



PATIENT: Number 524  
 SEX: Male  
 AGE: 61

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	0.8	< 7.0	
Antimony (Sb)	0.018	< 0.066	
Arsenic (As)	0.18	< 0.080	
Barium (Ba)	0.06	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.022	< 2.0	
Cadmium (Cd)	0.029	< 0.065	
Lead (Pb)	1.0	< 0.80	
Mercury (Hg)	0.11	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.003	< 0.060	
Nickel (Ni)	0.03	< 0.20	
Silver (Ag)	0.04	< 0.08	
Tin (Sn)	0.06	< 0.30	
Titanium (Ti)	0.32	< 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)	433	200- 750			
Magnesium (Mg)	35	25- 75			
Sodium (Na)	180	20- 180			
Potassium (K)	58	9- 80			
Copper (Cu)	14	11- 30			
Zinc (Zn)	190	130- 200			
Manganese (Mn)	0.06	0.08- 0.50			
Chromium (Cr)	0.64	0.40- 0.70			
Vanadium (V)	0.11	0.018- 0.065			
Molybdenum (Mo)	0.043	0.025- 0.060			
Boron (B)	1.2	0.40- 3.0			
Iodine (I)	0.59	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	198	150- 220			
Selenium (Se)	0.80	0.70- 1.2			
Strontium (Sr)	0.49	0.30- 3.5			
Sulfur (S)	48500	44000- 50000			
Cobalt (Co)	0.005	0.004- 0.020			
Iron (Fe)	6.8	7.0- 16			
Germanium (Ge)	0.028	0.030- 0.040			
Rubidium (Rb)	0.048	0.011- 0.12			
Zirconium (Zr)	0.046	0.020- 0.44			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 9/17/2011	Sample Size: 0.197 g	Ca/Mg	12.4	4- 30
Date Received: 9/20/2011	Sample Type: Head	Ca/P	2.19	0.8- 8
Date Completed: 9/23/2011	Hair Color: Black	Na/K	3.1	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	13.6	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

## Health history for hair test 524

### 1) What are your current symptoms and health history?

Present symptoms:- Hypoglycemia, food intolerance, neck pain, balance issues/Vertigo, numbness in gums, twitching muscles, blurred vision, fatigue, frequent urination, piles, candida, hayfever, Multi Chemical Sensitivities, Irregular heart beat.

In my 20's I started getting slight dizzy spells . Then in my 30's dizzy spells got worse with blurred vision.

Early 40's dizziness was constant with blurred vision. Then got allergies to many foods. With hypoglycemia

Stayed on a restricted diet which helped symptoms but these eventually flared up again when I was 59 with a major flare up of yeast.

Saw ND Dr Forsyth who confirmed mercury toxicity using a blood sensitivity test.

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

One wisdom tooth removed about 20 years ago,

Had about 10 amalgams removed 12 years ago, and 5 years ago had one root canal done .

### 3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

Three crowns, One gold, two porcelain with metal base. . Last month had a tooth extracted as I did not want another crown

### 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)?

No flu vaccines , All children vaccines and many travel vaccines over the years, last travel vaccines at 43 then symptoms got worse.

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

Following the yeast flare up late in 2010 started DMSA In Jan 2011 using the Cutler protocol. Added ALA in May 2011.

Now on DMSA/ALA 12.5/12.5 mg

Supplements:- Vit C, D E and B complex, Zinc, Magnesium, Butyric acid, Probiotics, Caprylic acid, Slippery elm, Milk Thistle, Candida clear, soya Lecitin, Udos omega oils

### 7) Other information you feel may be relevant?

Indian nationality born in Kenya and moved to England at 17years old.

Retired at 59 after 40 years service in management with British Telecom. Last 10 years was difficult to manage symptoms and work. So now able to address health issues whilst retired.

Had Knee surgery for a torn ligament at 35. so have a Dacron implant and Vitallium staple to hold in place.

Played with mercury from school at 10 years old.

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

London England