

Labs ~ Review, Learning Objectives
Presented by: Mark D. Emerson, DC, CCSP

1. Laboratory assessment numbers continue to increase each year as techniques and protocols improve. It is important for the DC to have a good baseline understanding of these tests.
2. To understand what tissues, organs and systems are evaluated within the standard blood tests that are commonly ordered daily by MD's, DC's and ND's.
3. To be aware of the normal and abnormal values relating to blood lab analysis in the assessment of the health status of patients coming into our offices.
4. How read and interpret blood analysis results for the detection of inflammation, hypertension, coronary artery disease and digestive dysfunction. Review of comprehensive blood panels relating to the functionality of the patient's major organs and the dietary status of the patient.
5. To provide patients with information and strategies to make healthy dietary and lifestyle choices and how chiropractic is an integral part of that decision based on their blood lab results.
6. How to implement the use of standard lab assessment protocols and results to assist the patient with conservative recommendations for the individual patient by the chiropractor in daily practice. Rational as to how and why this relates to the health management of the patient. How to convey in understandable terms to the patient, the physiological meaning of their blood tests and how it benefits the patient's overall health and life to understand these values.

Labs ~ Review, OUTLINE
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Hour 1-2:

- Overview of Standard Blood Tests that are commonly ordered daily by MD's, DC's and ND's and the Cells, Organs and Systems assessed in each study.
- Understanding Lab Reporting; Reference Ranges, Normal, Abnormal Results
- Evaluation of;
 - Bone Marrow, Kidney, Liver, Parathyroid, Pancreas, Vascular system – Arteries, Immune system
- Understanding Lab Results:
 - Complete Blood Count (CBC)
 - Comprehensive Metabolic Panel (CMP)

Hour 3-4:

- Understanding Lab Results:
 - Renal (Kidney) Function
 - Parathyroid Function
 - Liver Function
 - Pancreas Function
 - Vascular system – arteries
 - Immune system

Hour 5-6:

- Special Tests and Considerations
 - Inflammation
 - Special Chemistry Values
 - Lipids
 - Arterial Evaluation
 - Gluten Intolerance Tests
 - Intestinal Permeability Assessment
 - Nutrient Corollaries
 - Test