HAIR ELEMENTS



PATIENT: Number 497 SEX: Male AGE: 45

POTENTIALLY TOXIC ELEMENTS													
TOXIC	RESULT	REFERENCE	PERCENTILE										
ELEMENTS	μg/g	RANGE		68 ¹	th	95 th							
Aluminum	1.6	< 7.0	—										
Antimony	0.026	< 0.066											
Arsenic	0.072	< 0.080											
Barium	0.44	< 1.0											
Beryllium	< 0.01	< 0.020											
Bismuth	0.051	< 2.0	•										
Cadmium	0.009	< 0.065	•										
Lead	0.20	< 0.80											
Mercury	0.18	< 0.80	—										
Platinum	< 0.003	< 0.005	1										
Thallium	< 0.001	< 0.002											
Thorium	< 0.001	< 0.002											
Uranium	0.013	< 0.060	—										
Nickel	0.12	< 0.20											
Silver	0.05	< 0.08											
Tin	0.05	< 0.30											
Titanium	0.38	< 0.60											
Total Toxic Represent	tation			•									
		ESSENTIAL	AND OTHE		S								
	RESULT	REFERENCE			PERCENTI	I F							
ELEMENTS		RANGE	2.5 th	16 th	50 th		4 th 97.5 th						
Calcium	μg/g 171	200- 750	2.0			0	4 01.0						
Magnesium	110	25- 75	••••••										
Sodium	110	20- 180	••••••	•••••									
Potassium	200	9- 80	••••••	••••••									
Copper	11	11- 30	••••••										
Zinc	190	130- 200	••••••										
Manganese	0.14	0.08- 0.50	••••••	••••••			•••••••						
Chromium	0.14	0.40- 0.70	••••••										
Vanadium	0.048	0.018- 0.065	••••••										
Molybdenum	0.048	0.025- 0.060	••••••	•••••									
Boron	3.0	0.40- 3.0	••••••	••••••									
Iodine	24	0.25- 1.8	••••••	••••••			······						
Lithium	0.014	0.007- 0.020	••••••	•••••									
Phosphorus	179	150- 220	••••••	••••••									
Selenium	0.88	0.70- 1.2											
Strontium	0.69	0.30- 3.5											
Sulfur	47000	44000- 50000											
Cobalt	0.003	0.004- 0.020											
Iron	10	7.0- 16			•								
Germanium	0.029	0.030- 0.040											
Rubidium	0.13	0.011- 0.12											
Zirconium	0.009	0.020- 0.44											
		PECIMEN DATA				RATIOS							
COMMENTS:	3					RATIOS	EXDECTED						
	/ / / 0010	G1- C!	0 001		ELEMENTS	PATIOS	EXPECTED RANGE						
	/4/2010	Sample Size:	0.201 g	I		RATIOS							
	/12/2010	Sample Type:	Head		Ca/Mg	1.55	4-30						
Date Completed: 11	/16/2010	Hair Color:	Brown		Ca/P	0.955	0.8-8						
Client Reference:		Treatment:			Na/K	0.55	0.5-10						
Methodology: ICP-MS Shampoo:			Jj Baby	V010.08	Zn/Cu Zn/Cd	17.3 > 999	4- 20 > 800						
						N000	- <u>> > ></u>						

