provitamin			Zn/Cd	> 999	> 800
	V06.99					

HAIR ELEMENTS



PATIENT: Number 422 - Second hair test
SEX: Female
AGE: 33

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	1.0	< 7.0		
Antimony	0.015	< 0.050		
Arsenic	0.025	< 0.060		
Barium	0.50	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.18	< 2.0		
Cadmium	< 0.009	< 0.050		
Lead	0.28	< 0.60		
Mercury	< 0.03	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.011	< 0.060		
Nickel	0.05	< 0.30		
Silver	0.02	< 0.15		
Tin	0.04	< 0.30		
Titanium	0.07	< 0.70		
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	721	300- 1200					
Magnesium	30	35- 120					
Sodium	21	20- 250					
Potassium	21	8- 75					
Copper	64	11- 37					
Zinc	270	140- 220					
Manganese	0.05	0.08- 0.60					
Chromium	0.28	0.40- 0.65					
Vanadium	0.017	0.018- 0.065					
Molybdenum	0.028	0.020- 0.050					
Boron	0.28	0.25- 1.5					
Iodine	0.13	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	172	150- 220					
Selenium	0.81	0.55- 1.1					
Strontium	0.54	0.50- 7.6					
Sulfur	48200	44000- 50000					
Cobalt	0.006	0.005- 0.040					
Iron	5.8	7.0- 16					
Germanium	0.015	0.030- 0.040					
Rubidium	0.019	0.007- 0.096					
Zirconium	0.13	0.020- 0.42					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 5/29/2009	Sample Size: 0.196 g			Ca/Mg	24	4- 30
Date Received: 6/2/2009	Sample Type: Head			Ca/P	4.19	1- 12
Date Completed: 6/3/2009	Hair Color: Blond			Na/K	1	0.5- 10
Client Reference:	Treatment:			Zn/Cu	4.22	4- 20
Methodology: ICP-MS	Shampoo: Dove			Zn/Cd	> 999	> 800
V010.08						

Health history for hair test 422

What are your current symptoms and health history?

I had 8 amalgam fillings removed in January of 2009. I was put on a very limited detox protocol, but started feeling great almost immediately. With the help of a doctor who was miles away, I began supplementing with cortisol and naturethroid. I was feeling wonderful. In August I became pregnant with my third child. Chelation stopped. My doctor recommended I stop the cortisol and I started getting heart palpitations on the thyroid medication. I stopped all supplements and only took a prenatal vitamin when I could. I was extremely sick the whole pregnancy. I feel like I have been in a downward spiral ever since. My symptoms are mostly emotional right now. I cry easily, am depressed, and have terrible anxiety. I believe I still have a yeast issue and I am sensitive to most everything that I eat. I have given up trying to figure out what I am allergic or sensitive to. I get a rash and headache when I eat eggs in any form.

My symptoms prior amalgam removal were great.

Dysbiosis
Heartburn
Thrush (when breastfeeding)
Fatigue
Achy muscles
Joint pain (mostly knees)
Low back pain (sometimes severe)
Dysmenorrhea
Vaginitis
Gas
Food sensitivities
Lock jaw
Grinding teeth
Headaches

History plus things I have been “diagnosed” with by a doctor:

Childhood: (1976-1994)

All Routine Vaccinations
Tubes in ears
Fell down the stairs when I was 4 and was hospitalized (bruised the whole left right side of my face)
Told I had weak teeth and TMJ
Many amalgam fillings placed
Antibiotic treatment several times

In College: (1994-1999)

Hypoglycemia
Irritable bowel syndrome
Chronic fatigue
Wisdom teeth removed

After marriage: 1999-present

Infertility (6 years)
Miscarriage (2)
Candidiasis
Adrenal fatigue

Hormonal imbalance (specifically low progesterone)
Insulin resistance (last fasting insulin level was 21, fasting glucose was normal)
Polycystic Ovarian Syndrome (elevated testosterone level)
Dysmenorrhea
3 root canals
Severe heartburn, which started after the delivery of my son in March 2005.

Most recently while being treated with Kinesiology and Nutrition:

Endometriosis
Compromised liver, gallbladder and adrenals (very weak)
Multiple food allergies

Pasteurized Milk	Eggs
Wheat	Spelt
Rye	Oats
Whole grain mix	Sugar
White rice	Brown rice
Corn	Soy
Food preservatives	Pesticides
Aspartame	

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

I had my wisdom teeth removed in College, so I believe that was in 1998. I had an infection after removal and was put on antibiotics and some serious pain killers. I have had 3 additional extractions, 3 root canals (one of which was removed during my amalgam removal), and my first amalgam filling when I was 8 years old.

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

I had all 8 amalgam fillings removed in January of 2009. One tooth with a filling was removed and I now have 7 composite fillings and 2 root canals. The dentist would like to remove the 2 remaining root canaled teeth and put a bridge in my mouth, but I have not done so yet. Two of the teeth that would have to be removed are right in the front and I just can't bring myself to do it.

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

She has amalgam fillings and now has a bridge in the front with all her front teeth removed.

What vaccinations have you had and when (including flu and especially travel shots)?

I cannot find my vaccination records, but I was born in 1976 and received all recommended vaccinations. I received a DT booster in college in 1998. I had a flu vaccine when I was pregnant with my son in 2004. This is the vaccination schedule I found online for 1976

2 months: DTP, TOPV (trivalent oral polio virus)

4 months: DTP, TOPV

6 months: DTP, TOPV

1 year: Measles, TB test

1-12 years: Rubella, Mumps

1 1/2 years: DTP, TOPV

4-6 years: DTP, TOPV

Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?

None

What is your age, height and weight?

34-year-old female, 5'4", 170 lbs.

Other information you feel may be relevant?

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

Waverly, NY, USA