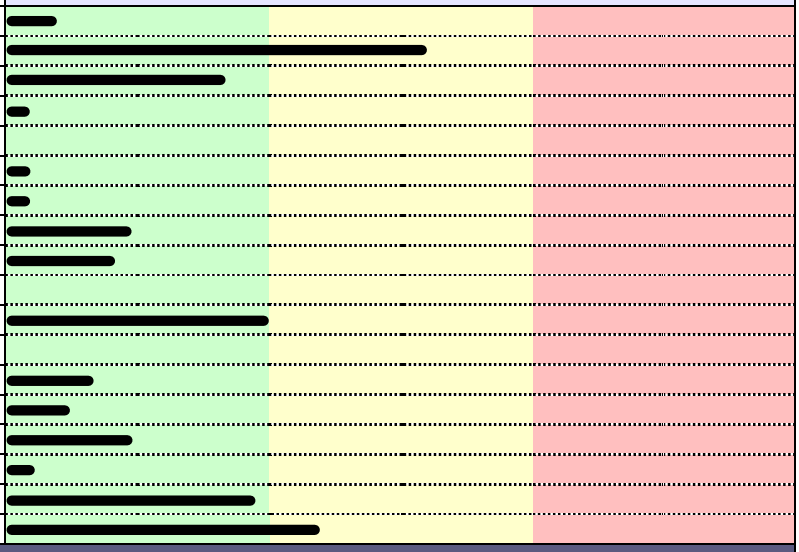
HAIR ELEMENTS

DOCTOR'S DATA INC.

PATIENT: Number 337
SEX: Male
AGE: 47
LOCATION: London, UK.

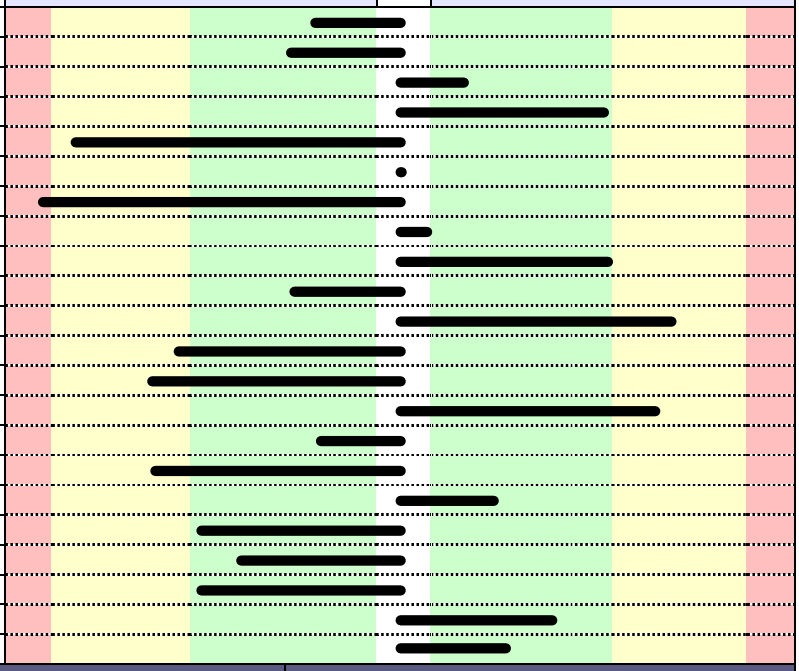
POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE
Aluminum	**1.2**	< 7.0
Antimony	**0.12**	< 0.066
Arsenic	**0.068**	< 0.080
Barium	**0.09**	< 1.0
Beryllium	**< 0.01**	< 0.020
Bismuth	**0.11**	< 2.0
Cadmium	**0.012**	< 0.065
Lead	**0.37**	< 0.80
Mercury	**0.33**	< 0.80
Platinum	**< 0.003**	< 0.005
Thallium	**0.002**	< 0.002
Thorium	**< 0.001**	< 0.002
Uranium	**0.019**	< 0.060
Nickel	**0.05**	< 0.20
Silver	**0.04**	< 0.08
Tin	**0.04**	< 0.30
Titanium	**0.57**	< 0.60
Total Toxic Representation		



ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE
Calcium	**303**	200- 750
Magnesium	**34**	25- 75
Sodium	**98**	20- 180
Potassium	**85**	9- 80
Copper	**9.3**	11- 30
Zinc	**170**	130- 200
Manganese	**0.04**	0.08- 0.50
Chromium	**0.57**	0.40- 0.70
Vanadium	**0.073**	0.018- 0.065
Molybdenum	**0.032**	0.025- 0.060
Boron	**6.1**	0.40- 3.0
Iodine	**0.23**	0.25- 1.8
Lithium	**0.006**	0.007- 0.020
Phosphorus	**244**	150- 220
Selenium	**0.85**	0.70- 1.2
Strontium	**0.25**	0.30- 3.5
Sulfur	**48400**	44000- 50000
Cobalt	**0.004**	0.004- 0.020
Iron	**7.6**	7.0- 16
Germanium	**0.030**	0.030- 0.040
Rubidium	**0.099**	0.011- 0.12
Zirconium	**0.27**	0.020- 0.44



