



PATIENT: Number 865
 SEX: Female
 AGE: 32

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.7	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.044	< 0.060	
Barium (Ba)	1.2	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.019	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.14	< 0.60	
Mercury (Hg)	0.20	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.022	< 0.060	
Nickel (Ni)	0.13	< 0.30	
Silver (Ag)	0.05	< 0.15	
Tin (Sn)	0.17	< 0.30	
Titanium (Ti)	0.26	< 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)	1360	300- 1200	
Magnesium (Mg)	63	35- 120	
Sodium (Na)	18	20- 250	
Potassium (K)	3	8- 75	
Copper (Cu)	26	11- 37	
Zinc (Zn)	170	140- 220	
Manganese (Mn)	0.12	0.08- 0.60	
Chromium (Cr)	0.32	0.40- 0.65	
Vanadium (V)	0.023	0.018- 0.065	
Molybdenum (Mo)	0.035	0.020- 0.050	
Boron (B)	0.63	0.25- 1.5	
Iodine (I)	1.8	0.25- 1.8	
Lithium (Li)	0.005	0.007- 0.020	
Phosphorus (P)	156	150- 220	
Selenium (Se)	0.56	0.55- 1.1	
Strontium (Sr)	3.7	0.50- 7.6	
Sulfur (S)	47800	44000- 50000	
Cobalt (Co)	0.063	0.005- 0.040	
Iron (Fe)	9.7	7.0- 16	
Germanium (Ge)	0.016	0.030- 0.040	
Rubidium (Rb)	0.006	0.007- 0.096	
Zirconium (Zr)	0.036	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 10/03/2013		Ca/Mg	21.6
Date Received: 10/12/2013		Ca/P	8.72
Date Completed: 10/16/2013		Na/K	6
Methodology: ICP/MS		Zn/Cu	6.54
Sample Size: 0.2 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Yes To Cucumbers			
		RANGE	
		4- 30	
		1- 12	
		0.5- 10	
		4- 20	
		> 800	



SEX: Female
AGE: 33

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.1	< 12	
Antimony (Sb)	0.028	< 0.060	
Arsenic (As)	0.034	< 0.090	
Barium (Ba)	0.19	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.042	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.34	< 1.0	
Mercury (Hg)	0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.002	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.029	< 0.060	
Nickel (Ni)	0.06	< 0.40	
Silver (Ag)	0.01	< 0.10	
Tin (Sn)	0.04	< 0.30	
Titanium (Ti)	0.59	< 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)	284	475- 1500	
Magnesium (Mg)	91	45- 180	
Sodium (Na)	42	80- 450	
Potassium (K)	33	28- 160	
Copper (Cu)	16	11- 30	
Zinc (Zn)	190	130- 200	
Manganese (Mn)	0.12	0.15- 0.65	
Chromium (Cr)	0.32	0.40- 0.65	
Vanadium (V)	0.015	0.018- 0.065	
Molybdenum (Mo)	0.053	0.040- 0.10	
Boron (B)	0.42	0.40- 4.0	
Iodine (I)	0.14	0.25- 1.8	
Lithium (Li)	0.013	0.008- 0.030	
Phosphorus (P)	234	250- 500	
Selenium (Se)	0.56	0.80- 1.3	
Strontium (Sr)	0.68	1.0- 8.0	
Sulfur (S)	43900	42000- 48000	
Cobalt (Co)	0.005	0.006- 0.035	
Iron (Fe)	6.0	7.0- 16	
Germanium (Ge)	0.028	0.030- 0.040	
Rubidium (Rb)	0.045	0.030- 0.25	
Zirconium (Zr)	0.058	0.040- 1.0	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 01/07/2015	Sample Size: 0.199 g	Ca/Mg	3.12
Date Received: 01/17/2015	Sample Type: Pubic	Ca/P	1.21
Date Completed: 01/19/2015	Hair Color:	Na/K	1.27
Methodology: ICP/MS	Treatment:	Zn/Cu	11.9
	Shampoo:	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 865

What are your current symptoms and health history?

Trouble with hormone production since February 2013. Had no menses for 6 months. Recently started Hormone Replacement Therapy.

Lost 30 lbs in February after going into anaphylactic shock. Went from 127 to 98lbs then back up to 135 lbs since.

Tired most of the time before supplements were started. Lots of body pain that woke me up at night. Depression. No Libido. Volatile moods. Ear itching. Oral infections (white tongue). Severe constipation. Pain under right rib cage. Inability to focus. Avoidance of friends and family. Discomfort in social situations. Unable to get out of bed and go to work.

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

Wisdom teeth were surgically extracted 11 years ago (19y/o). 3 teeth extracted 17 years ago (15y/o) 6-8 amalgam fillings placed between the ages of 8-11. Removal and switching out began 3 years ago. All but one were unsafely removed. No crowns. I have absolutely minimal childhood memories, wonder if this is related to the amalgam.

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

Now I have 6-8 composite fillings.

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

a mouth full of amalgam.

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

The flu shot once, Hep B, an experimental one for UTIs given in February 2013 and a booster MMR as an adult.

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

Mg 375mg/day, Ca 450mg, Vit A 10000IU, Vit B complex 2x/day, Vit C 2500mg, Vit D 5,000IU, Vit E 100IU, Zn 50 mg. All supplements are taken in split doses except E.

What is your age, height and weight?

32, 64 inches tall, 135lbs

Other information you feel may be relevant?

I developed histamine intolerance and "menopause" the same month (Feb 2013) after receiving the UTI vaccine containing mercury and having a filling unsafely removed (the second to last one) Problems started 1-2 weeks after these 2 events. I feel almost normal after adding supplements and hormones.

I've had GI issues for years. IBS related symptoms mostly.

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

I grew up in Louisiana, spent 10 years in MD and have lived in Germany for 4 years.