

## HAIR ANALYSIS- HOW RELIABLE IS IT? – PART 2

### WHAT HAIR ANALYSIS CAN REVEAL-

Hair analysis can detect and measure the content of heavy metals and minerals of the hair. This applies to animals and people. Abnormal values of both relate to the same pathology expressed in man and animals. The Global Environmental Monitoring System (GEMS) of the United Nations Environment Program selected human hair as one of the important monitoring materials for worldwide biological monitoring of pollution. (From the government book, "Toxic Trace Metals In Mammalian Hair and Nails" by the US Environmental Protection Agency.)

If your hair reveals the presence of heavy metals (arsenic, lead, mercury, aluminum, cadmium, selenium, nickel, copper and iron) this means the tissues and organs of your body contain them too. The hair is a spill over from what is in the body. Generally heavy metals cannot be detected by blood, or urine tests. Heavy metals are toxic, the severity of symptoms being related to the absolute consumed, and the time factor involved. Large doses consumed can lead to death immediately, smaller amounts over many months or years produce chronic degenerative diseases. Heavy metals chemically relate to mineral content of the body. For example, Aluminum will displace Calcium, magnesium and manganese due to its valence in the atomic table (remember your high school chemistry?) This produces a deficiency of these three minerals with metabolic dysfunctions. Minerals are the "sparkplugs" of life. They are involved in almost all enzyme reactions within the body. Without enzyme activity, life ceases to exist. A trace mineral analysis is preventative as well as being useful as a screening tool.

What are some of the symptoms of mineral imbalance?

The same is true for the mineral content of the hair: if you have a deficiency of calcium in the hair, this reflects a deficiency of calcium in the body. Blood tests will reveal normal calcium levels, because there are physiological mechanisms to keep it normal or anyone would die of a titanic seizure and heart attack. The body will give up its calcium from the teeth, or bone to keep that normal calcium blood level, thus producing osteoporosis (with increased frequency of fractures), dental caries, muscle cramping of the skeletal muscles and muscles of the heart.

On the other hand, if your hair shows an elevated calcium level two or three times normal, then your calcium level within the body may be elevated too. This produces a strong tendency for arteriosclerosis in people and arthritic calcium deposits in the joints of people and animals.

Heavy Metals causing mineral imbalance can lead to the following conditions in people/ or animals: ("Toxic Metal in Human Health and Disease". Dr Paul Eck and Dr. Larry Wilson, Eck Institute of Applied Nutrition and Bioenergetics.)

*Depression-* toxicity with Lead, and Aluminum

*Hypoglycemia-* elevations of sodium to potassium ratios with potassium deficiency prevents blood glucose from crossing the cell membrane and contribute to inflammations and stress. This can be associated with many heavy metals. Aluminum toxicity lowers manganese levels that influence blood sugar disturbances

*Hyperactivity-* can be related to Lead poisoning in children, and some forms of mental illness

*Headaches-* almost all heavy metals

*Hypertension-* can be due to elevated sodium to magnesium ratio, and elevated sodium to potassium ratios causing edema and water retention in the body with increased blood pressure. Many heavy metals play a role in this.

*Arthritis-* can be related to Aluminum and Lead's relationship to calcium levels in the body, Copper is implicated in various collagen diseases and rheumatoid arthritis, also elevated Iron's association to Aluminum toxicity ("rusty" joint syndrome)

Lowered resistance to infections and healing are related to zinc deficiencies caused by toxic levels of Aluminum and Copper

*Hair loss-* Selenium toxicity, and *premature graying* from Aluminum

*Anemia and bone marrow depression-* seen with Iron deficiencies and Aluminum and Copper toxicity

*Hypo and Hyperthyroidism-* Aluminum toxicity

*Prostate disorders*- Aluminum toxicity interferes with zinc metabolism necessary for the health of the prostate.

*Digestive Disorders*- Aluminum can cause muscle cramping and colic, Copper causes liver degeneration. Aluminum causes hemosiderosis (a liver disease with increased reserves of iron in the liver) by preventing metabolism of Iron.

