



InterClinical
Laboratories

eNews

PRACTITIONER ONLY NEWSLETTER

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Nutritional, Herbal and Natural Medicines Practitioner Education
Hair Tissue Mineral Analysis Pathology



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Clinical Updates

In cases where patients' antioxidant or overall health is compromised, we often recommend Algotene.

Algotene is made from pure, whole dried *Dunaliella salina* - a marine phytoplankton - and is one of the world's richest sources of carotenoid and lipid-based (i.e. fat-soluble) antioxidants.

This superfood supplement can help to address free radical damage in your clients and improve antioxidant status.

Warm regards, InterClinical Laboratories.



Practitioner Clinical Updates

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Hair Mineral Levels in Autistic Children

In this study, the assessment of nutritional and heavy metals was performed on children diagnosed with autism as compared to controls. The affected groups were graded based upon low, medium and high functioning autism. Results showed that hair copper concentrations could be correlated with the degree of severity, in that the higher the copper burdens, the more severe the autism. Levels of lead and mercury were also found higher in the affected group and increased with the degree of severity. Whereas, selenium and magnesium were significantly different in the low functioning group of children compared to others in the affected group as well as controls.

Priya, L, Geetha, A. Level of Trace Elements (Copper, Zinc, Magnesium and Selenium) and Toxic Elements (Lead and Mercury) in the Hair and Nail of Children with Autism. Biol.Trace Elem.Res. 2010.

Comment: Autism is related to nutritional imbalances and heavy metal accumulation, either of which can affect neurological functioning. Contributing factors to the development of autism are multi-causal, many of which can be assessed through hair tissue mineral analysis. Therefore, the approach to therapy should be addressed and individualized based upon the individual child and not a general therapy for an entire group of affected children.

Elevated Uranium and Radon Gas in Drinking Water

We have frequently found that individuals having exceedingly high HTMA uranium levels also have high uranium in their drinking water. When high HTMA uranium is found we recommend that individuals also have their home tested for the possibility of high radon gas levels as the two are often found coexisting. Recently, a client informed us about one of her patients who's entire family showed elevated HTMA uranium. The family's water was tested and uranium was found to exceed the EPA limits. Interestingly, they had their water tested for radon gas also and levels were well above allowable levels. I have not had reports of water radon gas levels before, but it may be wise for individuals who have high uranium in their water to have their municipalities test for radon gas as well. Special water treatment is necessary to address the radon gas beyond what is necessary for addressing elevated uranium levels. HTMA is a good indicator of exposure to uranium and without these tests many individuals would

unknowingly be exposed to not only heavy metals such as uranium and other metals, but radon gas as well.

Kehagia, K, et al. Hair Analysis as an Indicator of Exposure to Uranium. Radial.Prot. Dosimetry. Nov. 2010.

Need more information?

Need help interpreting your patient's hair tissue mineral analysis report? Do you require further information on any of our nutritional, herbal and natural medicines? If so, please don't hesitate in contacting us. We have qualified practitioners ready to take your call.

You can call us anytime Monday to Friday, 9am-5pm AEDT.
Let us help you to build your practice with better clinical outcomes.



InterClinical Laboratories

Servicing Practitioners and Their Needs

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