



PATIENT: 'Bi a Vyf' - &  
 SEX: Male  
 AGE: 28

**Toxic & Essential Elements; Hair**

| TOXIC METALS               |                |                       |   |
|----------------------------|----------------|-----------------------|---|
|                            | RESULT<br>µg/g | REFERENCE<br>INTERVAL | PERCENTILE<br>68 <sup>th</sup> 95 <sup>th</sup> |
| Aluminum (Al)              | 1.1            | < 7.0                 |   |
| Antimony (Sb)              | 0.011          | < 0.066               |   |
| Arsenic (As)               | 0.076          | < 0.080               |   |
| Barium (Ba)                | 1.7            | < 1.0                 |   |
| Beryllium (Be)             | < 0.01         | < 0.020               |   |
| Bismuth (Bi)               | < 0.002        | < 2.0                 |   |
| Cadmium (Cd)               | < 0.009        | < 0.065               |   |
| Lead (Pb)                  | 0.10           | < 0.80                |   |
| Mercury (Hg)               | 0.53           | < 0.80                |   |
| Platinum (Pt)              | < 0.003        | < 0.005               |   |
| Thallium (Tl)              | < 0.001        | < 0.002               |   |
| Thorium (Th)               | < 0.001        | < 0.002               |   |
| Uranium (U)                | 0.23           | < 0.060               |   |
| Nickel (Ni)                | 0.06           | < 0.20                |   |
| Silver (Ag)                | 0.02           | < 0.08                |   |
| Tin (Sn)                   | 0.03           | < 0.30                |   |
| Titanium (Ti)              | 0.32           | < 0.60                |   |
| Total Toxic Representation |                |                       |   |

| ESSENTIAL AND OTHER ELEMENTS |                |                       |   |  |  |
|------------------------------|----------------|-----------------------|---|--|--|
|                              | RESULT<br>µg/g | REFERENCE<br>INTERVAL | PERCENTILE<br>2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup> |  |  |
| Calcium (Ca)                 | 1180           | 200- 750              |   |  |  |
| Magnesium (Mg)               | 48             | 25- 75                |   |  |  |
| Sodium (Na)                  | 33             | 20- 180               |   |  |  |
| Potassium (K)                | 6              | 9- 80                 |   |  |  |
| Copper (Cu)                  | 13             | 11- 30                |   |  |  |
| Zinc (Zn)                    | 160            | 130- 200              |   |  |  |
| Manganese (Mn)               | 0.05           | 0.08- 0.50            |   |  |  |
| Chromium (Cr)                | 0.31           | 0.40- 0.70            |   |  |  |
| Vanadium (V)                 | 0.024          | 0.018- 0.065          |   |  |  |
| Molybdenum (Mo)              | 0.050          | 0.025- 0.060          |   |  |  |
| Boron (B)                    | 1.5            | 0.40- 3.0             |   |  |  |
| Iodine (I)                   | 2.0            | 0.25- 1.8             |   |  |  |
| Lithium (Li)                 | < 0.004        | 0.007- 0.020          |   |  |  |
| Phosphorus (P)               | 165            | 150- 220              |   |  |  |
| Selenium (Se)                | 0.75           | 0.70- 1.2             |   |  |  |
| Strontium (Sr)               | 4.3            | 0.30- 3.5             |   |  |  |
| Sulfur (S)                   | 51300          | 44000- 50000          |   |  |  |
| Cobalt (Co)                  | 0.005          | 0.004- 0.020          |   |  |  |
| Iron (Fe)                    | 8.5            | 7.0- 16               |   |  |  |
| Germanium (Ge)               | 0.027          | 0.030- 0.040          |   |  |  |
| Rubidium (Rb)                | 0.005          | 0.011- 0.12           |   |  |  |
| Zirconium (Zr)               | 0.13           | 0.020- 0.44           |   |  |  |

| SPECIMEN DATA              |                      | RATIOS   |        |         |
|----------------------------|----------------------|----------|--------|---------|
| <b>COMMENTS:</b>           |                      | ELEMENTS | RATIOS | RANGE   |
| Date Collected: 02/13/2014 | Sample Size: 0.199 g | Ca/Mg    | 24.6   | 4- 30   |
| Date Received: 02/18/2014  | Sample Type: Head    | Ca/P     | 7.15   | 0.8- 8  |
| Date Completed: 02/20/2014 | Hair Color: Brown    | Na/K     | 5.5    | 0.5- 10 |
| Methodology: ICP/MS        | Treatment:           | Zn/Cu    | 12.3   | 4- 20   |
|                            | Shampoo: Jj          | Zn/Cd    | > 999  | > 800   |

## **Health history for hair test 927**

1. Current Symptoms: Severe abdominal pain, multiple food sensitivities (gluten, dairy, eggs), Excessive fluid in abdomen (can push down on my stomach and hear sloshy sounds), white fingernails (appears to be Mee's lines, will grow out normally occasionally when I am on antiparasitic meds), Skin hyperpigmentation on my abdomen (not extreme but definitely noticeable), bruxism while sleeping, pruritus ani, anxiety.

Health history: Fingernails turned white in 1997 when I had braces put on. Digestive problems began in 2003. Got progressively worse until I was unable to get out of bed most days due to the pain and constantly had to be near a restroom due to constant diarrhea. Finally began seeing Dr's in 2009. Diagnosed with Strongyloides parasite and food sensitivities. Digestive problems improved to some extent after treatment. Moderate sinus problems resolved completely as well in 2009 (believe that was due to removing dairy and gluten from my diet). Early 2013 diagnosed with E Histolytica (ameoba) and Trichuris Trichuria (whipworm). Bowel movements normalized completely after treatment but other symptoms didn't resolve although some improved. Interestingly enough I never get the flu. Haven't been sick for over 15 years. If I feel a slight cold coming on I down a bottle or two of liquid vitamin C over a day and my problems go away within a day.

2. Dental History: Braces in 1997, Wisdom teeth removed in 2011. No other extractions. No fillings in any adult teeth and no root canals. 2 fillings in baby teeth when I was young. I haven't been to a dentist in about 7 years so it is possible I need fillings at this point (obviously they would be mercury free, but none of my teeth hurt so I'm not sure).

3. Current dental work: No current dental work. I was planning on seeing a holistic dentist to get looked at before starting chelation if I choose that course of action as it's been many years since I've been to a dentist.

4. Mother's dentistry: She had a number of amalgam fillings. Not sure how many but I could probably find out if necessary.

5. Had some of the childhood vaccinations but not all. My mother slowed down the schedule for vaccinations due to the controversy. No flu shots. Haven't had any sort of a vaccination in at least 20 years.

6. Quite a few supplements that the current Dr has me on. I'd be happy to list all the different ingredients in each if you'd like but I don't have them in front of me right now.

7. 29, 6'2", 180 Lbs.

8. Dr says that all the standard tests show that I'm extremely healthy. I was an athlete all my life and although I had a very poor diet at the time I became sick I have cleaned that up and currently eat very healthy.

9. Orange County, CA