



PATIENT: Number 696
 SEX: Female
 AGE: 54

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.6	< 7.0	
Antimony (Sb)	0.010	< 0.050	
Arsenic (As)	0.014	< 0.060	
Barium (Ba)	1.4	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.028	< 2.0	
Cadmium (Cd)	0.019	< 0.050	
Lead (Pb)	0.29	< 0.60	
Mercury (Hg)	0.41	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.033	< 0.060	
Nickel (Ni)	0.25	< 0.30	
Silver (Ag)	0.04	< 0.15	
Tin (Sn)	0.19	< 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)	1950	300- 1200	
Magnesium (Mg)	91	35- 120	
Sodium (Na)	18	20- 250	
Potassium (K)	5	8- 75	
Copper (Cu)	24	11- 37	
Zinc (Zn)	200	140- 220	
Manganese (Mn)	0.13	0.08- 0.60	
Chromium (Cr)	0.42	0.40- 0.65	
Vanadium (V)	0.012	0.018- 0.065	
Molybdenum (Mo)	0.024	0.020- 0.050	
Boron (B)	0.74	0.25- 1.5	
Iodine (I)	3.7	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	135	150- 220	
Selenium (Se)	0.75	0.55- 1.1	
Strontium (Sr)	5.4	0.50- 7.6	
Sulfur (S)	48700	44000- 50000	
Cobalt (Co)	0.009	0.005- 0.040	
Iron (Fe)	12	7.0- 16	
Germanium (Ge)	0.029	0.030- 0.040	
Rubidium (Rb)	0.005	0.007- 0.096	
Zirconium (Zr)	0.34	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 10/25/2012	Sample Size: 0.181 g	Ca/Mg	21.4
Date Received: 12/04/2012	Sample Type: Head	Ca/P	14.4
Date Completed: 12/07/2012	Hair Color: Brown	Na/K	3.6
Methodology: ICP/MS	Treatment:	Zn/Cu	8.33
	Shampoo: Suave	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 696

1) Current symptoms and health history:

- *'Juvenile' Rheumatoid Arthritis, diagnosed at 7 years of age. Not the disfiguring type, but consistent joint flare-ups, head to toe.
- *2 pregnancies and deliveries, Rheumatoid went into COMPLETE remission during both pregnancies.
- *Osteoarthritis in neck.
- *Menopausal, mild hot flashes, considerable sleep disruption.
- *Benign tumor found on one ovary, ovary removed in mid 30's, along with tubal ligation.

2) Dental

- *One wisdom tooth removed
- *One root canal, but tooth subsequently extracted.
- *No braces
- *First amalgam approx 7 yrs old to baby tooth, which was just extracted just last year.
- *7 teeth currently with amalgams.

3) Mother's Dental

- *Unknown, deceased, but lost all her teeth in her early 40's.

4) Vaccinations

- *All standard child vaccinations.
- *Flu shots roughly 2009 thru 2011.
- *Swine flu shot at approx 20 yrs old, became sick with flu-like symptoms from it.

6) Supplements and medications (daily)

Calcium 1200mg
Vitamin D 1000iu
Ester C 1000mg
Omega 3-6-9 Fish Oil 1000mg
Vitamin E 400iu
Vitamin B Complex
Magnesium 250mg
Zinc 25mg
Carotene 25000iu

No meds.

7) Location: Pittsburgh, PA, USA