



Nutritional, Herbal and Natural Medicines | Practitioner Education

December 2015

Hair Tissue Mineral Analysis Pathology

Issue 54

Season's Greetings

Welcome to December eNews.

This year has been a busy and productive one here at InterClinical Laboratories. This year's webinars have been a great success. We are hosting them to watch on demand, if you have missed out please scroll down for the links to purchase these recordings. 2016 brings with it some exciting new educational events, with details to be published in the new year.

In our final e-newsletter for this year, we feature a research article exploring the association between 10 elements and schizophrenia. Iron, copper, selenium, zinc, arsenic, aluminum, chromium, nickel, manganese and molybdenum levels were tested and compared to controls in a 1:1 matched case-control study. Scroll down for more information.

Christmas is usually the time for a little overindulgence, so we have our popular digestive health products on special for you this month. Our Trace Nutrients **HCL Plus** and **Digestive-Zyme** are both on a 5 + 1 special for the months of December and January. **Goaties** are the perfect stocking filler, and we have them on a 20% discount this festive season.

Our office will be closed from end of business Thursday 24th December and re-opening on Monday 4th January.

Wishing you good health, happiness and peace for the festive season and the New Year,



**DECEMBER
SPECIALS**

WHILE STOCKS

LAST

Quick Links

[Hair Tissue Analysis](#)

[Natural Health Products](#)

[Seminar Information](#)

The Staff at InterClinical Laboratories



Clinical Update

Comparison of 10 Trace Elements in Schizophrenia

A recent study explored the associations between schizophrenia risk and serum levels of 10 trace elements. Serum samples were tested for nickel, molybdenum, arsenic, aluminium, chromium, manganese, selenium, copper, iron and zinc by inductively coupled plasma–mass spectrometry. A 1:1 matched case–control study was matched by age and sex, a total of 114 schizophrenia patients and 114 healthy controls were recruited. The univariate analysis demonstrated lower concentrations of iron, copper, selenium, arsenic and molybdenum, as well as higher chromium and manganese were associated with increased risk of schizophrenia. The multivariate analysis found that copper $<0.97\text{mcg/mL}$, selenium $<72\text{ng/mL}$ and manganese $>3.95\text{ng/mL}$ were associated with an increased risk of schizophrenia. This research article demonstrated that lower levels of selenium, copper and nickel and a higher level of manganese were found in schizophrenia patients compared with healthy controls.

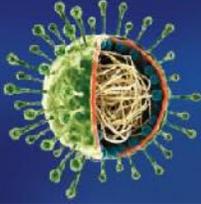
Liu, T et al. 2015. Comparative Study on Serum Levels of 10 Trace Elements in Schizophrenia. PLOS ONE, DOI: 10.1371/journal.pone. 0133622

Purchase our 2015 webinars to watch on demand

MONDAY 12 OCTOBER 2015
7:00PM

Practitioner Nutritional Medicine Webinars 2015
HAIR TISSUE MINERAL ANALYSIS

The Relationship Between Exposure to Epstein Barr Virus & Hair Tissue Mineral Analysis
A focus on EBV, the liver and copper.
Gary Moller



MONDAY 31 AUGUST 2015
7:00PM

Practitioner Nutritional Medicine Webinars 2015
HAIR TISSUE MINERAL ANALYSIS

The Nutritional Medicine Management & Detoxification of Lipophilic Heavy Metals
Dr Bradley McEwen PhD



AVAILABLE ON DEMAND UNTIL
MARCH 2015

Practitioner Nutritional Medicine Webinars 2015
HAIR TISSUE MINERAL ANALYSIS

Understanding metabolic typing:
Are you treating the tortoise or the hare?

PART ONE: the science of metabolic typing
PART TWO: fast vs slow – Implications for clinic



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 build your practice with better clinical outcomes.



Servicing Practitioners and Their Needs

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