2027 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.

Overall learning objectives:

By the end of this session / course /activity participants will be able to

1. Summarize updates on Pediatric Infectious Disease
2. Identify and develop an approach to infectious disease and immunization concerns.

Stop the Spread: Infection Prevention and Control
Dr. