



PATIENT: Number 575  
 SEX: Male  
 AGE: 35

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	4.2	< 7.0	
Antimony (Sb)	0.10	< 0.066	
Arsenic (As)	0.078	< 0.080	
Barium (Ba)	0.20	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.16	< 2.0	
Cadmium (Cd)	0.021	< 0.065	
Lead (Pb)	5.7	< 0.80	
Mercury (Hg)	0.66	< 0.80	
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)	0.08	< 0.20	
Silver (Ag)	0.06	< 0.08	
Tin (Sn)	0.10	< 0.30	
Titanium (Ti)	0.25	< 0.60	
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)	195	200- 750			
Magnesium (Mg)	13	25- 75			
Sodium (Na)	69	20- 180			
Potassium (K)	43	9- 80			
Copper (Cu)	15	11- 30			
Zinc (Zn)	200	130- 200			
Manganese (Mn)	0.09	0.08- 0.50			
Chromium (Cr)	0.47	0.40- 0.70			
Vanadium (V)	0.042	0.018- 0.065			
Molybdenum (Mo)	0.034	0.025- 0.060			
Boron (B)	1.9	0.40- 3.0			
Iodine (I)	1.4	0.25- 1.8			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	172	150- 220			
Selenium (Se)	0.90	0.70- 1.2			
Strontium (Sr)	0.27	0.30- 3.5			
Sulfur (S)	49600	44000- 50000			
Cobalt (Co)	0.005	0.004- 0.020			
Iron (Fe)	5.9	7.0- 16			
Germanium (Ge)	0.033	0.030- 0.040			
Rubidium (Rb)	0.046	0.011- 0.12			
Zirconium (Zr)	0.32	0.020- 0.44			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 11/14/2011	Sample Size: 0.2 g	Ca/Mg	15	4- 30
Date Received: 11/23/2011	Sample Type: Head	Ca/P	1.13	0.8- 8
Date Completed: 11/26/2011	Hair Color: Brown	Na/K	1.6	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	13.3	4- 20
	Shampoo: Eco Store	Zn/Cd	> 999	> 800

## Health history for hair test 575

1) What are your current symptoms and health history?

My Husband has recently been diagnosed with Asperger's syndrome and mild ADHD, he has frequent gastrointestinal upsets, irritability, headaches, sinus infections and insomnia. He also has sleep apnoea. He suffers from depression and anxiety.

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

Daniel has never had any amalgams; however, he did have braces on his teeth when he was 13 for 1 year.

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

Nil

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

Multiple amalgams before and during pregnancy

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

Frequent flu shots, including most recently 2011. Extensive travel vaccinations, we backpacked through Africa, middle east and south America so had all shots recommended to us by the dr's. Large amounts of these vaccinations grouped in 2001 and 2004

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

Bioceticals - Zinc sustain, Magnesium oil spray, Fish oil, Finasteride 5mg – he takes ½ tablet every 3 day., Citalopram – 20mg daily

7) Other information you feel may be relevant?

Dan has recently taken up firearm shooting, which I suspect may allow for exposure to lead(?) and is involved in the recovery effort down in Christchurch, NZ, which suffered a massive earthquake last year. He is frequently in the red zone of the city, among the buildings that are to be demolished. Obviously apart from the physical side of toxin exposure, this also adds stress and fatigue to his situation. Our son, whom I will also be sending you a hair test result for, has begun DAN! Rx for ASD symptoms. He does not have a formal diagnosis, and with the treatment, I would say he fits a sensory processing disorder type diagnosis more now.

8) age -35' height - 6foot 1inch, weight - fluctuates around 96-100kg

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

We live in Howick, Auckland, New Zealand