



PATIENT: Number 604  
SEX: Male  
AGE: 3

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	19	< 8.0	
Antimony (Sb)	0.024	< 0.066	
Arsenic (As)	0.038	< 0.080	
Barium (Ba)	0.05	< 0.50	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.025	< 2.0	
Cadmium (Cd)	0.015	< 0.070	
Lead (Pb)	0.28	< 1.0	
Mercury (Hg)	0.18	< 0.40	
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)	0.25	< 0.20	
Silver (Ag)	0.21	< 0.20	
Tin (Sn)	0.52	< 0.30	
Titanium (Ti)	0.59	< 1.0	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>
Calcium (Ca)	67	125- 370	
Magnesium (Mg)	10	12- 30	
Sodium (Na)	69	20- 200	
Potassium (K)	73	12- 200	
Copper (Cu)	11	11- 18	
Zinc (Zn)	170	100- 190	
Manganese (Mn)	0.11	0.10- 0.50	
Chromium (Cr)	0.42	0.43- 0.80	
Vanadium (V)	0.023	0.030- 0.10	
Molybdenum (Mo)	0.053	0.050- 0.13	
Boron (B)	0.48	0.70- 5.0	
Iodine (I)	0.32	0.25- 1.3	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	202	150- 220	
Selenium (Se)	0.49	0.70- 1.1	
Strontium (Sr)	0.06	0.16- 1.0	
Sulfur (S)	50700	45500- 53000	
Cobalt (Co)	0.008	0.004- 0.020	
Iron (Fe)	8.1	7.0- 16	
Germanium (Ge)	0.034	0.030- 0.040	
Rubidium (Rb)	0.064	0.016- 0.18	
Zirconium (Zr)	0.17	0.040- 1.0	

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		ELEMENTS	RATIOS
Date Collected: 3/3/2012	Sample Size: 0.198 g	Ca/Mg	6.7
Date Received: 3/22/2012	Sample Type: Head	Ca/P	0.332
Date Completed: 3/24/2012	Hair Color: Blond	Na/K	0.945
Methodology: ICP/MS	Treatment:	Zn/Cu	15.5
	Shampoo: Anglamarck	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## Health history for hair test 604

1. What are your current symptoms and health history?

Stunted growth (92cm), little weight gain (11kg) - otherwise in excellent shape.

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?

8-12 amalgam fillings

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

Normal childhood vaccination program

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

None (possibly some iron)

7. What is your age, height and weight?

3Y 9MO 92 cm 11 kg

8. Other information you feel may be relevant?

Low iron, no known allergies, picky eater

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

Norway