SPECIMEN DATA

COMMENTS:

Date Collected: **2/12/2010**
Date Received: **2/16/2010**
Date Completed: **2/22/2010**
Client Reference:
Methodology: **ICP-MS**

Sample Size: **0.197 g**
Sample Type: **Head**
Hair Color: **Brown**
Treatment:
Shampoo: **Organic**

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	**8.91**	4- 30
Ca/P	**1.24**	0.8- 8
Na/K	**1.15**	0.5- 10
Zn/Cu	**18.3**	4- 20
Zn/Cd	**> 999**	> 800

DOCTOR'S DATA INC.

SEX: Male
AGE: 52

Toxic & Essential Elements; Hair

TOXIC METALS

		RESULT µg/g	REFERENCE INTERVAL
Aluminum	**(Al)**	**1.2**	< 7.0
Antimony	**(Sb)**	**< 0.01**	< 0.066
Arsenic	**(As)**	**0.030**	< 0.080
Barium	**(Ba)**	**0.23**	< 1.0
Beryllium	**(Be)**	**< 0.01**	< 0.020
Bismuth	**(Bi)**	**0.44**	< 2.0
Cadmium	**(Cd)**	**0.009**	< 0.065
Lead	**(Pb)**	**0.24**	< 0.80
Mercury	**(Hg)**	**0.29**	< 0.80
Platinum	**(Pt)**	**< 0.003**	< 0.005
Thallium	**(Tl)**	**< 0.001**	< 0.002
Thorium	**(Th)**	**< 0.001**	< 0.002
Uranium	**(U)**	**0.028**	< 0.060
Nickel	**(Ni)**	**0.20**	< 0.20
Silver	**(Ag)**	**0.09**	< 0.08
Tin	**(Sn)**	**0.03**	< 0.30
Titanium	**(Ti)**	**0.36**	< 0.60
Total Toxic Representation			

PERCENTILE: 68th, 95th

ESSENTIAL AND OTHER ELEMENTS

		RESULT µg/g	REFERENCE INTERVAL
Calcium	**(Ca)**	**1190**	200– 750
Magnesium	**(Mg)**	**40**	25– 75
Sodium	**(Na)**	**100**	20– 180
Potassium	**(K)**	**21**	9– 80
Copper	**(Cu)**	**39**	11– 30
Zinc	**(Zn)**	**190**	130– 200
Manganese	**(Mn)**	**0.05**	0.08– 0.50
Chromium	**(Cr)**	**0.37**	0.40– 0.70
Vanadium	**(V)**	**0.031**	0.018– 0.065
Molybdenum	**(Mo)**	**0.088**	0.025– 0.060
Boron	**(B)**	**0.41**	0.40– 3.0
Iodine	**(I)**	**1.7**	0.25– 1.8
Lithium	**(Li)**	**< 0.004**	0.007– 0.020
Phosphorus	**(P)**	**216**	150– 220
Selenium	**(Se)**	**1.0**	0.70– 1.2
Strontium	**(Sr)**	**1.5**	0.30– 3.5
Sulfur	**(S)**	**48100**	44000– 50000
Cobalt	**(Co)**	**0.005**	0.004– 0.020
Iron	**(Fe)**	**7.8**	7.0– 16
Germanium	**(Ge)**	**0.024**	0.030– 0.040
Rubidium	**(Rb)**	**0.022**	0.011– 0.12
Zirconium	**(Zr)**	**0.14**	0.020– 0.44

PERCENTILE: 2.5th, 16th, 50th, 84th, 97.5th

SPECIMEN DATA

COMMENTS:

Date Collected: **01/25/2015**
Date Received: **01/29/2015**
Date Completed: **01/31/2015**
Methodology: **ICP/MS**

Sample Size: **0.197 g**
Sample Type: **Head**
Hair Color: **Brown**
Treatment:
Shampoo: **Pantene**

RATIOS

ELEMENTS	RATIOS	RANGE
Ca/Mg	**29.8**	4– 30
Ca/P	**5.51**	0.8– 8
Na/K	**4.76**	0.5– 10
Zn/Cu	**4.87**	4– 20
Zn/Cd	**> 999**	> 800

