

## **International Lyme and Associated Diseases Society (ILADS)**

### **Vector-Borne Illness Fundamentals**

**Activity Date: October 14, 2021**

This continuing medical education activity is provided through collaboration between the International Lyme and Associated Diseases Society (ILADS) and the American Academy of Family Physicians (AAFP). This live activity provides continuing medical education credit for physicians, as well as a certificate of attendance for other participants.

### **Overall Meeting Learning Outcomes**

At the conclusion of this activity, participants will be able to:

- Explain the epidemiology and risk factors for contracting Lyme Borreliosis and other vector-borne diseases;
- Understand the microbiology and pathophysiology of stealth pathogens;
- Recognize different ticks and the pathogens they may transmit;
- Discuss the basic facts regarding *Borrelia burgdorferi*, the agent of Lyme Borreliosis and its mechanisms for adaptation and survival;
- Identify the basic pathophysiology of early, late, and persistent Lyme Borreliosis;
- Identify clinical presentations of early disease, late, and persistent disease;
- Understand the various patterns of co-infections and how to formulate a working diagnosis;
- Discuss evidence-based treatment recommendations for managing patients with tick bites, erythema migrans, persistent disease, and understand Jarrisch-Herxheimer reactions and treatment flairs;
- Discuss basic facts and identify common presentations of Babesia, Bartonella, Ehrlichia, Anaplasma and spotted fever infections as well as some other opportunistic microbes;
- Recognize the role of laboratory testing in the diagnosis of babesiosis, bartonellosis, ehrlichiosis, anaplasmosis and spotted fevers;
- Discuss the treatment of babesiosis, bartonellosis, ehrlichiosis, anaplasmosis and spotted fevers;
- Discuss the role of Big Data in making more effective medical decisions;
- Recognize the presentation, diagnosis and treatment of vector borne illness in the pediatric population;
- Describe the aspects of neuro-borreliosis, neuro-psychiatric problems and PANDAS/PANS.

### **Disclosure Information**

The planners and staff of the ILADS 2021 Vector-Borne Illness Fundamentals CME activities have no financial or non-financial relationships to disclose.

The faculty of the ILADS 2021 Vector-Borne Illness Fundamentals CME activities have no financial relationships to disclose, with the exception of the following:

- Sam Shor, MD - Employee, Tick-Borne Centers for Excellence
- Robert Bransfield, MD - Speakers Bureau, Sunovion and Intra-Cellular Therapies
- B. Robert Mozayeni, MD - Board of Directors, Galaxy Diagnostics

Conflict of interest was resolved through peer review of content and slides.

Please be aware that some recommendations for Lyme and associated diseases are considered off-label usage by the FDA. Such discussion will be noted in the presentation.

### **Credit Statements**

The AAFP has reviewed Vector-Borne Illness Fundamentals (2021) and deemed it acceptable for up to 7.25 In-Person, Live AAFP Prescribed credit. Term of Approval is from 10/14/2021 to 10/14/2021. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **AMA/AAFP Equivalency:**

AAFP Prescribed credit is accepted by the American Medical Association as equivalent to *AMA PRA Category 1 credit(s)*<sup>™</sup> toward the AMA Physician's Recognition Award. When applying for the AMA PRA, Prescribed credit earned must be reported as Prescribed, not as Category 1.

### **Registration Information**

CME is included in the registration cost for this activity. To register for this activity, please visit:

<https://www.ilads.org/ilads-conference/ilads-annual-conference-2021-3/>

### **How to Claim CME Credit**

1. Login to the ILADS Member Portal at <https://ilads.users.membersuite.com/auth/portal-login>
2. Navigate to the ILADS Trainings Tab and select the Learner Management System
3. Once the LMS has opened, select **Vector-Borne Illness Fundamentals (2021)**
4. Select the Assessment, proceed and answer the questions; a passing score of at least 80% correct is required, unlimited retakes upon fail.
5. Select the Survey, proceed and complete the activity evaluation questions, being sure to select and complete all required information. Please note that you can save your responses and return to complete and submit the survey at a later time.
6. Record your responses by clicking Submit at the bottom of the evaluation form.
7. After your evaluation responses have been recorded, your certificate will be emailed to you.

*For additional information or questions, please contact ILADS at [conference@ilads.org](mailto:conference@ilads.org) or 301-263-1080 ext. 104.*