



PATIENT: Number 614
 SEX: Female
 AGE: 60

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.3	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.057	< 0.060	
Barium (Ba)	0.07	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.003	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.09	< 0.60	
Mercury (Hg)	0.79	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.020	< 0.060	
Nickel (Ni)	0.02	< 0.30	
Silver (Ag)	0.01	< 0.15	
Tin (Sn)	< 0.02	< 0.30	
Titanium (Ti)	0.22	< 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)	342	300- 1200	
Magnesium (Mg)	30	35- 120	
Sodium (Na)	19	20- 250	
Potassium (K)	3	8- 75	
Copper (Cu)	10	11- 37	
Zinc (Zn)	230	140- 220	
Manganese (Mn)	0.05	0.08- 0.60	
Chromium (Cr)	0.46	0.40- 0.65	
Vanadium (V)	0.020	0.018- 0.065	
Molybdenum (Mo)	0.019	0.020- 0.050	
Boron (B)	1.2	0.25- 1.5	
Iodine (I)	2.3	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	188	150- 220	
Selenium (Se)	0.81	0.55- 1.1	
Strontium (Sr)	0.35	0.50- 7.6	
Sulfur (S)	49000	44000- 50000	
Cobalt (Co)	0.009	0.005- 0.040	
Iron (Fe)	6.7	7.0- 16	
Germanium (Ge)	0.037	0.030- 0.040	
Rubidium (Rb)	0.004	0.007- 0.096	
Zirconium (Zr)	0.029	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 04/18/2012	Sample Size: 0.198 g	Ca/Mg	11.4
Date Received: 04/21/2012	Sample Type: Head	Ca/P	1.82
Date Completed: 04/25/2012	Hair Color: Brown	Na/K	6.33
Methodology: ICP/MS	Treatment:	Zn/Cu	23
	Shampoo: Nature	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800



PATIENT: Number 614 Follow-up
 SEX: Female
 AGE: 61

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.9	< 12	
Antimony (Sb)	0.013	< 0.060	
Arsenic (As)	0.062	< 0.090	
Barium (Ba)	0.44	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.022	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.11	< 1.0	
Mercury (Hg)	0.40	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.019	< 0.060	
Nickel (Ni)	0.06	< 0.40	
Silver (Ag)	0.11	< 0.10	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.83	< 1.3	
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)	928	475- 1500			
Magnesium (Mg)	77	45- 180			
Sodium (Na)	450	80- 450			
Potassium (K)	140	28- 160			
Copper (Cu)	13	11- 30			
Zinc (Zn)	170	130- 200			
Manganese (Mn)	0.06	0.15- 0.65			
Chromium (Cr)	0.34	0.40- 0.65			
Vanadium (V)	0.024	0.018- 0.065			
Molybdenum (Mo)	0.026	0.040- 0.10			
Boron (B)	1.0	0.40- 4.0			
Iodine (I)	7.9	0.25- 1.8			
Lithium (Li)	0.014	0.008- 0.030			
Phosphorus (P)	597	250- 500			
Selenium (Se)	0.77	0.80- 1.3			
Strontium (Sr)	2.3	1.0- 8.0			
Sulfur (S)	47000	42000- 48000			
Cobalt (Co)	0.010	0.006- 0.035			
Iron (Fe)	5.6	7.0- 16			
Germanium (Ge)	0.031	0.030- 0.040			
Rubidium (Rb)	0.12	0.030- 0.25			
Zirconium (Zr)	0.076	0.040- 1.0			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 02/23/2013	Sample Size: 0.199 g	Ca/Mg	12.1
Date Received: 03/01/2013	Sample Type: Pubic	Ca/P	1.55
Date Completed: 03/07/2013	Hair Color: Gray	Na/K	3.21
Methodology: ICP/MS	Treatment:	Zn/Cu	13.1
	Shampoo: Nature Clean	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800



