



PATIENT: Number 543
 SEX: Female
 AGE: 55

Toxic & Essential Elements; Hair

| TOXIC METALS | | | |
|----------------------------|----------------|-----------------------|---|
| | RESULT µg/g | REFERENCE INTERVAL | PERCENTILE 68 th 95 th |
| Aluminum (Al) | 2.5 | < 12 | |
| Antimony (Sb) | 0.012 | < 0.060 | |
| Arsenic (As) | 0.096 | < 0.090 | |
| Barium (Ba) | 3.2 | < 2.0 | |
| Beryllium (Be) | < 0.01 | < 0.020 | |
| Bismuth (Bi) | 0.005 | < 2.0 | |
| Cadmium (Cd) | 0.022 | < 0.050 | |
| Lead (Pb) | 0.95 | < 1.0 | |
| 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) | 0.005 | < 0.060 | |
| Nickel (Ni) | 0.12 | < 0.40 | |
| Silver (Ag) | 0.01 | < 0.10 | |
| Tin (Sn) | 0.38 | < 0.30 | |
| Titanium (Ti) | 2.7 | < 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) | 2740 | 475- 1500 | | | |
| Magnesium (Mg) | 180 | 45- 180 | | | |
| Sodium (Na) | 290 | 80- 450 | | | |
| Potassium (K) | 170 | 28- 160 | | | |
| Copper (Cu) | 8.9 | 11- 30 | | | |
| Zinc (Zn) | 120 | 130- 200 | | | |
| Manganese (Mn) | 0.30 | 0.15- 0.65 | | | |
| Chromium (Cr) | 0.42 | 0.40- 0.65 | | | |
| Vanadium (V) | 0.057 | 0.018- 0.065 | | | |
| Molybdenum (Mo) | 0.058 | 0.040- 0.10 | | | |
| Boron (B) | 5.0 | 0.40- 4.0 | | | |
| Iodine (I) | 17 | 0.25- 1.8 | | | |
| Lithium (Li) | 0.015 | 0.008- 0.030 | | | |
| Phosphorus (P) | 1460 | 250- 500 | | | |
| Selenium (Se) | 0.95 | 0.80- 1.3 | | | |
| Strontium (Sr) | 25 | 1.0- 8.0 | | | |
| Sulfur (S) | 46900 | 42000- 48000 | | | |
| Cobalt (Co) | 0.035 | 0.006- 0.035 | | | |
| Iron (Fe) | 11 | 7.0- 16 | | | |
| Germanium (Ge) | 0.033 | 0.030- 0.040 | | | |
| Rubidium (Rb) | 0.17 | 0.030- 0.25 | | | |
| Zirconium (Zr) | 0.028 | 0.040- 1.0 | | | |

| SPECIMEN DATA | | RATIOS | |
|----------------------------|--------------------|-----------------|---------------|
| COMMENTS: | | ELEMENTS | RATIOS |
| Date Collected: 10/4/2011 | | Ca/Mg | 15.2 |
| Date Received: 10/8/2011 | | Ca/P | 1.88 |
| Date Completed: 10/11/2011 | | Na/K | 1.71 |
| Methodology: ICP/MS | | Zn/Cu | 13.5 |
| Sample Size: 0.203 g | Sample Type: Pubic | Zn/Cd | > 999 |
| Hair Color: Gray | Treatment: | | |
| Shampoo: Aubrey Organics | | | |
| | | RANGE | |
| | | | 4- 30 |
| | | | 1- 12 |
| | | | 0.5- 10 |
| | | | 4- 20 |
| | | | > 800 |

Health history for hair test 543

1) What are your current symptoms and health history?

Fatigue, low thyroid, low sex hormones, exhausted adrenals, weight gain, chronic fatigue syndrome for 20 years.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)

No root canals, only one wisdom tooth has been removed, I got my first amalgams at age 13, and became inexplicably exhausted around that time, and never had as much energy afterwards, although I could function and didn't come down with chronic fatigue syndrome until I was 36. I had braces in my 20s and again in my 30s, jaw surgery in my 30s and I have titanium in my upper jaw bone from that.

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

I have had all the Mercury removed from my mouth; the last small filling was replaced with composite about a year ago. I have a lot of composite fillings and two gold crowns.

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

She had a mouth full of silver fillings. As far as I know she didn't have any root canals or crowns.

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

I had whatever childhood vaccinations were standard for someone born in the United States in 1955 (there was no MMR then). They would take us in for polio boosters whenever we stepped on a nail. I went to Greece when I was 16 and I think we got some shots at that point. I have not had any vaccinations as an adult.

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

Daily, most in divided doses:

armor thyroid 112 mg

Hydrocortisone 12 ½ mg

800 mg magnesium

3 g vitamin C

Cod liver oil

Boron 3 mg

selenium 200

Zinc monomethionine 15 mg

Vitamin E. 400 mg

cordyceps mushroom

adrenal support herbs

vitamin K2, 45 mg

hormone creams: DHEA 4 mg, testosterone 3.125 mg, progesterone 11 mg

potassium iodide

7) Other information you feel may be relevant?

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

Berkeley, California