



PATIENT: Number 934
 SEX: Female
 AGE: 56

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.3	< 7.0	
Antimony (Sb)	0.018	< 0.050	
Arsenic (As)	0.20	< 0.060	
Barium (Ba)	0.04	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.24	< 0.60	
Mercury (Hg)	0.10	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.018	< 0.060	
Nickel (Ni)	0.04	< 0.30	
Silver (Ag)	< 0.006	< 0.15	
Tin (Sn)	< 0.02	< 0.30	
Titanium (Ti)	0.14	< 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)	191	300- 1200	
Magnesium (Mg)	24	35- 120	
Sodium (Na)	340	20- 250	
Potassium (K)	3	8- 75	
Copper (Cu)	9.9	11- 37	
Zinc (Zn)	190	140- 220	
Manganese (Mn)	0.12	0.08- 0.60	
Chromium (Cr)	0.33	0.40- 0.65	
Vanadium (V)	< 0.008	0.018- 0.065	
Molybdenum (Mo)	0.023	0.020- 0.050	
Boron (B)	0.33	0.25- 1.5	
Iodine (I)	0.08	0.25- 1.8	
Lithium (Li)	0.018	0.007- 0.020	
Phosphorus (P)	153	150- 220	
Selenium (Se)	0.49	0.55- 1.1	
Strontium (Sr)	0.30	0.50- 7.6	
Sulfur (S)	48300	44000- 50000	
Cobalt (Co)	0.021	0.005- 0.040	
Iron (Fe)	14	7.0- 16	
Germanium (Ge)	0.031	0.030- 0.040	
Rubidium (Rb)	< 0.003	0.007- 0.096	
Zirconium (Zr)	< 0.007	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 10/22/2013	Sample Size: 0.204 g	Ca/Mg	7.96
Date Received: 10/25/2013	Sample Type: Head	Ca/P	1.25
Date Completed: 10/29/2013	Hair Color: Blond	Na/K	113
Methodology: ICP/MS	Treatment:	Zn/Cu	19.2
	Shampoo: Shikai	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800



Hair Test 934 - follow-up hair test

SEX: Female

AGE: 57

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)		0.4	< 7.0	
Antimony (Sb)		0.019	< 0.050	
Arsenic (As)		0.20	< 0.060	
Barium (Ba)		0.04	< 2.0	
Beryllium (Be)		< 0.01	< 0.020	
Bismuth (Bi)		0.003	< 2.0	
Cadmium (Cd)		< 0.009	< 0.050	
Lead (Pb)		0.14	< 0.60	
Mercury (Hg)		< 0.03	< 0.80	
Platinum (Pt)		< 0.003	< 0.005	
Thallium (Tl)		< 0.001	< 0.002	
Thorium (Th)		< 0.001	< 0.002	
Uranium (U)		0.017	< 0.060	
Nickel (Ni)		0.04	< 0.30	
Silver (Ag)		< 0.006	< 0.15	
Tin (Sn)		< 0.02	< 0.30	
Titanium (Ti)		0.27	< 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)		160	300- 1200		
Magnesium (Mg)		24	35- 120		
Sodium (Na)		370	20- 250		
Potassium (K)		< 3	8- 75		
Copper (Cu)		10	11- 37		
Zinc (Zn)		210	140- 220		
Manganese (Mn)		0.10	0.08- 0.60		
Chromium (Cr)		0.27	0.40- 0.65		
Vanadium (V)		0.010	0.018- 0.065		
Molybdenum (Mo)		0.027	0.020- 0.050		
Boron (B)		0.56	0.25- 1.5		
Iodine (I)		0.29	0.25- 1.8		
Lithium (Li)		0.027	0.007- 0.020		
Phosphorus (P)		156	150- 220		
Selenium (Se)		0.65	0.55- 1.1		
Strontium (Sr)		0.40	0.50- 7.6		
Sulfur (S)		48100	44000- 50000		
Cobalt (Co)		0.019	0.005- 0.040		
Iron (Fe)		11	7.0- 16		
Germanium (Ge)		0.035	0.030- 0.040		
Rubidium (Rb)		0.004	0.007- 0.096		
Zirconium (Zr)		0.011	0.020- 0.42		

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 05/17/2014		Ca/Mg	6.67
Date Received: 05/22/2014		Ca/P	1.03
Date Completed: 05/24/2014		Na/K	123
Methodology: ICP/MS		Zn/Cu	21
Sample Size: 0.205 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Blond	Treatment:		
Shampoo: Shikai Gold			
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800



SEX: Female
AGE: 57

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.9	< 7.0	
Antimony (Sb)	0.019	< 0.050	
Arsenic (As)	0.16	< 0.060	
Barium (Ba)	0.04	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.17	< 0.60	
Mercury (Hg)	< 0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.016	< 0.060	
Nickel (Ni)	0.03	< 0.30	
Silver (Ag)	< 0.006	< 0.15	
Tin (Sn)	< 0.02	< 0.30	
Titanium (Ti)	0.37	< 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)	227	300- 1200			
Magnesium (Mg)	27	35- 120			
Sodium (Na)	230	20- 250			
Potassium (K)	4	8- 75			
Copper (Cu)	11	11- 37			
Zinc (Zn)	220	140- 220			
Manganese (Mn)	0.08	0.08- 0.60			
Chromium (Cr)	0.32	0.40- 0.65			
Vanadium (V)	0.012	0.018- 0.065			
Molybdenum (Mo)	0.028	0.020- 0.050			
Boron (B)	0.26	0.25- 1.5			
Iodine (I)	0.06	0.25- 1.8			
Lithium (Li)	0.028	0.007- 0.020			
Phosphorus (P)	164	150- 220			
Selenium (Se)	0.58	0.55- 1.1			
Strontium (Sr)	0.41	0.50- 7.6			
Sulfur (S)	49100	44000- 50000			
Cobalt (Co)	0.013	0.005- 0.040			
Iron (Fe)	7.9	7.0- 16			
Germanium (Ge)	0.031	0.030- 0.040			
Rubidium (Rb)	0.003	0.007- 0.096			
Zirconium (Zr)	0.010	0.020- 0.42			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 11/28/2014	Sample Size: 0.196 g	Ca/Mg	8.41	4- 30
Date Received: 12/01/2014	Sample Type: Head	Ca/P	1.38	1- 12
Date Completed: 12/05/2014	Hair Color: Blond	Na/K	57.5	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	20	4- 20
	Shampoo: Shikai	Zn/Cd	> 999	> 800