*Diabetes Mellitus*- can be caused by a deficiency of Chromium, magnesium, manganese and Vitamin B6

*Musculo-Skeletal Disorders* - Lead toxicity is linked to Multiple Sclerosis, and Aluminum is associated with muscle weakness by its lowering of manganese, magnesium and calcium

*Cardiovascular Disease*- can be associated with Aluminum, Arsenic, Selenium,

*Skin rashes, alopecia and allergies* can be due to intoxication with Aluminum, and Selenium,

*Mental Illness* - high levels of Copper and Iron can cause Schizophrenia, Paranoia, and suicidal tendencies.

*Epilepsy*- is related to magnesium deficiency- so too is leukemia, kidney and heart problems. Aluminum displaces magnesium.

*Cancer*- Beryllium, Chromium, Lead, Nickel, Aluminum, Selenium and Arsenic poisoning can cause cancer

*Fetal deaths*- mercury toxicity in the mother's system can kill her unborn baby. The TV program "20-20" recently aired, stated that, approximately 60,000 fetuses will develop methyl mercury toxicity in-utero this year. Because the mothers eat swordfish, shark and tuna fish. Cadmium, and Nickel cause congenital abnormalities and pregnancy toxemia. MD's tell us nothing, The FDA is impotent, and our government fails to confront the fishing and corporate industries to do something about the discharges from polluted waters going into the ocean, and contaminated landfills leaching into soils and underground water reservoirs.

*Kidney dysfunctions, and Cystitis* with crystal and stone formation- can be due to Aluminum toxicity of the liver and pancreas

### Who Needs a Hair Analysis?

Any human or animal that is found ill and no explanation can be found, or treatment is ineffective. Hair analysis opens up a whole new vista for solving the mystery of illness. An imbalance of minerals can be caused by stress, improper diet, taking the wrong vitamins or mineral supplements or excessive amounts, medications and accumulation of toxic metals from the environment. It is the latter cause I wish to discuss.

In my clinical practice, since 1985, when I began running hair analysis on every sick animal (no matter what the cause or symptom of the illness) that came to me, every report showed abnormal mineral content and toxic levels of Aluminum. Many showed various combinations of all the other heavy metals tested. Every cat showed toxic levels of Mercury (due to high fish meal based cat foods) and Aluminum. Aluminum, Lead and Mercury go to the brain and the nervous system, and thus touches every organ in the body. This is discussed in detail in my newsletter #1, *Heavy Metal Contamination of the Food and Water Chain*

Heavy metals are contaminating our food, water and health supplements for animals and man.

The major source is chemical pollution by agribusiness, industry and the public dumping of toxic household wastes in landfills.

All these metals upset the mineral balance in the body, which exacerbates ill health by nutritional imbalances. Only a hair analysis can reveal this, not a blood test, urinalysis, x-rays, MRI, or CAT scan of the brain.

### How Do We Know If We Have Heavy Metals In Our Animals and Ourselves?

I have the ARL lab service for hair analysis for both people and all animals (horses, dogs, cats, birds, etc.) You can order it from my electronic store or do a word search. The price includes the kit with instructions for cutting the hair sample, your report and my interpretation of results.

### How Do We Get Rid Of These Heavy Metals From Our Animals And Ourselves?

*Good news! I now am offering a homeopathic 3-bottle Detox Nosode Set that can help remove all of these heavy metals from people and animals. It comes with a handy plastic mixing squirt bottle and detailed instructions. Each bottle contains 500 tablets that quickly dissolve in water for ease of administration. Please see Testimonials and actual hair reports of cases at the end of this*

article. You can order your Detox Set at <http://www.holisticvetpetcare.com/vitamins.htm>. My whole family, myself and my animals (horses dogs, cats) are on this program.

**Dr. Dodd's comment: I truly believe man's pollution and his proliferation of noxious energy fields on this planet are at the bottom of every illness and violent act in our society.**

#### "Sambo's" Hair Analysis Reports

Pretreatment hair sample on 8/24/84:

Interpretation: The top of the chart shows the nutritional mineral content of the body, the black bars across each column bar indicates normal levels, any white on the graph below this line indicates a deficiency of the mineral. The green part of the column above this line indicates an excess of this mineral. Sambo showed an excess of calcium, (Ca) that contributes to osteoarthritis; deficiency of magnesium (Mg), elevated sodium (Na) and potassium (K), increased amounts with secondary toxicity of iron (Fe) and copper (Cu); deficiency of manganese (Mn), Zinc (Zn) loss from the body and deficiency of chromium (Cr).

