



PATIENT: Number 905
 SEX: Male
 AGE: 47

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.7	< 7.0	
Antimony (Sb)	0.011	< 0.066	
Arsenic (As)	0.021	< 0.080	
Barium (Ba)	0.50	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.16	< 0.80	
Mercury (Hg)	0.05	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.22	< 0.060	
Nickel (Ni)	0.08	< 0.20	
Silver (Ag)	7.1	< 0.08	
Tin (Sn)	0.11	< 0.30	
Titanium (Ti)	0.35	< 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)	428	200- 750					
Magnesium (Mg)	38	25- 75					
Sodium (Na)	28	20- 180					
Potassium (K)	7	9- 80					
Copper (Cu)	16	11- 30					
Zinc (Zn)	220	130- 200					
Manganese (Mn)	0.05	0.08- 0.50					
Chromium (Cr)	0.41	0.40- 0.70					
Vanadium (V)	0.029	0.018- 0.065					
Molybdenum (Mo)	0.032	0.025- 0.060					
Boron (B)	0.39	0.40- 3.0					
Iodine (I)	0.31	0.25- 1.8					
Lithium (Li)	0.007	0.007- 0.020					
Phosphorus (P)	179	150- 220					
Selenium (Se)	0.73	0.70- 1.2					
Strontium (Sr)	2.7	0.30- 3.5					
Sulfur (S)	45900	44000- 50000					
Cobalt (Co)	0.005	0.004- 0.020					
Iron (Fe)	4.5	7.0- 16					
Germanium (Ge)	0.030	0.030- 0.040					
Rubidium (Rb)	0.008	0.011- 0.12					
Zirconium (Zr)	0.051	0.020- 0.44					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 01/08/2014	Sample Size: 0.198 g	Ca/Mg	11.3	4- 30
Date Received: 01/14/2014	Sample Type: Head	Ca/P	2.39	0.8- 8
Date Completed: 01/17/2014	Hair Color: Brown	Na/K	4	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	13.8	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

TOXIC METALS

	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE	
			68 th	95 th
Aluminum (Al)	1.1	< 7.0		
Antimony (Sb)	0.015	< 0.066		
Arsenic (As)	0.014	< 0.080		
Barium (Ba)	0.77	< 1.0		
Beryllium (Be)	< 0.01	< 0.020		
Bismuth (Bi)	< 0.002	< 2.0		
Cadmium (Cd)	< 0.009	< 0.065		
Lead (Pb)	0.12	< 0.80		
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)	0.27	< 0.060		
Nickel (Ni)	0.12	< 0.20		
Silver (Ag)	0.13	< 0.08		
Tin (Sn)	0.04	< 0.30		
Titanium (Ti)	0.38	< 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)	685	200- 750					
Magnesium (Mg)	49	25- 75					
Sodium (Na)	45	20- 180					
Potassium (K)	8	9- 80					
Copper (Cu)	22	11- 30					
Zinc (Zn)	220	130- 200					
Manganese (Mn)	0.05	0.08- 0.50					
Chromium (Cr)	0.34	0.40- 0.70					
Vanadium (V)	0.019	0.018- 0.065					
Molybdenum (Mo)	0.044	0.025- 0.060					
Boron (B)	0.51	0.40- 3.0					
Iodine (I)	0.36	0.25- 1.8					
Lithium (Li)	0.015	0.007- 0.020					
Phosphorus (P)	196	150- 220					
Selenium (Se)	0.87	0.70- 1.2					
Strontium (Sr)	4.4	0.30- 3.5					
Sulfur (S)	47300	44000- 50000					
Cobalt (Co)	0.008	0.004- 0.020					
Iron (Fe)	7.2	7.0- 16					
Germanium (Ge)	0.033	0.030- 0.040					
Rubidium (Rb)	0.005	0.011- 0.12					
Zirconium (Zr)	0.011	0.020- 0.44					

SPECIMEN DATA

COMMENTS:

Date Collected: 04/29/2015
 Date Received: 05/05/2015
 Date Completed: 05/07/2015
 Methodology: ICP/MS

Sample Size: 0.199 g
 Sample Type: Head
 Hair Color: Brown
 Treatment:
 Shampoo:

RATIOS

ELEMENTS	RATIOS	RANGE
Ca/Mg	14	4- 30
Ca/P	3.49	0.8- 8
Na/K	5.63	0.5- 10
Zn/Cu	10	4- 20
Zn/Cd	> 999	> 800

