Lyme Disease: Understanding This 'Tick'ing Time Bomb

Course # 612-320-16 / 1.0 credit hours

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Level of Instruction: Basic
Category: Immunology
Target Audience: All are welcome

Description: This presentation will cover the biology of the causative agent of Lyme disease. We will discuss the clinical presentation of Lyme disease as well as the diagnostic algorithm and laboratory testing methods used at The Johns Hopkins Hospital. In addition, we will discuss the rates and causes of possible false positives in the laboratory diagnosis of Lyme disease.

Objectives:
At the completion of the presentation, the audience will be able to:

• Identify the clinical manifestations of Lyme disease
• Describe the laboratory testing algorithm for diagnosis of Lyme disease
• Explain some of the pitfalls in the diagnosis of Lyme disease

Questions:
1. List the two tick species in the United States which transmit the spirochete.

2. List three diseases vectored by *Ixodes scapularis*

3. List three symptoms of early disseminated Lyme disease

4. List two characteristics of post Lyme disease syndrome

5. Explain why Lyme Western Blot is a more specific test than other methods