



PATIENT: Number 668
 SEX: Female
 AGE: 3

Toxic & Essential Elements; Hair

| TOXIC METALS | | | |
|----------------------------|----------------|-----------------------|---|
| | RESULT µg/g | REFERENCE INTERVAL | PERCENTILE 68 th 95 th |
| Aluminum (Al) | 7.7 | < 8.0 | |
| Antimony (Sb) | 0.035 | < 0.066 | |
| Arsenic (As) | 0.98 | < 0.080 | |
| Barium (Ba) | 0.37 | < 0.75 | |
| Beryllium (Be) | < 0.01 | < 0.020 | |
| Bismuth (Bi) | 0.015 | < 2.0 | |
| Cadmium (Cd) | 0.011 | < 0.070 | |
| Lead (Pb) | 0.60 | < 1.0 | |
| Mercury (Hg) | 0.71 | < 0.40 | |
| Platinum (Pt) | < 0.003 | < 0.005 | |
| Thallium (Tl) | < 0.001 | < 0.002 | |
| Thorium (Th) | < 0.001 | < 0.002 | |
| Uranium (U) | 0.017 | < 0.060 | |
| Nickel (Ni) | 0.22 | < 0.30 | |
| Silver (Ag) | 0.26 | < 0.20 | |
| Tin (Sn) | 0.21 | < 0.30 | |
| Titanium (Ti) | 0.47 | < 0.90 | |
| 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) | 518 | 140- 500 | | | |
| Magnesium (Mg) | 47 | 15- 45 | | | |
| Sodium (Na) | 14 | 18- 180 | | | |
| Potassium (K) | 8 | 10- 150 | | | |
| Copper (Cu) | 13 | 11- 24 | | | |
| Zinc (Zn) | 140 | 100- 190 | | | |
| Manganese (Mn) | 0.09 | 0.10- 0.50 | | | |
| Chromium (Cr) | 0.34 | 0.43- 0.70 | | | |
| Vanadium (V) | 0.033 | 0.030- 0.10 | | | |
| Molybdenum (Mo) | 0.044 | 0.050- 0.13 | | | |
| Boron (B) | 0.18 | 0.40- 3.5 | | | |
| Iodine (I) | 0.68 | 0.25- 1.3 | | | |
| Lithium (Li) | 0.004 | 0.007- 0.020 | | | |
| Phosphorus (P) | 140 | 150- 220 | | | |
| Selenium (Se) | 0.52 | 0.70- 1.1 | | | |
| Strontium (Sr) | 1.3 | 0.19- 2.0 | | | |
| Sulfur (S) | 48800 | 45500- 53000 | | | |
| Cobalt (Co) | 0.013 | 0.005- 0.030 | | | |
| Iron (Fe) | 6.5 | 7.0- 16 | | | |
| Germanium (Ge) | 0.026 | 0.030- 0.040 | | | |
| Rubidium (Rb) | 0.008 | 0.012- 0.16 | | | |
| Zirconium (Zr) | 0.038 | 0.030- 1.0 | | | |

| SPECIMEN DATA | | RATIOS | | |
|---------------------------|----------------------|----------|--------|---------|
| COMMENTS: | | ELEMENTS | RATIOS | RANGE |
| Date Collected: 9/26/2012 | Sample Size: 0.197 g | Ca/Mg | 11 | 4- 30 |
| Date Received: 9/28/2012 | Sample Type: Head | Ca/P | 3.7 | 1- 12 |
| Date Completed: 9/30/2012 | Hair Color: | Na/K | 1.75 | 0.5- 10 |
| Methodology: ICP/MS | Treatment: | Zn/Cu | 10.8 | 4- 20 |
| | Shampoo: Aussie | Zn/Cd | > 999 | > 800 |

Health history for hair test 668

1. **What are your current symptoms and health history?** - constipation, mild tics, quite anxious child
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** - none
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** - none
4. **What dentistry did your mother have at any time before or during pregnancy?** - 5 amalgam fillings.
5. **What vaccinations have you had and when (including flu and especially travel shots)?** none
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** none
7. **What is your age, height and weight?** age 3 and a half, unsure of exact weight and height (very average)
8. Other information you feel may be relevant?
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** - born in Manhattan, now living in London