



PATIENT: Number 901
 SEX: Female
 AGE: 64

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.2	< 12	
Antimony (Sb)	0.010	< 0.060	
Arsenic (As)	0.034	< 0.090	
Barium (Ba)	0.22	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.079	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.54	< 1.0	
Mercury (Hg)	0.39	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.007	< 0.060	
Nickel (Ni)	0.08	< 0.40	
Silver (Ag)	0.19	< 0.10	
Tin (Sn)	0.09	< 0.30	
Titanium (Ti)	0.43	< 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)	343	475- 1500	
Magnesium (Mg)	99	45- 180	
Sodium (Na)	66	80- 450	
Potassium (K)	32	28- 160	
Copper (Cu)	26	11- 30	
Zinc (Zn)	220	130- 200	
Manganese (Mn)	0.12	0.15- 0.65	
Chromium (Cr)	0.36	0.40- 0.65	
Vanadium (V)	0.020	0.018- 0.065	
Molybdenum (Mo)	0.045	0.040- 0.10	
Boron (B)	1.1	0.40- 4.0	
Iodine (I)	0.68	0.25- 1.8	
Lithium (Li)	0.008	0.008- 0.030	
Phosphorus (P)	209	250- 500	
Selenium (Se)	1.0	0.80- 1.3	
Strontium (Sr)	1.1	1.0- 8.0	
Sulfur (S)	42600	42000- 48000	
Cobalt (Co)	0.029	0.006- 0.035	
Iron (Fe)	5.0	7.0- 16	
Germanium (Ge)	0.029	0.030- 0.040	
Rubidium (Rb)	0.057	0.030- 0.25	
Zirconium (Zr)	0.017	0.040- 1.0	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 12/05/2013		Ca/Mg	3.46
Date Received: 12/09/2013		Ca/P	1.64
Date Completed: 12/12/2013		Na/K	2.06
Methodology: ICP/MS		Zn/Cu	8.46
Sample Size: 0.195 g	Sample Type: Pubic	Zn/Cd	> 999
Hair Color: Blond	Treatment:	RANGE	
Shampoo: Soap		4- 30	
		1- 12	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 901

1. Current symptoms: candida, fatigue, digestive problems, headaches, some nausea, brain fog

2. Dental history: Wisdom teeth removed about 25, First root canal ?not sure, Braces - 43
First amalgam - not sure but about 10 or so

3. Dental work in place - Had all of my old filling removed when I was 42 yrs old - no special removal and mostly all at once. Became very sick for at least a year or so. Replaced with gold fillings at that time. Winter of 2011 I had all of the gold removed and replaced with white composite material. Dentist found some old mercury still under the gold. (Did not know I had mercury issues at that time!!).

4. Mother has passed so do not know if she had a dentistry done during her pregnancy with me.

5. Vaccinations were all the typical ones all of us kids had in the late 40's through to the 60's.

6. Supplements at time of hair test included:

Calcium 1200 mg

Magnesium 750 mg

Vit C 1000 mg

Iron

Multi Vitamin

B 50's

Cytomel 25 mcg (now taking dessicated thyroid- 30 mg)

C-DEHA 10 mg

Apo-Fluconazole 50 mg

7. 64 years old; 5'4"; 107 lbs

8. Confirm suspicion that I still have mercury issues and what protocol might be best: currently on 50 mg of DMSA every 4hrs but have to watch my bladder symptoms - I was on DMPS intravenous until I read Cutler's book. From late Feb. to June about once per week. Had to quit due to bladder flare up - not an infection but irritation apparently. Yeast has been very bad so finally had to take some Diflucan. Diet is quite limited as I think I am also sensitive to sulphur foods such as eggs.

9. Kamloops, BC Canada for last 20 years; Vancouver prior to that.