



PATIENT: Number 687
 SEX: Female
 AGE: 59

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.7	< 7.0	
Antimony (Sb)	0.011	< 0.050	
Arsenic (As)	0.024	< 0.060	
Barium (Ba)	2.5	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.37	< 2.0	
Cadmium (Cd)	0.018	< 0.050	
Lead (Pb)	0.07	< 0.60	
Mercury (Hg)	0.67	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.034	< 0.060	
Nickel (Ni)	0.19	< 0.30	
Silver (Ag)	0.09	< 0.15	
Tin (Sn)	0.20	< 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)	383	300- 1200			
Magnesium (Mg)	78	35- 120			
Sodium (Na)	160	20- 250			
Potassium (K)	30	8- 75			
Copper (Cu)	11	11- 37			
Zinc (Zn)	200	140- 220			
Manganese (Mn)	0.25	0.08- 0.60			
Chromium (Cr)	0.37	0.40- 0.65			
Vanadium (V)	0.013	0.018- 0.065			
Molybdenum (Mo)	0.024	0.020- 0.050			
Boron (B)	1.5	0.25- 1.5			
Iodine (I)	2.5	0.25- 1.8			
Lithium (Li)	0.011	0.007- 0.020			
Phosphorus (P)	129	150- 220			
Selenium (Se)	0.91	0.55- 1.1			
Strontium (Sr)	1.4	0.50- 7.6			
Sulfur (S)	46500	44000- 50000			
Cobalt (Co)	0.006	0.005- 0.040			
Iron (Fe)	6.7	7.0- 16			
Germanium (Ge)	0.026	0.030- 0.040			
Rubidium (Rb)	0.025	0.007- 0.096			
Zirconium (Zr)	0.88	0.020- 0.42			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 11/08/2012	Sample Size: 0.2 g	Ca/Mg	4.91
Date Received: 11/13/2012	Sample Type: Head	Ca/P	2.97
Date Completed: 11/14/2012	Hair Color: Brown	Na/K	5.33
Methodology: ICP/MS	Treatment:	Zn/Cu	18.2
	Shampoo: Aveda	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history 687

1. What are your current symptoms and health history?

Current Symptoms: Tired, no energy, no motivation, WTF attitude, stressed out (and current living situation may have a part in this ...), my "think-em" getting tired and forgetful (stress related? age related??)

Health History: Since teen years: Auto-Immune unhappiness: Crohn's Disease, hair thinning, thin weak nails, high cholesterol, high triglycerides, positive for HLA-B27 antigen (genetic marker). On the positive note, fertility was my best asset: conceived well, felt fabulous during pregnancies, hair and nails **WONDERFUL** during pregnancies!!

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

Never had braces, no wisdom teeth removed, began getting amalgams in teen years, I have ~ half-dozen root canals, first one prob 20 years ago. Within the last 5 years got 2 dental implants

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

I'm down to 4 remaining amalgams, will have all 4 removed within the next month. After that, no metals remain in my yap.

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

No clue, but I remember seeing silver/gold fillings when she smiled

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

No travel shots, but had ALL the vaccinations the medical community required at that time

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

Multi vitamins, nothing spectacular

7. What is your age, height and weight?

59 years old, 5' 1", 160 lbs

8. Other information you feel may be relevant?

*** I'm adding this for my aunt - for the past few months she's been doing HBOT treatments; had 40 in total. Says she doesn't notice anything different. She had a hair test done on 10/4/12 - it was from ARL. I used the Hair Test book to interpret it and she met 3 out of the 5 counting rules, the max amt she could have met for Hg poisoning probability. Then a month later her chart looks beautiful? I do not understand this at all - I know they are different tests, but still...based on her health history would 3-6 months of chelation post amalgam removal be appropriate? When I was reading the Hair Test book several of the heavy metals pointed to some sort of issue she had - gut/sarcoids/chron's/colitis, etc. She also said she's had about 20 or so amalgams on and off her whole life, and not to contradict her but her dr had her on a pretty good regime of pills - the multi was a whole foods vit (he also had her doing something with chlorella, which I told her to stop).

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

USA - Cincinnati, OH