

David Quig, PhD

Appropriate laboratory testing for metal toxicology

About the lecture:

The basic concepts of metal toxicology will be presented with emphasis on the scientific rationale for “beyond the standard of care” lab tests that provide clinically relevant information regarding exposure to and net retention of toxic metals. The pros and cons of direct measurement of toxic metals in hair, whole blood and urine will be discussed, as well as objective tests for metal-induced oxidative stress. For safe and efficacious urine provocation testing, prerequisite assessment of liver function, glomerular filtration and endogenous antioxidant protection/detoxification should be performed. Follow up testing to evaluate the efficacy of therapeutic metal detoxification will be addressed.

About Dr. Quig:

David Quig received his Masters degree in Human Nutrition from Virginia Tech, and his Ph.D. in Nutritional Biochemistry from the University of Illinois. He was then a Post-Doctoral Fellow at Cornell University for five years, prior to serving as a Senior Cardiovascular Pharmacologist with a major pharmaceutical company for seven years. For the past 26 years, he has performed and published research pertaining to nutrition and chronic diseases. He regularly gives presentations at international and national biomedical conferences. Dr. Quig is currently Vice President, Scientific Support for Doctor’s Data, Inc. where he conducts studies pertaining to the effects of heavy metal and chemical toxicity on nutrition and metabolism and advises medical practitioners about the interpretation of laboratory test results and treatment options for their patients.

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