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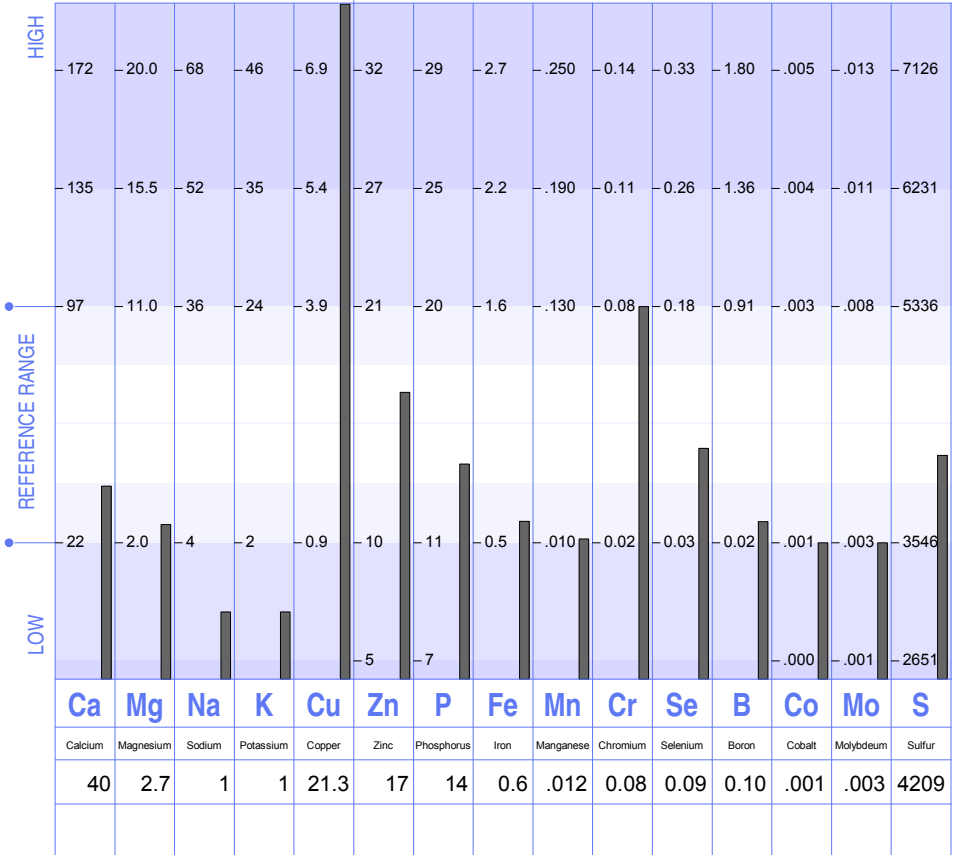
LABORATORY NO.:	9
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PROFILE NO.:	1	SAMPLE TYPE:	SCALP
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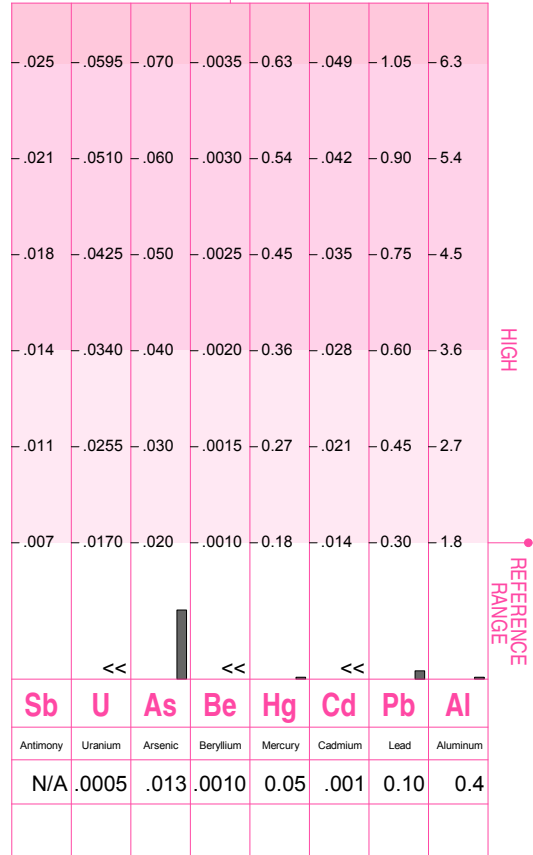
PATIENT: 25	AGE:	SEX: M	METABOLIC TYPE: SLOW 1
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REQUESTED BY: 2216	ACCOUNT NO.:	DATE: 11/06/2014
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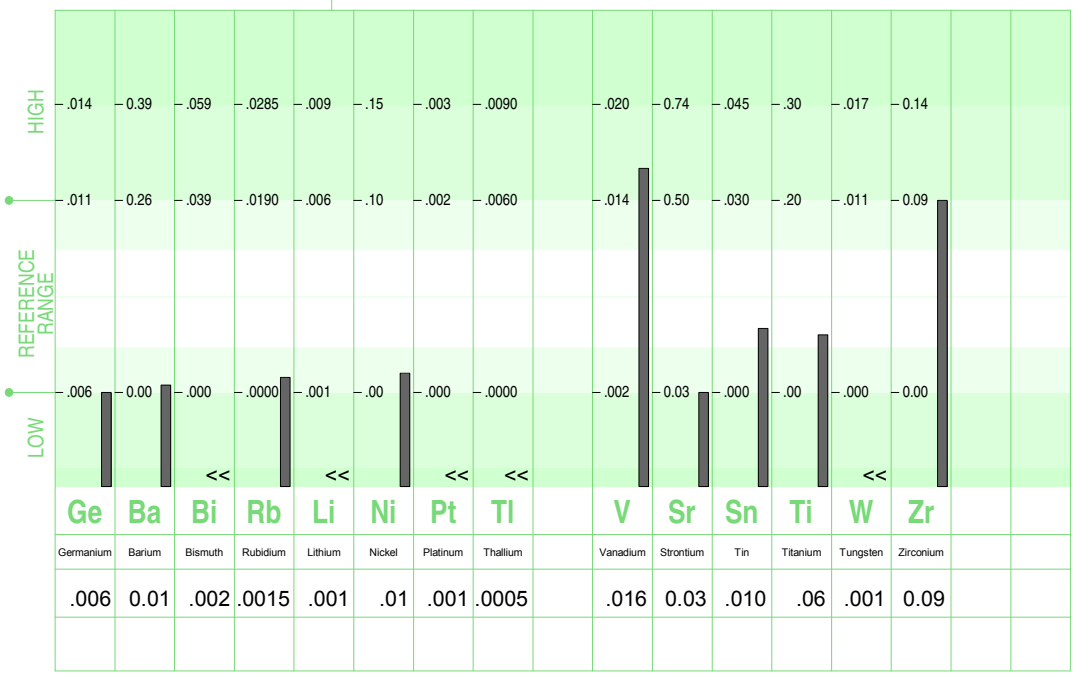
NUTRITIONAL ELEMENTS



