



LAB #:
 PATIENT:
 ID:
 SEX: Male
 AGE: 28

CLIENT #:
 DOCTOR: , MD
 Neurological Research Institute Llc
 279 Walkers Mills Rd
 Bethel, ME 04217 U.S.A.

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	10	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.026	< 0.080	
Barium (Ba)	5.2	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.019	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.26	< 0.80	
Mercury (Hg)	0.32	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.60	< 0.060	
Nickel (Ni)	0.14	< 0.20	
Silver (Ag)	0.01	< 0.08	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.33	< 0.60	
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)	2450	200- 750	
Magnesium (Mg)	190	25- 75	
Sodium (Na)	43	20- 180	
Potassium (K)	17	9- 80	
Copper (Cu)	10	11- 30	
Zinc (Zn)	190	130- 200	
Manganese (Mn)	0.18	0.08- 0.50	
Chromium (Cr)	0.45	0.40- 0.70	
Vanadium (V)	0.078	0.018- 0.065	
Molybdenum (Mo)	0.045	0.025- 0.060	
Boron (B)	1.2	0.40- 3.0	
Iodine (I)	0.62	0.25- 1.8	
Lithium (Li)	0.025	0.007- 0.020	
Phosphorus (P)	170	150- 220	
Selenium (Se)	0.89	0.70- 1.2	
Strontium (Sr)	21	0.30- 3.5	
Sulfur (S)	46200	44000- 50000	
Cobalt (Co)	0.014	0.004- 0.020	
Iron (Fe)	11	7.0- 16	
Germanium (Ge)	0.027	0.030- 0.040	
Rubidium (Rb)	0.012	0.011- 0.12	
Zirconium (Zr)	1.1	0.020- 0.44	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 05/13/2016	Sample Size: 0.2 g	Ca/Mg	12.9	4- 30
Date Received: 05/20/2016	Sample Type: Head	Ca/P	14.4	0.8- 8
Date Completed: 05/23/2016	Hair Color:	Na/K	2.53	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	19	4- 20
	Shampoo: Paul Mitchell	Zn/Cd	> 999	> 800

Hair test 1200

QUOTE

Once he has given you your unique hair test number forward the below questions through to the **Frequent Dose Chelation group**, inform them of your hair test number and ask for help.

UNQUOTE

from "Mercury Poisoning: The Undiagnosed Epidemic" (p. 312-313). David Hammond. Kindle Edition.

At the time of his **hair test (5/13/16**, see attachment) Martin had just been tested for blood and urine mercury. There was nothing to speak of.

MERCURY, BLOOD **04/29/2016**

MERCURY, BLOOD

Result <4

Range

<OR=10

FASTING:NO

Urine 24-hour test was also negligible
<2 mcg/L flag range <21 mcg/L

QUESTIONS

• What are his current symptoms and health history?

Good health now except for what the psyche meds (negative schizophrenia) do to blood sugar and all the rest, in his case there is tachycardia from clozapine.

Weight is 177, 5'11" tall

Now eating very healthy (soft leafy green salads, beans, hummus, fruit and fruit like veggies). Losing weight slowly as needed. Takes a probiotic (Lactobacillus GG - 30 billion CFU/day)

SYMPTOMS:

negative schizophrenia

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

Plastic(?) braces a few years ago on front upper teeth only, now uses a nighttime retainer.

• What dental work does he currently have in place? What part of the dental cleanup have he completed?

Nighttime retainer only

No amalgams.

• **What dentistry did his mother have at any time before or during pregnancy?**

She had 4 large molar amalgams at time of birth and while breastfeeding for 2 years afterwards..

• **What vaccinations did he have and when (including flu and especially travel shots)?**

Had the entire CDC protocol of shots (measles, mumps, diphtheria, etc etc etc) starting as a baby, sometimes multiple shots on same day.

No flu shots or travel shots.

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

Before hair test taking:

clozapine 175 mg/day
olanzapine 15mg, then 7mg, recently 0 mg
metformin 500 mg/day
gemfibrozil 600 mg/day

L-serine 1000-2000 mg/day
D3,
B12
vit C (1-2 g/day)
vit E (400 IE/day)
probiotic Lactobacillus GG 30-45 billion units

After hair test (5/13/16) he added recommended chelation vitamins and minerals, but at lower amounts:

Mg malate 400 mg/day
Zinc citrate 50 mg/day
Selenium 100 mcg/day
Omega 3 (synthetic) 1 g/day
vit B50 complex 1/day

• **Other information you feel may be relevant?**

Possible sources of mercury poisoning:

Mother's amalgams (*in utero*)
Breastfed for 2 years (mother had amalgams)
Vaccines from birth (1987 to present)

Lead from smoggy air (lives in Los Angeles area)

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

Since birth living in Orange County, CA, mostly near the beach.