



PATIENT: Number 824
 SEX: Female
 AGE: 7

Toxic & Essential Elements; Hair

| TOXIC METALS | | | |
|----------------------------|----------------|-----------------------|---|
| | RESULT µg/g | REFERENCE INTERVAL | PERCENTILE 68 th 95 th |
| Aluminum (Al) | 1.4 | < 8.0 | |
| Antimony (Sb) | 0.015 | < 0.066 | |
| Arsenic (As) | 0.021 | < 0.060 | |
| Barium (Ba) | 0.43 | < 1.5 | |
| Beryllium (Be) | < 0.01 | < 0.020 | |
| Bismuth (Bi) | 0.026 | < 2.0 | |
| Cadmium (Cd) | < 0.009 | < 0.070 | |
| Lead (Pb) | 0.30 | < 0.80 | |
| Mercury (Hg) | 0.21 | < 0.40 | |
| Platinum (Pt) | < 0.003 | < 0.005 | |
| Thallium (Tl) | < 0.001 | < 0.002 | |
| Thorium (Th) | < 0.001 | < 0.002 | |
| Uranium (U) | 0.042 | < 0.060 | |
| Nickel (Ni) | 0.11 | < 0.30 | |
| Silver (Ag) | 0.02 | < 0.18 | |
| Tin (Sn) | 0.08 | < 0.30 | |
| Titanium (Ti) | 0.24 | < 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) | 504 | 250- 800 | | | |
| Magnesium (Mg) | 120 | 25- 90 | | | |
| Sodium (Na) | 120 | 18- 180 | | | |
| Potassium (K) | 29 | 10- 90 | | | |
| Copper (Cu) | 20 | 11- 37 | | | |
| Zinc (Zn) | 160 | 120- 220 | | | |
| Manganese (Mn) | 0.63 | 0.08- 0.60 | | | |
| Chromium (Cr) | 0.33 | 0.40- 0.65 | | | |
| Vanadium (V) | 0.042 | 0.025- 0.10 | | | |
| Molybdenum (Mo) | 0.070 | 0.030- 0.090 | | | |
| Boron (B) | 1.2 | 0.30- 1.7 | | | |
| Iodine (I) | 0.40 | 0.25- 1.3 | | | |
| Lithium (Li) | < 0.004 | 0.007- 0.020 | | | |
| Phosphorus (P) | 127 | 150- 220 | | | |
| Selenium (Se) | 0.66 | 0.70- 1.1 | | | |
| Strontium (Sr) | 1.9 | 0.37- 3.6 | | | |
| Sulfur (S) | 47800 | 44000- 51000 | | | |
| Cobalt (Co) | 0.056 | 0.005- 0.035 | | | |
| Iron (Fe) | 6.5 | 7.0- 16 | | | |
| Germanium (Ge) | 0.027 | 0.030- 0.040 | | | |
| Rubidium (Rb) | 0.034 | 0.008- 0.080 | | | |
| Zirconium (Zr) | 0.094 | 0.030- 0.40 | | | |

| SPECIMEN DATA | | RATIOS | | |
|----------------------------|----------------------|----------|--------|---------|
| COMMENTS: | | ELEMENTS | RATIOS | RANGE |
| Date Collected: 01/22/2013 | Sample Size: 0.204 g | Ca/Mg | 4.2 | 4- 30 |
| Date Received: 01/28/2013 | Sample Type: Head | Ca/P | 3.97 | 1- 12 |
| Date Completed: 01/30/2013 | Hair Color: Brown | Na/K | 4.14 | 0.5- 10 |
| Methodology: ICP/MS | Treatment: | Zn/Cu | 8 | 4- 20 |
| | Shampoo: Jason | Zn/Cd | > 999 | > 800 |

Health history for hair test 824

1) What are your current symptoms and health history?

---Slowly recovering Autistic from severe to mild.

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

etc...) ---Not an issue here although initial vaccinations had mercury in them.

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

completed? ---None

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

---Many amalgams prior to birth

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

---None since 2 yr old reaction when she ended up in the ER--

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

months before the sample was taken.

---lexapro, Antifungals, antivirals, OLE, fish oil, multivitamin, magnisium, intunivi,

7) Other information you feel may be relevant?

---issues from lack of blood flow to brain as seen on neuro brain spec scan--over reactive and impaired immune system--father has B-cell lymphoma and the top 10% **in this country of PCBs in his blood.**

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

---Palmer, Alaska and spent 10 years in many parts of the bush.