TOXIC METALS

	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE	
			68 th	95 th
Aluminum (Al)	2.0	< 7.0		
Antimony (Sb)	0.014	< 0.066		
Arsenic (As)	0.014	< 0.080		
Barium (Ba)	0.61	< 1.0		
Beryllium (Be)	< 0.01	< 0.020		
Bismuth (Bi)	0.004	< 2.0		
Cadmium (Cd)	0.009	< 0.065		
Lead (Pb)	0.21	< 0.80		
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)	0.037	< 0.060		
Nickel (Ni)	0.08	< 0.20		
Silver (Ag)	0.11	< 0.08		
Tin (Sn)	0.05	< 0.30		
Titanium (Ti)	0.22	< 0.60		
Total Toxic Representation				

MTHF Liver caps
 POTASSIUM
 Consider 2 CSA +
 DNA GI Pathogen R
 Metabol Away
 + EDTA soap
 quercetin
 Riboflavin 50
 + ATP
 + Mitoforma

ESSENTIAL AND OTHER ELEMENTS

	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium (Ca)	348	200- 750					
Magnesium (Mg)	21	25- 75					
Sodium (Na)	30	20- 180					
Potassium (K)	4	9- 80					
Copper (Cu)	12	11- 30					
Zinc (Zn)	160	130- 200					
Manganese (Mn)	0.08	0.08- 0.50					
Chromium (Cr)	0.33	0.40- 0.70					
Vanadium (V)	0.015	0.018- 0.065					
Molybdenum (Mo)	0.024	0.025- 0.060					
Boron (B)	1.1	0.40- 3.0					
Iodine (I)	0.46	0.25- 1.8					
Lithium (Li)	< 0.004	0.007- 0.020					
Phosphorus (P)	150	150- 220					
Selenium (Se)	0.56	0.70- 1.2					
Strontium (Sr)	1.0	0.30- 3.5					
Sulfur (S)	48000	44000- 50000					
Cobalt (Co)	0.003	0.004- 0.020					
Iron (Fe)	6.2	7.0- 16					
Germanium (Ge)	0.035	0.030- 0.040					
Rubidium (Rb)	0.005	0.011- 0.12					
Zirconium (Zr)	0.026	0.020- 0.44					

Tr Mag +
 Mag caps
 Sulfur caps
 Potassium
 Zinc to zinc
 Fork cap
 MTR cap
 Lithium + A
 + All in One
 + Be Calm
 Metabol Away
 Low dose
 Hydroxy +
 Adenosyl B
 WHILED
 working o
 lithium

SPECIMEN DATA

COMMENTS: All in One + Be Calm + PS/PE/PC
 + DHA & work on lithium + ATP
 Date Collected: 07/19/2016 Sample Size: 0.205 g can consider
 Date Received: 07/23/2016 Sample Type: Head LOW dose
 Date Completed: 07/27/2016 Hair Color: Brown B12 while
 Methodology: ICP/MS Treatment: supporting lit.

RATIOS

ELEMENTS	RATIOS	RANGE
Ca/Mg	16.6	4- 30
Ca/P	2.32	0.8- 8
Na/K	7.5	0.5- 10
Zn/Cu	13.3	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 905

1. What are your current symptoms and health history? Dizziness, malaise, brain fog, breathing issues for 6 months. Felt healthy before then.

2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) Had several amalgams improperly replaced about 9 years ago. Recently got last 4 replaced properly. Had one wisdom tooth pulled without periodontal ligament being removed. Had root canal tooth of 20+ years pulled recently.

3. What dental work do you currently have in place? What part of the dental clean-up have you completed? No amalgams, no root canals, one possible cavitation, one crown over a tooth with no amalgam (no guarantee, but the dentist typically removes any amalgam before placing crown to check for decay). Half of periodontal treatment completed.

4. What dentistry did your mother have at any time before or during pregnancy? Low-copper silver-mercury amalgams in 1960s.

5. What vaccinations have you had and when (including flu and especially travel shots)? None since circa 1979.

6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? Ginger (2 G), Vit C (2 G), Magnesium (200 mg), Vit D3 (2000 IU)

7. What is your age, height and weight? 47 6'0" 137 lbs (down from 170 lbs)

8. Other information you feel may be relevant? I wear a silver-threaded hat. I think that this skewed the silver results.

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