

PATIENT: Number 638

SEX: Male AGE: 28

Toxic & Essential Elements; Hair

TOXIC METALS					
		RESULT μg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th	
Aluminum	(AI)	4.0	< 7.0		
Antimony	(Sb)	< 0.01	< 0.066		
Arsenic	(As)	0.012	< 0.080	•	
Barium	(Ba)	0.56	< 1.0		
Beryllium	(Be)	< 0.01	< 0.020		
Bismuth	(Bi)	0.015	< 2.0	•	
Cadmium	(Cd)	0.011	< 0.065		
Lead	(Pb)	0.36	< 0.80		
Mercury	(Hg)	0.41	< 0.80		
Platinum	(Pt)	< 0.003	< 0.005		
Thallium	(TI)	< 0.001	< 0.002		
Thorium	(Th)	< 0.001	< 0.002		
Uranium	(U)	0.004	< 0.060		
Nickel	(Ni)	0.05	< 0.20		
Silver	(Ag)	0.02	< 0.08		
Tin	(Sn)	0.04	< 0.30		
Titanium	(Ti)	0.31	< 0.60		
Total Toxic Represent	ation				

ESSENTIAL AND OTHER ELEMENTS					
		RESULT μg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th	
Calcium	(Ca)	1120	200- 750		
Magnesium	(Mg)	33	25- 75		
Sodium	(Na)	5	20- 180		
Potassium	(K)	4	9- 80		
Copper	(Cu)	30	11- 30		
Zinc	(Zn)	240	130- 200		
Manganese	(Mn)	0.07	0.08- 0.50		
Chromium	(Cr)	0.33	0.40- 0.70		
Vanadium	(V)	0.011	0.018- 0.065		
Molybdenum	(Mo)	0.019	0.025- 0.060		
Boron	(B)	0.07	0.40- 3.0		
lodine	(I)	0.17	0.25- 1.8		
Lithium	(Li)	0.008	0.007- 0.020		
Phosphorus	(P)	178	150- 220	•	
Selenium	(Se)	0.53	0.70- 1.2		
Strontium	(Sr)	2.3	0.30- 3.5		
Sulfur	(S)	46600	44000- 50000	-	
Cobalt	(Co)	0.093	0.004- 0.020		
Iron	(Fe)	7.3	7.0- 16		
Germanium	(Ge)	0.032	0.030- 0.040		
Rubidium	(Rb)	< 0.003	0.011- 0.12		
Zirconium	(Zr)	0.031	0.020- 0.44		

SPECIMEN DATA			RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE	
		Ca/Mg	33.9	4- 30	
Date Collected: 6/25/2012	Sample Size: 0.2 g	Ca/P	6.29	0.8- 8	
Date Received: 7/2/2012	Sample Type: Head	Na/K	1.25	0.5- 10	
Date Completed: 7/6/2012	Hair Color: Blond	Zn/Cu	8	4- 20	
Methodology: ICP/MS	Treatment:	Zn/Cd	> 999	> 800	
	Shampoo: Schwarzkopf	•			