DOCTOR'S DATA INC

HAIR TEST 337 - follow-up 3rd hair test
SEX: Male
AGE: 55

Toxic & Essential Elements; Hair

TOXIC METALS		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68th 95th
Aluminum	(Al)	1.5	< 7.0	
Antimony	(Sb)	0.015	< 0.066	
Arsenic	(As)	0.047	< 0.080	
Barium	(Ba)	0.08	< 1.0	
Beryllium	(Be)	< 0.01	< 0.020	
Bismuth	(Bi)	0.016	< 2.0	
Cadmium	(Cd)	< 0.009	< 0.065	
Lead	(Pb)	0.21	< 0.80	
Mercury	(Hg)	0.33	< 0.80	
Platinum	(Pt)	< 0.003	< 0.005	
Thallium	(Tl)	< 0.001	< 0.002	
Thorium	(Th)	< 0.001	< 0.002	
Uranium	(U)	0.018	< 0.060	
Nickel	(Ni)	0.04	< 0.20	
Silver	(Ag)	0.02	< 0.08	
Tin	(Sn)	0.03	< 0.30	
Titanium	(Ti)	0.39	< 0.60	
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5th 16th 50th 84th 97.5th
Calcium	(Ca)	282	200- 750	
Magnesium	(Mg)	29	25- 75	
Sodium	(Na)	50	20- 180	
Potassium	(K)	76	9- 80	
Copper	(Cu)	12	11- 30	
Zinc	(Zn)	150	130- 200	
Manganese	(Mn)	0.04	0.08- 0.50	
Chromium	(Cr)	0.45	0.40- 0.70	
Vanadium	(V)	0.028	0.018- 0.065	
Molybdenum	(Mo)	0.065	0.025- 0.060	
Boron	(B)	2.8	0.40- 3.0	
Iodine	(I)	2.4	0.25- 1.8	
Lithium	(Li)	0.004	0.007- 0.020	
Phosphorus	(P)	213	150- 220	
Selenium	(Se)	1.0	0.70- 1.2	
Strontium	(Sr)	0.33	0.30- 3.5	
Sulfur	(S)	48200	44000- 50000	
Cobalt	(Co)	0.002	0.004- 0.020	
Iron	(Fe)	5.8	7.0- 16	
Germanium	(Ge)	0.035	0.030- 0.040	
Rubidium	(Rb)	0.088	0.011- 0.12	
Zirconium	(Zr)	0.57	0.020- 0.44	

SPECIMEN DATA

COMMENTS:

Date Collected: **07/31/2017**
Date Received: **08/04/2017**
Date Completed: **08/07/2017**
Methodology: **ICP/MS**

Sample Size: **0.201 g**
Sample Type: **Head**
Hair Color: **Brown**
Treatment:
Shampoo: **Pantene**

RATIOS

ELEMENTS	RATIOS	RANGE
Ca/Mg	**9.72**	4- 30
Ca/P	**1.32**	0.8- 8
Na/K	**0.658**	0.5- 10
Zn/Cu	**12.5**	4- 20
Zn/Cd	**> 999**	> 800

Health history for hair test 337

What are your current symptoms and health history?
Fatigue and chronic (but minor) aches and pains in upper torso with poor recovery following physical exertion.
Persistent (again minor) depression and anxiety.
Suffer from hayfever in Spring/Summer which seems to be getting worse.
Had asthma as a child and have occasional recurrences around hayfever time.
Cannot tolerate alcohol.
Frequently get cold feet (even in the summer).
Began getting palpitations about a year ago but eased by taking magnesium.
Recently been experiencing gall bladder discomfort.

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc…)
Had 10 almalgam fillings between the ages of 13 to 25.
Wisdom teeth removed at age 32

What dental work do you currently have in place? What part of the dental clean-up have you completed?
Have recently had 4 almagams repaired/replaced with composite fillings
Still have 6 almalgams in place.

What dentistry did your mother have at any time before or during pregnancy?
Unknown

What vaccinations have you had and when (including flu and especially travel shots)?
Usual childhood vaccines including polio, tetanus, diptheria. Maybe some others.
Top Up tetanus in 1994.
Flu shot in Dec 2007.

Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?
Multi Vitamin (Quest One a day), 2 * Omega 3 (360 EPA 240 DHA), Magnesium 500mg, Gingko Biloba 60mg

What is your age, height and weight?
47, 5ft9in, 75kg

Other information you feel may be relevant?
Three of my 5 siblings have had chronic fatigue to varying degrees.

What is your location - city & country
Originally Melbourne, Australia but last 8 years London, England.

Health history for hair test 337 – follow-up Jan 2015

No counting rules met, first test met counting rule #4.

Related comments/context for new hair test:
142 rounds completed. Chelation started March 2011 - DMSA only for 3 months following 12 amalgams removed. Using both DMSA 25mg/ALA 25mg from August 2011 (cycle 3 days on/4 days off. dosing frequency 3 hourly during day/4 hourly at night). Good progress but still a little way to go - occasional fatigue, bile flow, digestion issues and some high thiol symptoms.

Health history for hair test 337 – follow-up August 2017

Hair Test #3 done at round 196.
Switched from DMSA to DMPS at round 190 due to candida flare ups.
Currently GallBladder/liver and low bile problems so having to build back up slowly on DMPS/ALA