



PATIENT: Number 584
 SEX: Male
 AGE: 53

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.6	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.039	< 0.080	
Barium (Ba)	0.26	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.034	< 2.0	
Cadmium (Cd)	0.013	< 0.065	
Lead (Pb)	0.08	< 0.80	
Mercury (Hg)	0.35	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.002	< 0.060	
Nickel (Ni)	0.01	< 0.20	
Silver (Ag)	< 0.006	< 0.08	
Tin (Sn)	< 0.02	< 0.30	
Titanium (Ti)	0.31	< 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)	174	200- 750			
Magnesium (Mg)	26	25- 75			
Sodium (Na)	120	20- 180			
Potassium (K)	12	9- 80			
Copper (Cu)	9.5	11- 30			
Zinc (Zn)	210	130- 200			
Manganese (Mn)	0.04	0.08- 0.50			
Chromium (Cr)	0.50	0.40- 0.70			
Vanadium (V)	0.028	0.018- 0.065			
Molybdenum (Mo)	0.016	0.025- 0.060			
Boron (B)	1.6	0.40- 3.0			
Iodine (I)	0.82	0.25- 1.8			
Lithium (Li)	0.009	0.007- 0.020			
Phosphorus (P)	192	150- 220			
Selenium (Se)	0.81	0.70- 1.2			
Strontium (Sr)	0.23	0.30- 3.5			
Sulfur (S)	47000	44000- 50000			
Cobalt (Co)	0.002	0.004- 0.020			
Iron (Fe)	7.2	7.0- 16			
Germanium (Ge)	0.035	0.030- 0.040			
Rubidium (Rb)	0.011	0.011- 0.12			
Zirconium (Zr)	0.10	0.020- 0.44			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 2/12/2012		Ca/Mg	6.69	4- 30
Date Received: 2/15/2012		Ca/P	0.906	0.8- 8
Date Completed: 2/16/2012		Na/K	10	0.5- 10
Methodology: ICP/MS		Zn/Cu	22.1	4- 20
Sample Size: 0.143 g		Zn/Cd	> 999	> 800
Sample Type: Head				
Hair Color: Brown				
Treatment:				
Shampoo: Suave				

Health history for hair test 584

1) Symptoms and Health History

Bad short term memory (at times horrible). Absent minded. Brain fog. Difficulty focusing thoughts (especially quickly). Sporadic difficulty interpreting speech (that I can hear). Tinnitus. Occasional eye twitches. Daytime drowsiness. Thin, dry, brittle hair from early adulthood. Tendency to feel cold when others are comfortable. Reactive hypoglycemia. Irrational anxiety that can interrupt sleep. Knuckle cracking. Adult acne. Year round allergies. Toenail fungus. Athlete's foot. Enlarged prostate. GERD. Lipoma (several removed). Periodontal disease (surgery 15 yrs ago). Occasional mouth blisters and ulcers. Cold sores. When nervous or upset my mind goes completely blank (no hope in an argument). A developing tremor in my singing voice. Pilonidal cyst (removed 25 yrs ago). Morton's Neuroma. Occasionally blurred distance vision. Bell's Palsy (resolved itself, approx 15 yrs ago). Low blood iron (as always reported when giving blood). Occasional damaging bite of tongue while sleeping. Wake-up temp of approx 97.5. Shingles (one year ago).

2) Dental History

Wisdom teeth removed at approx age 32. 4 molar extractions to make room in mouth, roughly age 19. Front tooth extracted age 30. First root canal age 32. Full mouth braces from age 13-14. First amalgam (1) approx age 9. After not being made to go to the dentist for 3 yrs, (17) cavities filled with amalgam at age 12. Probably (4) or so since then. All but one molar have amalgams, and most cover entire bite surface.

3) Current Dental Work

Approx 9 molars loaded with amalgam, 1 crown above root canal, probably loaded as well. Amalgam removal not yet begun.

4) Mother's Dentistry

Unknown.

5) Vaccinations

All standard child vaccinations, small pox done 3 times over the years due to lack of scarring. No travel shots. Flu shots for approx 5 years straight now.

6) Supplements & Medications

Nexium 40mg 1/day. Ranitidine (generic for Zantac) 150mg 2/day. Fexofenadine (generic for Allegra) 180mg 1/day. Mens 50+ mult vitamin 1/day. Fish Oil 1 cap/day. Was not taking mult vitamin nor fish oil while growing hair from slick bald for 3 weeks to provide hair sample.

7) Age, Height, Weight

Age: 53, Height: 5-10, Weight: 170

8) Misc

Many of my symptoms, including brain problems, athlete's foot and toenail fungus, began in early to mid teens, several years after receiving 17 amalgams. I can remember on more than one occasion the feeling of the metal bits that missed landing on my tongue, and at least once swallowing to avoid choking. The brain ailments may be very gradually worsening, but I am still fully functional. Although staying focused in a learning environment now requires help in the way of stimulator products such as "5-Hour Energy".

9) Location

Bethel Park, Pennsylvania, USA.