The lower part of the report shows Toxic Metals: content of Lead (Pb), Mercury (Hg) Cadmium (Cd) Arsenic (As) .I had to draw in my own bar, after conversing with Dr. Eck, of the analyzed Aluminum because it was not on the form sent. The bottom of each bar indicates man's (approximate 180 pound body weight) tolerable level of that particular toxic metal. Compared to Sambo's values (at 11 pounds body weight comparison).

Tolerable man's level of Lead is .089 mg%, Sambo showed 2.7 mg%! Over 27 times more.

Tolerable man's level of Mercury is .01mg%, Sambo showed .04 mg% - 4 times more.

Tolerable man's level of Cadmium .03- Sambo had .05

Tolerable man's level of Aluminum (as determined by Dr. Eck) is .05mg%- Sambo had 45 mg%- 1000 times more than tolerable for man!!!! Dr. Eck was amazed he was still alive. He told me he had never seen such a high level in man or an animal. Sadly, 17 years later you will see the vastly increased levels of aluminum in our dogs, cats and horses hair samples.

PATIENT: SAMBO - CAT

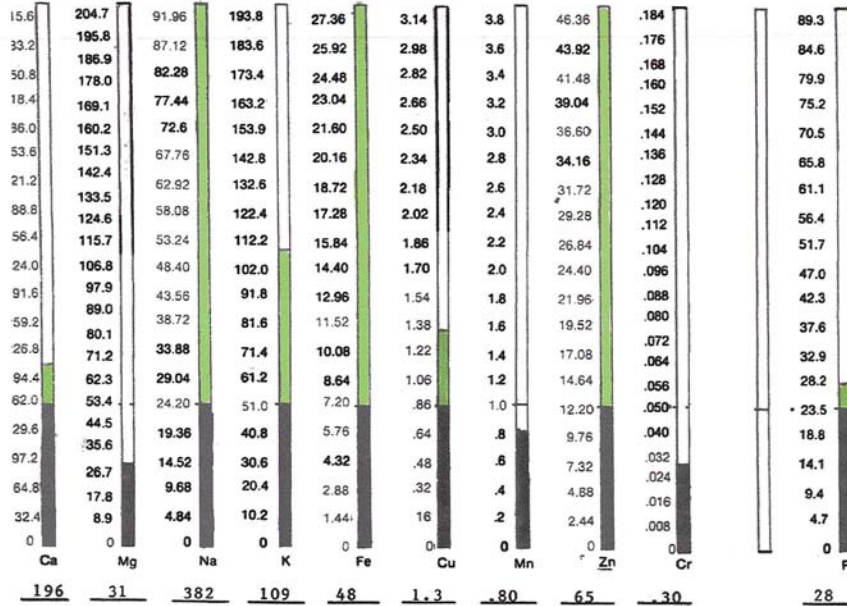
DOCTOR: GLORIA DODD DVM

DIAGNOSIS:

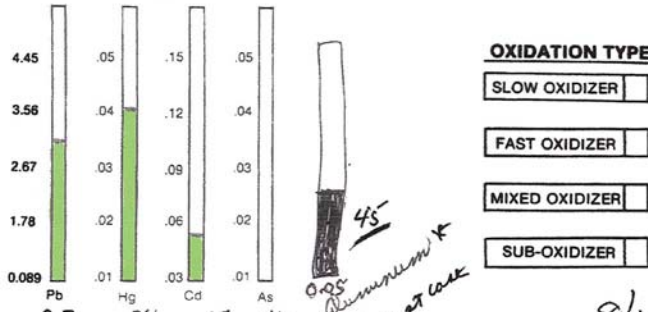
*untreated*

*8/13/84*

NUTRITIONAL MINERALS



TOXIC METALS



OXIDATION TYPE

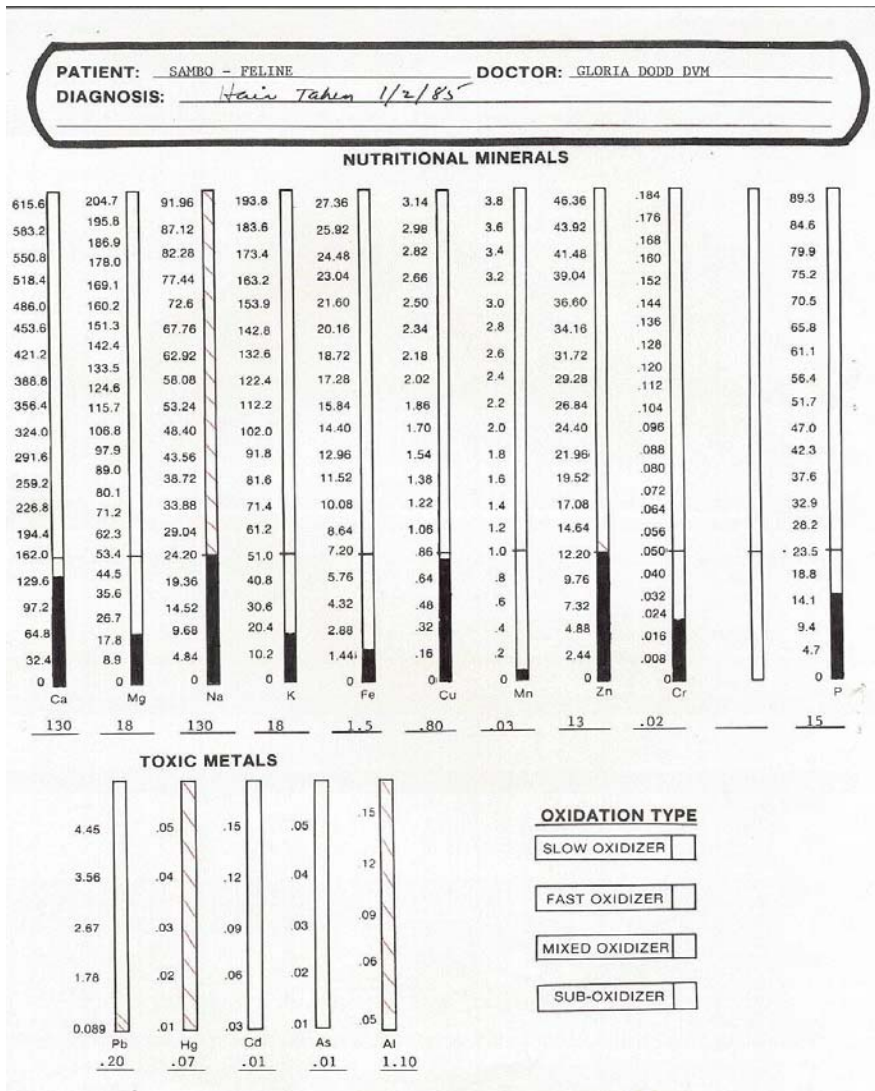
- SLOW OXIDIZER
- FAST OXIDIZER
- MIXED OXIDIZER
- SUB-OXIDIZER

*45*  
*0.25*  
*Aluminum*  
*Worst case*

*8/13/84*

Note imbalanced nutritional minerals in Sambo's graph: lowered Magnesium, Manganese and Chromium, with toxic elevated levels of Zinc, Iron, and Copper. Calcium, Phosphorous, Sodium and Potassium were higher than normal also.

Six weeks of homeopathic nosodal Detox treatments cleansed Sambo's system of the heavy metals. A monitor hair sample was taken. These are the results:



Clinical improvement, and normal blood test values matched the hair results in the lowering of all the heavy metals:  
 Aluminum from 45 mg% to 1.10 mg%;  
 Lead from 2.7mg% to .20mg%  
 Cadmium from .05 to .01 mg%  
 Mercury showed an increase from .04 to .07 mg%, which meant the tissues were giving up the Mercury to the hair. I continued to use higher potencies of the homeopathic heavy metal detox nosodes until all were eliminated. Vitamin Mineral supplementation provided the deficient minerals until all metals were cleared from his system.