SEX: Female
AGE: 63

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.8	< 12	
Antimony (Sb)	0.012	< 0.060	
Arsenic (As)	0.12	< 0.090	
Barium (Ba)	0.90	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.13	< 1.0	
Mercury (Hg)	0.18	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.012	< 0.060	
Nickel (Ni)	0.05	< 0.40	
Silver (Ag)	0.06	< 0.10	
Tin (Sn)	0.04	< 0.30	
Titanium (Ti)	1.1	< 1.3	
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)	1120	475- 1500			
Magnesium (Mg)	180	45- 180			
Sodium (Na)	800	80- 450			
Potassium (K)	400	28- 160			
Copper (Cu)	15	11- 30			
Zinc (Zn)	150	130- 200			
Manganese (Mn)	0.07	0.15- 0.65			
Chromium (Cr)	0.43	0.40- 0.65			
Vanadium (V)	0.054	0.018- 0.065			
Molybdenum (Mo)	0.025	0.040- 0.10			
Boron (B)	2.8	0.40- 4.0			
Iodine (I)	5.4	0.25- 1.8			
Lithium (Li)	0.011	0.008- 0.030			
Phosphorus (P)	610	250- 500			
Selenium (Se)	0.88	0.80- 1.3			
Strontium (Sr)	3.4	1.0- 8.0			
Sulfur (S)	48100	42000- 48000			
Cobalt (Co)	0.012	0.006- 0.035			
Iron (Fe)	8.0	7.0- 16			
Germanium (Ge)	0.025	0.030- 0.040			
Rubidium (Rb)	0.39	0.030- 0.25			
Zirconium (Zr)	0.030	0.040- 1.0			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 10/25/2014		Ca/Mg	6.22
Date Received: 10/31/2014		Ca/P	1.84
Date Completed: 11/01/2014		Na/K	2
Methodology: ICP/MS		Zn/Cu	10
Sample Size: 0.2 g	Sample Type: Pubic	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Nature Clean			
		RANGE	
		4- 30	
		1- 12	
		0.5- 10	
		4- 20	
		> 800	

Toxic & Essential Elements; Hair

A+B = U
0x2 B12

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.8	< 7.0	---
Antimony (Sb)	< 0.01	< 0.050	---
Arsenic (As)	0.032	< 0.060	---
Barium (Ba)	0.15	< 2.0	---
Beryllium (Be)	< 0.01	< 0.020	---
Bismuth (Bi)	0.008	< 2.0	---
Cadmium (Cd)	< 0.009	< 0.050	---
Lead (Pb)	0.07	< 0.60	---
Mercury (Hg)	0.25	< 0.80	---
Platinum (Pt)	< 0.003	< 0.005	---
Thallium (Tl)	< 0.001	< 0.002	---
Thorium (Th)	< 0.001	< 0.002	---
Uranium (U)	0.036	< 0.060	---
Nickel (Ni)	0.03	< 0.30	---
Silver (Ag)	0.01	< 0.15	---
Tin (Sn)	0.05	< 0.30	---
Titanium (Ti)	0.29	< 0.70	---
Total Toxic Representation			

A1288C Cap+
PSYPERC + DHA +
Ultimate B1
All in One
DHA 50%
+ Metal Away
Ult Sand + Quercetin
MitoForce + Riboflavin
S. phos

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th
Calcium (Ca)	408	300- 1200	---
Magnesium (Mg)	31	35- 120	---
Sodium (Na)	12	20- 250	---
Potassium (K)	4	8- 75	---
Copper (Cu)	24	11- 37	---
Zinc (Zn)	200	140- 220	---
Manganese (Mn)	0.05	0.08- 0.60	---
Chromium (Cr)	0.30	0.40- 0.65	---
Vanadium (V)	0.010	0.018- 0.065	---
Molybdenum (Mo)	0.013	0.020- 0.050	---
Boron (B)	0.16	0.25- 1.5	---
Iodine (I)	1.8	0.25- 1.8	---
Lithium (Li)	< 0.004	0.007- 0.020	---
Phosphorus (P)	172	150- 220	---
Selenium (Se)	0.63	0.55- 1.1	---
Strontium (Sr)	0.76	0.50- 7.6	---
Sulfur (S)	45800	44000- 50000	---
Cobalt (Co)	0.012	0.005- 0.040	---
Iron (Fe)	5.7	7.0- 16	---
Germanium (Ge)	0.035	0.030- 0.040	---
Rubidium (Rb)	< 0.003	0.007- 0.096	---
Zirconium (Zr)	0.049	0.020- 0.42	---

