



PATIENT: Number 541  
 SEX: Male  
 AGE: 63

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	6.4	< 7.0	
Antimony (Sb)	0.012	< 0.066	
Arsenic (As)	0.045	< 0.080	
Barium (Ba)	0.18	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.045	< 2.0	
Cadmium (Cd)	0.011	< 0.065	
Lead (Pb)	1.2	< 0.80	
Mercury (Hg)	1.5	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.013	< 0.060	
Nickel (Ni)	0.18	< 0.20	
Silver (Ag)	0.23	< 0.08	
Tin (Sn)	0.07	< 0.30	
Titanium (Ti)	0.33	< 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)	503	200- 750			
Magnesium (Mg)	23	25- 75			
Sodium (Na)	24	20- 180			
Potassium (K)	10	9- 80			
Copper (Cu)	25	11- 30			
Zinc (Zn)	180	130- 200			
Manganese (Mn)	0.07	0.08- 0.50			
Chromium (Cr)	0.41	0.40- 0.70			
Vanadium (V)	0.033	0.018- 0.065			
Molybdenum (Mo)	0.041	0.025- 0.060			
Boron (B)	1.3	0.40- 3.0			
Iodine (I)	0.19	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	178	150- 220			
Selenium (Se)	1.3	0.70- 1.2			
Strontium (Sr)	0.59	0.30- 3.5			
Sulfur (S)	47200	44000- 50000			
Cobalt (Co)	0.006	0.004- 0.020			
Iron (Fe)	8.3	7.0- 16			
Germanium (Ge)	0.027	0.030- 0.040			
Rubidium (Rb)	0.010	0.011- 0.12			
Zirconium (Zr)	0.059	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 8/25/2011		Ca/Mg	21.9
Date Received: 9/1/2011		Ca/P	2.83
Date Completed: 9/4/2011		Na/K	2.4
Methodology: ICP/MS		Zn/Cu	7.2
Sample Size: 0.198 g	Sample Type: Head	Zn/Cd	> 999
Hair Color:	Treatment: Bleach, Dye, Perm		
Shampoo: Regular			
		<b>RANGE</b>	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## Health history for hair test 541

1. **What are your current symptoms and health history?** Waking several times per night, needing to urinate approximately 3 times per night. Slightly high blood sugar. Otherwise good health.
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** Wisdom teeth removed at 19 years of age. First amalgam approx. 10 years old. No root canals. No extractions.
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** No amalgams present, all have been removed. 3 porcelain bonded to gold crowns.
4. **What dentistry did your mother have at any time before or during pregnancy?** Don't know
5. **What vaccinations have you had and when (including flu and especially travel shots)?** More than 10 years ago. Cholera, typhoid.
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** Multitude of minerals, vitamins, supplements.
7. **What is your age, height and weight?** 64 years old. 5ft 7 ins. 10 st.
8. **Other information you feel may be relevant?** I am a practising dentist working 2.5 days per week. I have done 8 rounds of AC protocol. Currently on 100 mg DMSA and 100 mg ALA, taking 3 days and 2 nights every 10 days. I have been feeling better since doing this.
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** London.