TOXIC ELEMENTS



ADDITIONAL ELEMENTS



"<<": Below Calibration Limit; Value Given Is Calibration Limit

"QNS": Sample Size Was Inadequate For Analysis.

"N/A": Currently Not Available

Ideal Levels And Interpretation Have Been Based On Hair Samples Obtained From The Mid-Parietal To The Occipital Region Of The Scalp.

Laboratory Analysis Provided by Trace Elements, Inc., an H. H. S. Licensed Clinical Laboratory. No. 45 D0481787

11/06/2014
 CURRENT TEST RESULTS

PREVIOUS TEST RESULTS

Health history for hair test 977

1) What are your current symptoms and health history?

Insomnia, Hyper excited / energetic at late hours of the day, anxiety that can be extreme, fibromyalgia symptoms, pain++, food allergies developed only in recent years to gluten, dairy, egg.

2) Dental history

Four wisdom teeth removed 2008, no complications.

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

NO personal fillings, amalgams etc ever. Excellent dental hygiene.

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

Amalgams were put in before pregnancy. Details are hard to get but at least 4 fillings.

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

February 2014 - Diphtheria, Tetanus, Pertussis, Hepatitis B, Measels, Mumps, Rubella.
Childhood vaccines featured in Australia during the 90s were all done but can't remember specifics. I checked my medical history and I can't see where they've noted them at my history documentation comes from one GP. The government handled childhood vaccines by setting up day clinics in our school therefore it is reasonable to expect my history wouldn't have these notes.

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

DLPA 500mg once daily

5-HTP 50mg twice daily

Now Foods, B-100 complex once daily (see <http://www.iherb.com/Now-Foods-B-100-100-Capsules/37829>)

Vitamin A 5000IU once daily

Ethical Nutrients Zinc Maintain once daily (see <http://ethicalnutrients.com.au/content/products/zinc-maintain>)

7) What is your age, height and weight?

25 Year old male

165cms Tall

49kilos

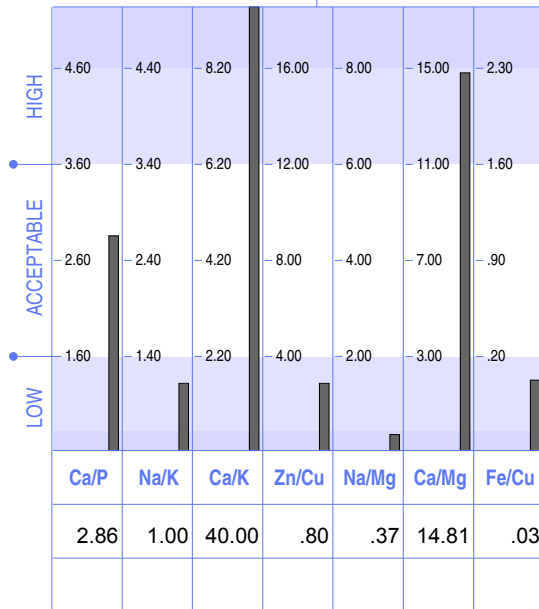
8) Other information you feel may be relevant?

