

# **2024 Pediatric Infectious Disease Conference**

## **Titles & Objectives**

Overall course objectives:

1. Provide an update on Pediatric Infectious Disease
2. Identify and develop an approach to common infectious diseases and immunization concerns.
- 3 Provide a forum for exchange of information relevant to infectious diseases for pediatricians, family physicians, residents and allied health professionals.

### **Infectious Disease Emergencies – Dr. Otto Vanderkooi**

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

- Identify key clinical features of infectious disease emergencies
- Outline empiric treatment options for invasive infections
- Highlight changes in epidemiology of pathogens causing severe infections

### **Tropical Cases – Dr. Stephen Vaughan**

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

- Describe your approach to fever in returning traveller.
- List three important causes of fever in returning traveller.
- Finish the sentence: Fever in returning traveller is caused by \_\_\_\_\_ until proven otherwise.

### **Pharmacists As Immunizers – Dr. Sherilyn Houle**

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

- Describe the scope of pharmacists related to vaccine prescribing and administration
- Identify opportunities and challenges impacting the availability of pediatric vaccination services in pharmacies
- Identify strategies to support interdisciplinary collaboration in vaccination in daily practice

### **Pregnancy – Dr. Eliana Castillo & Dr. Stephen Vaughan**

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

- List routine prenatal infection screening tests
- List three infections that are more likely in patients without pre-natal care

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### **Group A Strep: When and How to Treat and Eradicate – Dr. Otto Vanderkooi**

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

- Appreciate the changing epidemiology for Group A Strep in pediatrics
- Contrast clinical and microbiologic features of invasive vs non invasive group A streptococcal disease
- Summarize treatment and eradication options for Group A strep infection

### **Management of Pneumonia in Children – Dr. Joan Robinson**

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

- Appreciate changes in the epidemiology of pneumonia causing pathogens in pediatrics
- Summarize the changes in treatment (specifically to duration)
- Review pneumonia relevant vaccines in pediatrics

### **Techniques For Tots: Collecting Samples For Common Infectious Skin Problems In Kids – Dr. Michele Ramien**

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

- Identify key features of common infectious skin problems
- Develop an approach to confirm a diagnosis with the right sample
- Confidently initiate management or referral for common skin infections

### **Derm 911: Infection Or Not? – Dr. Michele Ramien**

- Identify key features of urgent infectious skin problems
- Consider and exclude differential diagnoses
- Implement an approach to fever and rash including drug rashes

### **Travel Associated Infections and Risks in Pregnancy – Dr. Eliana Castillo**

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

- Appraise the epidemiology of various infectious agents across the different pregnancy trimesters
- Summarize travel related vaccines relevant for protection in people who are pregnant
- Discuss travel safety as it relates to pregnancy and infectious diseases.

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### **Covid 19 Vaccine Update – Dr. Sherilyn Houle**

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

- Describe currently circulating variants of Covid 19 and their evolution over time
- Compare and contrast vaccine product options indicated for use in children
- Address frequently asked questions about Covid 19 vaccinations for children

### **RSV Infection & New Development in Prevention Strategies – Dr. Joan Robinson**

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

- Outline how RSV manifests throughout the lifespan.
- Explain both sides of the controversies related to the use of the new monoclonal antibody nirsevimab and use of maternal RSV vaccine.
- Determine who else should potentially receive RSV vaccine.

### **Challenging Cases – Dr. Danah Alsharrah & Dr. Yara Falatah**

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

- Discuss the case clinical presentation and the usual approach for such presentation
- Discuss the infectious work up done for the patient and the results
- Discuss the management options and the most recent guidelines, recommendations and research