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Methodology: ICP/MS

PATIENT: Number 497 follow-up SEX: Male AGE: 47

Toxic & Essential Elements; Hair

		ΤΟΧΙΟ Μ	ETALS			
		RESULT µg/g	REFERENCE INTERVAL	6	PERCENTILE 68 th 95 th	
Aluminum	(AI)	2.0	< 7.0			
Antimony	(Sb)	0.012	< 0.066	•		
Arsenic	(As)	0.043	< 0.080			
Barium	(Ba)	0.28	< 1.0			
Beryllium	(Be)	< 0.01	< 0.020			
Bismuth	(Bi)	0.008	< 2.0	•		
Cadmium	(Cd)	< 0.009	< 0.065			
Lead	(Pb)	0.17	< 0.80			
Mercury	(Hg)	0.27	< 0.80			
Platinum	(Pt)	< 0.003	< 0.005			
Thallium	(TI)	< 0.001	< 0.002			
Thorium	(Th)	< 0.001	< 0.002			
Uranium	(U)	0.010	< 0.060			
Nickel	(Ni)	0.06	< 0.20			
Silver	(Ag)	0.04	< 0.08			
Tin	(Sn)	0.03	< 0.30	•		
Titanium	(Ti)	0.33	< 0.60			
Total Toxic Representation						
		ESSENTIAL AND O	THER ELEMENTS			
		RESULT	REFERENCE		PERCENTILE	
		μg/g	INTERVAL	2.5 th 16 th		84 th 97.5 th
Calcium	(Ca)	250	200- 750			
Magnesium	(Mg)	120	25- 75			
Sodium	(Na)	48	20- 180		—	
Potassium	(K)	39	9- 80		-	
Copper	(Cu)	9.7	11- 30			
Zinc	(Zn)	180	130- 200		-	
Manganese	(Mn)	0.10	0.08- 0.50			
Chromium	(Cr)	0.47	0.40- 0.70		—	
Vanadium	(V)	0.038	0.018- 0.065		-	
Molybdenum	(Mo)	0.034	0.025- 0.060		-	
Boron	(B)	0.54	0.40- 3.0			
lodine	(I)	2.2	0.25- 1.8			-
Lithium	(Li)	0.005	0.007- 0.020			
Phosphorus	(P)	197	150- 220		—	
Selenium	(Se)	1.0	0.70- 1.2		-	
Strontium	(Sr)	0.33	0.30- 3.5	•		
Sulfur	(S)	51200	44000- 50000			
Cobalt	(Co)	0.005	0.004- 0.020			
Iron	(Fe)	5.8	7.0- 16	_		
Germanium	(Ge)	0.036	0.030- 0.040		-	
Rubidium	(Rb)	0.040	0.011- 0.12		•	
Zirconium	(Zr)	0.023	0.020- 0.44			
		RATIOS				
COMMENTS:	ELEMENTS	RATIOS	RANGE			
				Ca/Mg	2.08	4- 30
Date Collected: 5/12/2012	C	ample Size: 0.197	r	Ca/Ng Ca/P	1.27	0.8- 8
Date Received: 5/15/2012		ample Type: Head	1	Na/K	1.23	0.5-10
Date Completed: 5/16/2012	air Color: Brown		Zn/Cu	18.6	4- 20	
Methodology: TCD /VC Tractmont:				Zn/Cd		> 800

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Treatment:

Shampoo: Jj Baby

Zn/Cd

> 999

> 800

Health history for hair test 497

Current symptoms are fatigue, brain fog, depression, low confidence.

First amalgam at around 8 years old, had around 20 in total (including refils), had 16 removed Aug 2010. Now have composites and still have on bridge which is 95% Silver and Palladium.

Mother had amalgams when I was born.

Had numerous shots when travelling for work, unfortunately I can't remember which ones.

Taking

1-2gms of VitC, 4 drops of Lugols, 400mcg of Selenium, B50, 400IU of VitE and a general 100% RDA multivit/min at the time of the test.

I'm male, 5ft 8in and 155lbs.

I work in industry and have previously done a lot of soldering before the removal of lead.

I live in the country.

Health history for hair test 497 follow-up

1) Current symptoms are lack of energy and poor mental concentration. Depression, aching joints and headaches. General apathy and indifference to everything.

2) First amalgam placed about 40 years ago. When I had them removed I had 16, but many of these had been placed more than once.

3) Had all 16 amalgams removed 1.5 years ago.

4) Mother had some amalgams at the time of my birth (not sure how many)

5) I can't remember all the shots I have had, but needed some for work trips to China and Brazil I believe.

6) Supplements taken are 25 mg DMSA and ALA (3 hour dosing for 3 day rounds), standard 100% RDA multivitamin,3 grams vitamin C, 800 mcg Selenium, 800 IU vitamin E, 0.5 teaspoon of sea salt, 2000 mcg iodine, 600 mg NAC.

7) I am 46, five foot eight inches tall and approximately 155lbs in weight.

8) I work in industry and have been exposed to lead (through lead solder) and perhaps mercury (through mercury manometers).

9) I live in Derby, UK.