



# ACUTE LYME DISEASE

Diagnosis, Treatment, &  
New Research Initiatives

**DONALD GORDON CENTRE**

**May 1, 2019**

**8:00 AM - 1:00 PM**

Continuing Professional Development,  
Faculty of Health Sciences

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## WIFI CONNECTION

Server: QueensuSecure\_WPA2

Username: dgcguest | Password: Wifi@dgc

## AGENDA

- 8:00 AM** Registration
- 8:30 AM** **The Patient Perspective**  
Video of Patient
- 8:50 AM** **Epidemiology of Lyme**  
Kieran Moore, MD, CCFP(EM), FCFP, MPH, DTM&H, FRCPC Medical Officer of Health Program Director, Public Health and Preventive Medicine Professor, Department of Emergency and Family Medicine
- 9:10 AM** **Lyme Disease Clinical Considerations**  
Michael McDonnell, MD, FRCPC, Assistant Professor, Department of Emergency Medicine, Queen's University
- 9:30 AM** **Does It Make Sense? Lyme Disease Tests in Clinical Practice**  
Jorge Martinez-Cajas, MD, FRCPC, Assistant Professor, Departments of Medicine, Div. of Infectious Diseases, and of Biomedical and Molecular Sciences, Queen's University
- 9:50 AM** **Q&A Panel Discussion**  
Dr. Kieran Moore, Dr. Michael McDonnell, Dr. Jorge Martinez-Cajas
- 10:10 AM** **NUTRITION BREAK**
- 10:25 AM** **Common Clinical Presentations**  
Evan Wilson, MD, MSc, FRCPC, Assistant Professor, Division of Infectious Diseases, Department of Medicine, Queen's University
- 10:45 AM** **Special Case Presentations: Lyme Carditis**  
Adrian Baranchuk, MD, FRCPC, Prof., Depts. of Medicine, Div. of Cardiology and of Biomedical and Molecular Sciences, Queen's University
- 11:05 AM** **Special case presentation: OB/Gyn**  
Kirk Leifso, MD, FRCPC, Assistant Professor, Department of Pediatrics, Queen's University
- 11:25 AM** **Lyme Disease Research Network**  
Dr. Kieran Moore
- 11:45 AM** **Q&A Panel Discussion**  
Dr. Adrian Baranchuk, Dr. Kirk Leifso, Dr. Kieran Moore, Dr. Evan Wilson
- 12:00 PM** **Lunch with an Expert**  
Dr. Adrian Baranchuk, Dr. Jorge Martinez-Cajas, Dr. Kirk Leifso, Dr. Kieran Moore; Dr. Michael McDonnell

## LEARNING OBJECTIVES

### 8:30 AM - The Patient Perspective

At the end of this session, the learner will be able to:

1. empathize with the difficulties of navigating the health system and diagnosing LD from patient and physician perspectives
2. describe key recommendations for improved management of LD

### 8:50 AM - Epidemiology of Lyme

At the end of this session, the learner will be able to:

1. describe how public health identifies emerging infectious pathogens like Lyme Disease at national and regional levels
2. discuss the different level of strategies used to respond to emerging pathogens at national and regional levels
3. identify different stages and clinical manifestations of LD

### 9:10 AM - Lyme Disease Clinical Considerations

At the end of this session, the learner will be able to:

1. Identify some approaches to safe and easy tick removal
2. differentiate between the local skin reaction to a tick bite, and erythema migrans
3. Integrate current guidelines for tick bite prophylaxis

### 9:30 AM - Does It Make Sense? Lyme Disease Tests in Clinical Practice

At the end of this session, the learner will be able to:

1. identify of the principles of laboratory testing for LD
2. identify laboratory tests of proven scientific validity describe how to interpret laboratory tests within the spectrum of LD clinical presentation
3. identify limitations of LD serology

### 9:50 AM - Q&A Panel Discussion

At the end of this session, the learner will be able to:

1. discuss epidemiology and increasing burden of LD
2. discuss identification of tick bites and testing for LD
3. discuss need for education and awareness

## PLANNING COMMITTEE

**Robert McGraw, MD, FRCPC**, Associate Professor, Department of Emergency Medicine, Queen's University; Co-Director, Health Sciences Simulation Lab

**David W. Messenger, MD, FRCPC**, Assistant Professor, Department of Emergency Medicine; ICU Fellow

**Kieran Moore, MD, CCFP(EM), FCFP, MPH, DTM&H, FRCPC** Medical Officer of Health Program Director, Public Health and Preventive Medicine Professor, Department of Emergency and Family Medicine

### 10:25 AM - Common Clinical Presentations

At the end of this session, the learner will be able to:

1. recognize the signs and symptoms of early LD
2. Identify the signs and symptoms of early disseminated LD
3. discern the signs and symptoms of late LD

### 10:45 AM - Special Case Presentations: Lyme Carditis

At the end of this session, the learner will be able to:

1. recognize patients at high-risk of having Lyme carditis
2. demonstrate how to use the SILC (suspicious Index in Lyme Carditis)
3. describe a systematic approach for the management of Lyme carditis

### 11:05 AM - Special Case Presentations: OB/GYN

At the end of this session, the learner will be able to:

1. Recognize and diagnose Lyme Disease in Pregnancy
2. List the antibiotics effective for treating Lyme Disease in pregnancy
3. Recognize the manifestations of Lyme Disease, specifically Erythema Migrans, in children

### 11:25 AM - Lyme Disease Research Network

At the end of this session, the learner will be able to:

1. discuss current government priorities in regards to climate change and vector-borne disease
2. be able to collaborate with the Canadian Lyme Disease Research Network-CLYDRN
3. describe the patient recruitment process for the foundational resources of CLYDRN

### 11:45 AM - Q&A Panel Discussion

At the end of this session, the learner will be able to:

1. discuss natural history of Lyme disease
2. discuss research activities and protocols upon initiation of patient recruitment
3. discuss opportunities for collaboration with CLYDRN

### 12:00 PM - Lunch with an Expert

Learners will have an open dialogue on diagnosis and treatment of Lyme disease including: Patient centered issues; Individual case management

**Kirk Leifso, MD, FRCPC**, Assistant Professor, Department of Pediatrics, Queen's University

**Richard van Wylick, MD, FRCPC**, Associate Professor, Department of Pediatrics, Assoc. Dean, Continuing Professional Development, Queen's University

**Casey Petrie, MD**, Resident, Queen's University

**Jill McCreary**, Operations Manager, Department of Emergency Medicine

**Susan Holland**, Undergraduate Program Administrator Executive Assistant to the Department Head Department of Emergency Medicine

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