Experiencing chronic pain, loss of dexterity when fatigued in HANDS. Days of obsessive compulsive behaviours are displayed such as being very particular about household standards. Currently studying full time at Uni with management of anxiety and mental health a serious priority. Pain in hands is ongoing since 2008 which started as occupational overuse in a data entry position. Previous mental health symptoms have been treated with terrible outcomes and rapid changes between antidepressants. Can supply a transcript of previous meds just for the shock value haha.

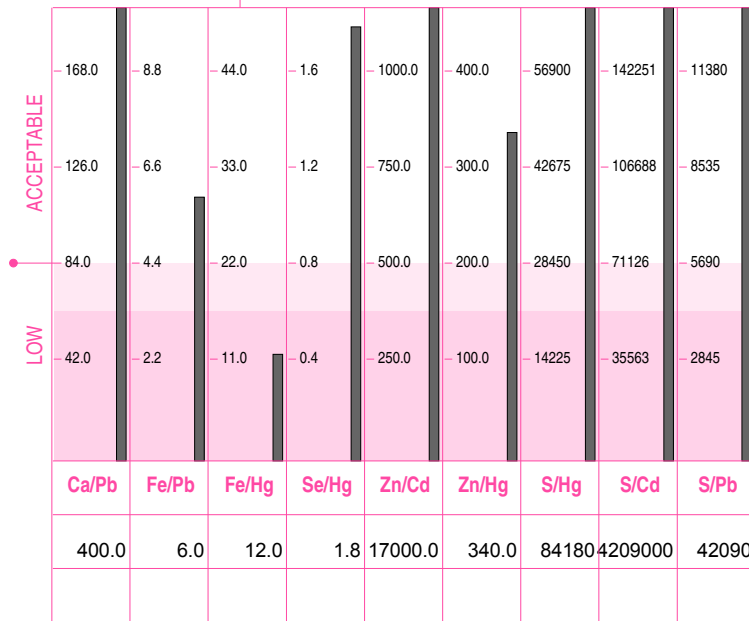
9) What is your location – city & country (so that we can learn where certain toxins are more prevalent).

Located in Canberra, Australia.

SIGNIFICANT RATIOS



TOXIC RATIOS



ADDITIONAL RATIOS

RATIO	CALCULATED VALUE		EXPECTED
	Current	Previous	
Ca/Sr	1333.33		131/1
Cr/V	5.00		13/1
Cu/Mo	7100.00		625/1
Fe/Co	600.00		440/1
K/Co	1000.00		2000/1
K/Li	1000.00		2500/1
Mg/B	27.00		40/1
S/Cu	197.61		1138/1
Se/Tl	180.00		37/1
Se/Sn	9.00		0.67/1
Zn/Sn	1700.00		167/1

LEVELS

All mineral levels are reported in milligrams percent (milligrams per one-hundred grams of hair). One milligram percent (mg%) is equal to ten parts per million (ppm).

NUTRITIONAL ELEMENTS

Extensively studied, the nutrient elements have been well defined and are considered essential for many biological functions in the human body. They play key roles in such metabolic processes as muscular activity, endocrine function, reproduction, skeletal integrity and overall development.

TOXIC ELEMENTS

The toxic elements or "heavy metals" are well-known for their interference upon normal biochemical function. They are commonly found in the environment and therefore are present to some degree, in all biological systems. However, these metals clearly pose a concern for toxicity when accumulation occurs to excess.

ADDITIONAL ELEMENTS

These elements are considered as possibly essential by the human body. Additional studies are being conducted to better define their requirements and amounts needed.

RATIOS

A calculated comparison of two elements to each other is called a ratio. To calculate a ratio value, the first mineral level is divided by the second mineral level.

EXAMPLE: A sodium (Na) test level of 24 mg% divided by a potassium (K) level of 10 mg% equals a Na/K ratio of 2.4 to 1.

SIGNIFICANT RATIOS

If the synergistic relationship (or ratio) between certain minerals in the body is disturbed, studies show that normal biological functions and metabolic activity can be adversely affected. Even at extremely low concentrations, the synergistic and/or antagonistic relationships between minerals still exist, which can indirectly affect metabolism.

TOXIC RATIOS

It is important to note that individuals with elevated toxic levels may not always exhibit clinical symptoms associated with those particular toxic minerals. However, research has shown that toxic minerals can also produce an antagonistic effect on various essential minerals eventually leading to disturbances in their metabolic utilization.

ADDITIONAL RATIOS

These ratios are being reported solely for the purpose of gathering research data. This information will then be used to help the attending health-care professional in evaluating their impact upon health.

REFERENCE RANGES

Generally, reference ranges should be considered as guidelines for comparison with the reported test values. These reference ranges have been statistically established from studying an international population of "healthy" individuals.

Important Note: The reference ranges should not be considered as absolute limits for determining deficiency, toxicity or acceptance.