

HAIR ELEMENTS



PATIENT: Number 223
 SEX: Female
 AGE: 48
 LOCATION: Bergen, Norway

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	5.7	< 7.0		
Antimony	0.015	< 0.050		
Arsenic	0.051	< 0.060		
Beryllium	< 0.01	< 0.020		
Bismuth	0.034	< 2.0		
Cadmium	0.042	< 0.10		
Lead	0.70	< 1.0		
Mercury	0.65	< 1.1		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.010		
Thorium	< 0.001	< 0.005		
Uranium	0.002	< 0.060		
Nickel	0.14	< 0.40		
Silver	0.13	< 0.15		
Tin	0.37	< 0.30		
Titanium	0.35	< 1.0		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS						
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE			97.5 th
			2.5 th	16 th	50 th	
Calcium	522	300- 1200				
Magnesium	10	35- 120				
Sodium	53	12- 90				
Potassium	22	8- 38				
Copper	19	12- 35				
Zinc	160	140- 220				
Manganese	0.36	0.15- 0.65				
Chromium	0.57	0.20- 0.40				
Vanadium	0.041	0.018- 0.065				
Molybdenum	0.018	0.028- 0.056				
Boron	< 0.07	0.30- 2.0				
Iodine	0.77	0.25- 1.3				
Lithium	< 0.004	0.007- 0.023				
Phosphorus	141	160- 250				
Selenium	0.96	0.95- 1.7				
Strontium	1.1	0.50- 7.6				
Sulfur	45600	44500- 52000				
Barium	0.08	0.26- 3.0				
Cobalt	0.010	0.013- 0.050				
Iron	9.9	5.4- 14				
Germanium	0.032	0.045- 0.065				
Rubidium	0.040	0.007- 0.096				
Zirconium	0.042	0.020- 0.42				

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected:	11/6/2008	Sample Size:	0.205 g	Ca/Mg	52.2	4- 30
Date Received:	11/12/2008	Sample Type:	Head	Ca/P	3.7	1- 12
Date Completed:	11/13/2008	Hair Color:	Brown	Na/K	2.41	0.5- 10
		Treatment:		Zn/Cu	8.42	4- 20
Methodology:	ICP-MS	Shampoo:	Herbal Ess	Zn/Cd	> 999	> 800

V06.99

Health history for hair test 223

1) What are your current symptoms and health history?

I have been out of work for two years with muscelpain, neck, back, arms, most right side of my body, anxiety, fatigue. Earlier I loved to exercise, I jogged, played volleyball and walked in the mountains with my dog. But I had a stressful job, but I love it, I am a public health nurse. So I got tired and at last I couldn't tolerate exercise at all. I am married and have two boys. 19 and 16 years.

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

I got my first amalgam in early childhood, then several as the years went by. About 10 fillings. I had braces in my youth. I am 48 years now, I got a rootfilling 10 years ago, and I pulled it in October. I had a wisdom tooth pulled in November, after the hairtest.

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

I have removed all my amalgam fillings from August to October this year.

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

She had a lot of mercury fillings.

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

I have had all vaccinations in childhood. I got a vaccination in 2005, diphtheria and tetanus because I was bitten by a dog.

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

Zoloft 25 mg. Magnesium, calcium, zinc, C-vit, A, B, D, E-vit, Omega3 fishoil 3-4 g, Evening primrose oil 1g.

7) Other information you feel may be relevant?

I have chelated two rounds with DMSA 5 mg every 4 hours for 3 days (and nights). I felt rather good on rounds, but several days after I was in bad shape, anxiety, pain, depression. So I guess I have to wait for further chelation.

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

I live in Norway, the town is Bergen.