



InterClinical  
Laboratories

# eNews

PRACTITIONER ONLY NEWSLETTER

July 2011, Issue 2

## InterClinical Laboratories eNews

July 2011 Issue: 2

### Leaders in HTMA Pathology and Nutritional Medicine



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[Click here for our  
2011 Seminar Series  
Don't miss out!](#)

We are well under-way for our 2011 seminar series, thanks to the fantastic delegates in Adelaide, Melbourne and Perth. Armed with freebies, specials and lots of current research on toxins and heavy metals, these practitioners were thrilled with the seminar.

Don't miss out on learning more about toxins and their impact on health, and how hair tissue mineral analysis can help!

A Comprehensive Overview of...  
**TOXINS IN THE 21ST CENTURY**

### **Toxins in the 21st Century**

How to Identify, Treat,  
Protect and Chelate using  
Natural Medicines.

We live in an increasingly  
toxic world, so this year's  
seminar is more relevant than  
ever!

Come along to build your  
knowledge, your clinical  
skills and improve your  
practice.

## ***How to Identify, Treat, Protect & Chelate using Natural Medicine***

Places still available for:

**SYDNEY - 18th & 19th JUNE... this weekend!**  
**BRISBANE - 25th & 26th JUNE**  
**AUCKLAND - 6th & 7th AUGUST**

[Click HERE for full details and registration](#)

**Comments from our 2011 Melbourne delegates:**

*"Thank you very much! Loved it!"*

*"Excellent value for cost of seminar, catering was delicious, appreciated the goody bags and the reassurance to call if further questions. Zac is very entertaining!"*

*"The two days were extremely interesting. Great information. All lecturers were a pleasure to listen to and very knowledgeable."*

## **Clinical Updates... Keep ahead of the rest!**

InterClinical Laboratories is abreast with clinical updates in the field of nutritional medicine, and we like to pass this information on to you!

### **Plastics and Diabetes**

Bisphenol A, a substance found in plastic bottles, and the lining of aluminum cans is widespread and has been related to diabetes, heart disease and other health conditions. Studies by the National Center for Environmental Health found bisphenol A in the urine of ninety-three percent of the participants tested. Bisphenol A mimics estrogen within the body and may also increase insulin levels. Even though the FDA released a document saying the chemical is safe at current exposure levels, Angel Nadal, of the Spanish Biomedical Research Network in Diabetes and Associated Metabolic Disorders in Spain states "I do not understand why the governments of the United States and Europe put money into studying



pollutants like bisphenol A and then later don't listen to what the scientists have found. They are using a last-century approach to toxicology." *Ehrenberg, R. Popular plastics chemical poses another threat: this time diabetes. Sci.News. 174,6. 2008.*

Hear up to date research and relate this to current case studies.

### **In This Issue**

[Practitioner Clinical Updates](#)



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### **Mercury and the Thyroid**

Tissue activation and inactivation of thyroid hormone in the brain, liver and other tissues is controlled by the deiodinases. Selenium is essential for deiodinase activity. Selenium is also sensitive to the amount of mercury present in the tissues and when deficient may alter neurodevelopment. Animal studies have shown that mercury accumulates in the thyroid gland and other tissues and binds with selenium. Mercury induced neurotoxicity is contributed to by a number of effects, producing inhibition of DNA, RNA and protein synthesis, increasing intracellular calcium accumulation causing a disturbance in neurotransmitter function, increases in oxidative stress and altering glutamate homeostasis. It can be surmised that mercury inhibits thyroid hormone synthesis, secretion and metabolism and can lead to deficits in neurodevelopment associated with gestational mercury exposure. *Soldin, OP, et al. Thyroid Hormones and Methylmercury Toxicity. Biol. Trace Elem. Res. 126, 1, 2009.*

## **About Us**

InterClinical Laboratories is one of Australasia's leading companies in complementary medicines, practitioner nutritional products and health screening services.

InterClinical Laboratories has been the leading provider for hair tissue mineral analysis (HTMA) services in Australia and New Zealand for over 15 years.

Don't forget, you can call or email us for technical assistance on hair analysis testing or any of our products. Let us help you to build your practice!

**Warm regards, InterClinical Laboratories.**