



PATIENT: Number 724
 SEX: Female
 AGE: 34

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.4	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.027	< 0.060	
Barium (Ba)	0.99	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.009	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.08	< 0.60	
Mercury (Hg)	0.10	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.14	< 0.060	
Nickel (Ni)	0.09	< 0.30	
Silver (Ag)	0.20	< 0.15	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.26	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th
Calcium (Ca)	1020	300- 1200	
Magnesium (Mg)	76	35- 120	
Sodium (Na)	37	20- 250	
Potassium (K)	3	8- 75	
Copper (Cu)	18	11- 37	
Zinc (Zn)	280	140- 220	
Manganese (Mn)	0.09	0.08- 0.60	
Chromium (Cr)	0.35	0.40- 0.65	
Vanadium (V)	0.024	0.018- 0.065	
Molybdenum (Mo)	0.033	0.020- 0.050	
Boron (B)	0.58	0.25- 1.5	
Iodine (I)	0.54	0.25- 1.8	
Lithium (Li)	0.029	0.007- 0.020	
Phosphorus (P)	184	150- 220	
Selenium (Se)	0.72	0.55- 1.1	
Strontium (Sr)	5.0	0.50- 7.6	
Sulfur (S)	48500	44000- 50000	
Cobalt (Co)	0.003	0.005- 0.040	
Iron (Fe)	5.7	7.0- 16	
Germanium (Ge)	0.029	0.030- 0.040	
Rubidium (Rb)	0.003	0.007- 0.096	
Zirconium (Zr)	0.013	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 01/22/2013	Sample Size: 0.197 g	Ca/Mg	13.4
Date Received: 01/24/2013	Sample Type: Head	Ca/P	5.54
Date Completed: 01/26/2013	Hair Color: Brown	Na/K	12.3
Methodology: ICP/MS	Treatment:	Zn/Cu	15.6
	Shampoo: Avalon Organic	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 724

Here are the answers to the other questions:

- 1) my current symptoms are changing - I'm on my 6th round of chelation (25mg DMSA every 4 hours. 3 days on 3 days off). Most notable symptoms started approx. last June. My hair started falling out, my monthly cycle became abnormally heavy, my skin was changing- turning darker, more wrinkles, lots of little bumps with feeling like sandpaper. I started having less energy with dizzy spells where I would have to sit down often throughout the day. Things kind of progressed until Nov. of last year when my face and scalp started burning (not itching or tingling), but BURNING. I became allergic it seemed to every sort of chemical and could not use any soap or anything on my face. Then I started getting this red, raised bumpy pimply rash all over my face that would extend into my scalp. Then my face started peeling. So the cycle would continue, burn/rash/peel. Then my throat and chest started burning and the edges of my eyelids started burning like I had been swimming in chlorine. Progressing into Dec. I started waking every morning with anxiety attacks, nausea, and I started having migraines. I also had a red half circle forming around the iris of my left eye. My left hand would sporadically become numb and tingly. I had wierd headaches, that I had never experienced before (on top of the migraines) like someone was grating on the inside of my skull. Also I had tons of pressure in my head, like my head was going to pop. I'm sure there are other symptoms I'm forgetting at the moment. The majority of the symptoms came on in the last 6 weeks of 2012. I knew I had to figure something out or I was not going to make it. I had several tests done by several doctors to no avail.
- 2) My wisdom teeth were removed approx. 1996, no braces, first root canal was done approx. 2000. I have 2 root canals. First amalgam placed in approx 1988. I think I had 8 total over a period of maybe 5 or 6 years.
- 3) Currently all my amalgams are removed. The last 4 were removed this past Dec. 2012 - by a regular dentist - I could not afford a biological dentist. I have 6 crowns I think.
- 4) My mother had all sorts of dental work while she was pregnant with me. She still has amalgam fillings.
- 5) I had all regular vaccinations as a child. Have had none since I was 16.
- 6) At the time of hair test I was on round 4 of chelation - 25 mg DMSA - taking vit c, zinc, vit e, magnesium for approx 4 weeks.
- 7) I'm wondering if because the majority of my symptoms came on so suddenly that the mercury amounts shown in the hair tests may not reflect my blood levels? I don't know... I have had some symptoms subside or become better since chelating. I have not had any more migraines, the pressure in my head and other headaches have def. lessened. The numbness in my left hand has subsided considerably. The red ring around my eye left after I had my amalgams replaced. The nausea is gone. A lot of the burning on my head and face has left. The rash went away after my 4th round of chelation. However, I have lots of acne that changes with each chelation cycle. The skin on my face continues to change every week. The anxiety though has increased dramatically. I take xanax everyday. I am a lot more emotional and cannot handle any sort of stress. I still struggle with fatigue every day.
- 8) Mesa, AZ Maricopa county