



PATIENT: Number 622  
 SEX: Female  
 AGE: 36  
 LOCATION: Sydney, Australia

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	3.5	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.048	< 0.060	
Barium (Ba)	0.44	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.011	< 2.0	
Cadmium (Cd)	0.017	< 0.050	
Lead (Pb)	0.46	< 0.60	
Mercury (Hg)	1.1	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.054	< 0.060	
Nickel (Ni)	0.35	< 0.30	
Silver (Ag)	0.28	< 0.15	
Tin (Sn)	0.47	< 0.30	
Titanium (Ti)	0.31	< 0.70	
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)	554	300- 1200			
Magnesium (Mg)	110	35- 120			
Sodium (Na)	10	20- 250			
Potassium (K)	5	8- 75			
Copper (Cu)	18	11- 37			
Zinc (Zn)	210	140- 220			
Manganese (Mn)	0.15	0.08- 0.60			
Chromium (Cr)	0.43	0.40- 0.65			
Vanadium (V)	0.039	0.018- 0.065			
Molybdenum (Mo)	0.031	0.020- 0.050			
Boron (B)	2.5	0.25- 1.5			
Iodine (I)	0.22	0.25- 1.8			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	160	150- 220			
Selenium (Se)	0.92	0.55- 1.1			
Strontium (Sr)	3.0	0.50- 7.6			
Sulfur (S)	48900	44000- 50000			
Cobalt (Co)	0.006	0.005- 0.040			
Iron (Fe)	7.8	7.0- 16			
Germanium (Ge)	0.034	0.030- 0.040			
Rubidium (Rb)	0.006	0.007- 0.096			
Zirconium (Zr)	0.029	0.020- 0.42			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 1/23/2012	Sample Size: 0.199 g	Ca/Mg	5.04	4- 30
Date Received: 1/28/2012	Sample Type: Head	Ca/P	3.46	1- 12
Date Completed: 1/31/2012	Hair Color:	Na/K	2	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	11.7	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

## **Health history for hair test 622**

**1. What are your current symptoms and health history?** No serious frank illnesses. Very spacey, forgetful & disorganised, increasing over the years since good school grades nearly 20 years ago. Depression, anxiety, paranoia. Pretty bad ADD. Hyper-sensitive. No anger, irritability or aggression. Inability to complete tasks, make long-range plans, or set goals that stick.

**2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** Never had an amalgam filling. Many composite resin fillings - teeth all started rotting away about 10 years ago, tho the process has stopped now.

**3. What dental work do you currently have in place? What part of the dental clean-up have you completed?** Only composite resin fillings; no amalgams; no bridges, implants etc.

**4. What dentistry did your mother have at any time before or during pregnancy?** Lots of amalgams.

**5. What vaccinations have you had and when (including flu and especially travel shots)?** Travel shots in 1977 as an infant. Rubella at primary school. Can't recall other vaccinations, tho probably a few.

**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?** 36; 5' 7"; 64kg.

**8. Other information you feel may be relevant?** A bit puzzled by what seem to be Hg symptoms, but never any amalgams...

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