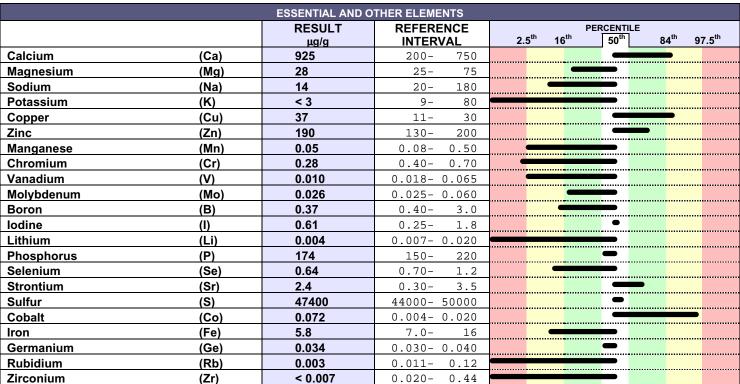


PATIENT:Number 638 Follow-up Test

SEX: Male AGE: 29

Toxic & Essential Elements; Hair

TOXIC METALS					
		RESULT μg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th	
Aluminum	(AI)	0.9	< 7.0		
Antimony	(Sb)	< 0.01	< 0.066		
Arsenic	(As)	0.010	< 0.080	•	
Barium	(Ba)	0.61	< 1.0		
Beryllium	(Be)	< 0.01	< 0.020		
Bismuth	(Bi)	< 0.002	< 2.0		
Cadmium	(Cd)	< 0.009	< 0.065		
Lead	(Pb)	0.28	< 0.80		
Mercury	(Hg)	0.22	< 0.80		
Platinum	(Pt)	< 0.003	< 0.005		
Thallium	(TI)	< 0.001	< 0.002		
Thorium	(Th)	< 0.001	< 0.002		
Uranium	(U)	0.001	< 0.060		
Nickel	(Ni)	0.06	< 0.20		
Silver	(Ag)	0.02	< 0.08		
Tin	(Sn)	< 0.02	< 0.30		
Titanium	(Ti)	0.37	< 0.60		
Total Toxic Represent	ation				



SPECIMEN DATA			RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE	
		Ca/Mg	33	4- 30	
Date Collected: 06/27/2013	Sample Size: 0.201 g	Ca/P	5.32	0.8- 8	
Date Received: 07/05/2013	Sample Type: Head	Na/K	4.67	0.5- 10	
Date Completed: 07/08/2013	Hair Color: Blond	Zn/Cu	5.14	4- 20	
Methodology: ICP/MS	Treatment:	Zn/Cd	> 999	> 800	
	Shampoo: Alverde Men	·			

1. What are your current symptoms and health history?

- low energy, tired, feeling weak
- low immune system
- depressive episodes
- slow thinking, sometimes brain overflow, bad memory, often low ability to concentrate
- hard time making decicions
- being sensitive
- anxiety
- insomnia
- low selfesteem, low stress tolerance, ADD like behavior (all of them not always but often)

2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

- First amalgam when I was about 7 9 years old
- About 6 9 amalgam fillings
- Had braces
- Most fillings got removed at about age 13 to 16, after braces where removed. These fillings got replaced by composites.
- Amalgam has not been removed with protection besides the last one (removal of last one in August 2012)
- Four molar teeth removed. At least one of them had an amalgam filling
- Wisdom teeth are not removed, but have just three.
- Redone composites in early 2013 besides one

3. What dental work do you currently have in place? What part of the dental clean-up have you completed?

I have 2 or 3 composite fillings (I'm not sure if it's one or two fillings in one teeth).

One of these composites is about 10 years old. The others I renewed this year.

1 cermaic inlay

Last amalgam filling was savely removed end of August 2012.

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

My mother has amalgams but is not sure since when. She had contact with a broken mercury thermometer as a child.

5. What vaccinations have you had and when (including flu and especially travel shots)?

Not known precisely, I had standard vaccinations given in Germany.

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

Long time use:

- Vitamin C (> 2g)
- Magnesium

For several months I took 120 - 160mg a day (missunderstanding about the used supplement) Since about 2 weeks I'm on 800 – 1000mg (citrate, sometimes also oxide)

- Vitamin E (800 1200 IU)
- Zinc (50mg)
- sometimes Grapefruit Seed Extract
- Vitamin B Complex ("Biovea ultimate b-complex") twice a day.
 It also contains chromium chloride (makes 100mcg chromium a day), some calcium, choline, phoshporus Details: http://tinyurl.com/Ultimate-B-Complex
- L-Lysin (500mg)

For several months:

- Selenium 100mcg (from natrium selenite)
- Lithium (5mg orotate)
- ACE 250 500mg

Since some weeks:

- Borage Oil (1000mg)
- L-Lysin (1000mg, sometimes more)
- Selenium 200mcg (from L-selenomethionine)
- lodoral / Lugol's solution (5 25mg per dose, not daily)

Other supplements I took over the time: Taurine, vinpocetine, argenine, glutamine, 5-HTP, SAMe, Milk Thistle, Molybdenum

Chelating with DMSA and ALA.

7. What is your age, height and weight?

29, 175cm, 66kg

- 8. Other information you feel may be relevant?
- 9. What is your location city & country (so that we can learn where certain toxins are more prevalent).

Hannover, Germany