+ Magnesium
+ Potassium
+ Zinc lozange
All in One
Fok Cap
MTC cap
All in One +
Be Calm +
Lithium
@ probate +
MITOFORCE
+ Potassium +
MITOFORCE

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 02/26/2015		Ca/Mg	13.2	4- 30
Date Received: 03/02/2015		Ca/P	2.37	1- 12
Date Completed: 03/06/2015		Na/K	3	0.5- 10
Methodology: ICP/MS		Zn/Cu	8.33	4- 20
Sample Size: 0.197 g		Zn/Cd	> 999	> 800
Sample Type: Head				
Hair Color: Gray				
Treatment:				
Shampoo: Nature Clean				

Run HMT
with head
hair every
2-3 d

months to
closely check
lithium & potassium

As always, work with your Doctor.
With love & hope, Dr. Amy
Refer to
your
doctor

Health history for hair test 614

1) What are your current symptoms and health history?

I am very electro-sensitive, suffer from intestinal malabsorption (I have lost more than 45 pounds in the last nine months), I am also quite sure I have leaky gut (although I cannot take the test to prove it as I am on a lactose restricted diet). I have recently begun implementing some of the recommendations in the GAPS diet and, although I am still losing weight, my electro-sensitivity is getting better.

I also experience a burning feeling in my eyes and body if I eat certain high thiol foods.

Unfortunately, I am becoming sensitive to all the supplements I was taking (magnesium citrate and glycinate, vitamin C in both ascorbic acid and calcium ascorbate form) as it seems my body cannot tolerate any of the additives. Vitamins D and E are toxic to me at very low levels.

I also cannot tolerate Milk Thistle, Zinc and Selenium.

The only thing I can tolerate, if not too often are Epsom salt baths.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam

etc...)

I had my first amalgam filling when I was around 7 years old, had my wisdom teeth pulled when I was 18 I believe, and lived for 45+years with 16+ mercury fillings in my mouth.

They were all removed by a holistic dentist in September and October 2011 as they were making my life hell (I was like a living antenna - every time I would be near a cell phone tower, radio or tv towers or a strong source of EMF, my teeth would feel like they were going to explode. Moreover, it was like my teeth were picking up and radiating the electric waves nonstop to my brain. On bad days, I was even able to pick up some telephone conversations!)

As soon as the dental work started, these symptoms started to abate.

3) What dental work do you currently have in place? What part of the dental cleanup have you

completed?

They were all removed by a holistic dentist in September and October 2011 as they were making my life hell (I was like a living antenna - every time I would be near a cell phone tower, radio or tv towers or a strong source of EMF, my teeth would ache terribly and feel like they were going to explode. Moreover, it was like my teeth were picking up and radiating the electric waves nonstop to my brain. On bad days, I was even able to pick up some telephone conversations!)

As soon as the dental work started, these symptoms started to abate. However, in trying to build up the level of antioxidants to that recommended in AI, I suffered a major vitamin E and D intoxication and subsequently crashed.

I no longer have any mercury fillings and all my teeth are now in composite materials that are bio-compatible for me. (I have a great dentist!)

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

I don't know but I suspect she had amalgams in her mouth like we all did at the time.

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

I had all the usual children vaccinations and, in 2010, I had the first 2 doses of an Hepatitis vaccine (can't remember if it was B or C), and a vaccination against the Chinese flu when I was 18 (was never so sick from the flu in my life as a result and have never had another one since. I have had tetanus shots on a number of occasions, the last time being about 8 years ago.

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

In the last 6 months, I have taken magnesium glycinate/citrate (up to 650 mg), vitamin C (ascorbic acid with bioflavonoids- up to 1500 mg, and calcium ascorbate - up to 3000mg), Zinc, 15 mg, Vitamin E (400 IU), Selenomethionine (55 mcg), Milk Thistle - 3 capsules a day, vit D3 - 1000.

I can no longer tolerate any of them.

In December and January, tried HC at very low levels after crashing and became intoxicated at 5 mg per day and had to be weaned off. I actually felt much worse on it than without.

7) Other information you feel may be relevant?

I remember playing with the mercury of broken thermometers as a child. We all thought it was harmless and a lot of fun to try and grab these little pieces of mercury in the sink that never wanted to be caught!

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

I live on the South Shore of Montreal, in the province of Québec, in Canada.