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.0	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.13	< 0.060	
Barium (Ba)	< 0.04	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.24	< 0.60	
Mercury (Hg)	< 0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.017	< 0.060	
Nickel (Ni)	0.02	< 0.30	
Silver (Ag)	< 0.006	< 0.15	
Tin (Sn)	< 0.02	< 0.30	
Titanium (Ti)	0.20	< 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)	152	300- 1200	
Magnesium (Mg)	28	35- 120	
Sodium (Na)	340	20- 250	
Potassium (K)	3	8- 75	
Copper (Cu)	10	11- 37	
Zinc (Zn)	200	140- 220	
Manganese (Mn)	0.06	0.08- 0.60	
Chromium (Cr)	0.30	0.40- 0.65	
Vanadium (V)	< 0.008	0.018- 0.065	
Molybdenum (Mo)	0.022	0.020- 0.050	
Boron (B)	0.40	0.25- 1.5	
Iodine (I)	0.41	0.25- 1.8	
Lithium (Li)	0.040	0.007- 0.020	
Phosphorus (P)	171	150- 220	
Selenium (Se)	0.85	0.55- 1.1	
Strontium (Sr)	0.34	0.50- 7.6	
Sulfur (S)	47700	44000- 50000	
Cobalt (Co)	0.010	0.005- 0.040	
Iron (Fe)	4.9	7.0- 16	
Germanium (Ge)	0.036	0.030- 0.040	
Rubidium (Rb)	< 0.003	0.007- 0.096	
Zirconium (Zr)	< 0.007	0.020- 0.42	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 12/04/2016	Sample Size: 0.201 g	Ca/Mg	5.43	4- 30
Date Received: 12/09/2016	Sample Type: Head	Ca/P	0.889	1- 12
Date Completed: 12/10/2016	Hair Color: Blond	Na/K	113	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	20	4- 20
	Shampoo: Earth Science	Zn/Cd	> 999	> 800



Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.8	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.12	< 0.060	
Barium (Ba)	0.09	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.003	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.30	< 0.60	
Mercury (Hg)	< 0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.013	< 0.060	
Nickel (Ni)	0.02	< 0.30	
Silver (Ag)	< 0.006	< 0.15	
Tin (Sn)	< 0.02	< 0.30	
Titanium (Ti)	0.19	< 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)	223	300- 1200	
Magnesium (Mg)	44	35- 120	
Sodium (Na)	340	20- 250	
Potassium (K)	5	8- 75	
Copper (Cu)	11	11- 37	
Zinc (Zn)	210	140- 220	
Manganese (Mn)	0.09	0.08- 0.60	
Chromium (Cr)	0.30	0.40- 0.65	
Vanadium (V)	0.009	0.018- 0.065	
Molybdenum (Mo)	0.033	0.020- 0.050	
Boron (B)	0.39	0.25- 1.5	
Iodine (I)	0.13	0.25- 1.8	
Lithium (Li)	0.031	0.007- 0.020	
Phosphorus (P)	177	150- 220	
Selenium (Se)	1.5	0.55- 1.1	
Strontium (Sr)	1.0	0.50- 7.6	
Sulfur (S)	45700	44000- 50000	
Cobalt (Co)	0.008	0.005- 0.040	
Iron (Fe)	3.7	7.0- 16	
Germanium (Ge)	0.040	0.030- 0.040	
Rubidium (Rb)	0.003	0.007- 0.096	
Zirconium (Zr)	0.008	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 04/29/2018	Sample Size: 0.202 g	Ca/Mg	5.07
Date Received: 05/03/2018	Sample Type: Head	Ca/P	1.26
Date Completed: 05/08/2018	Hair Color: Blond	Na/K	68
Methodology: ICP/MS	Treatment:	Zn/Cu	19.1
	Shampoo: Shi Kai	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history 934

1. What are your current symptoms and health history?

SIBO, severe MCS, Mercury, Thallium (Urine test), Arsenic toxicity, IBS, severe food allergies, intolerant to most drugs, herbs, chelating agents, hairloss, skin rashes, allergies, severe fatigue, adrenal exhaustion with paradoxical stress response, and other stuff.

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

Wisdom teeth removed age 20. No root canals, No braces, first amalgams placed at age 18.

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

Amalgams replaced with composites of heliomolar. Crowns are gold (no nickel, palladium, silver, etc)

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

Amalgams

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

1980 had vaccines for typhoid, measles, rubella, polio, diphtheria, pertussis, tetanus, smallpox (yes, this is true), and others I don't remember. All the usual vaccines for someone my age in childhood also. No vaccines since, but onset of illness within 2 years after vaccines.

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

E, ACE, TMG, C, calcium, Mn, glycine, psyllium, amino acids, 0.25mg copper, Mg 300mg, Zinc, VitA.

7. What is your age, height and weight?

57years, 5ft3in, 95pounds

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

Akron, Ohio USA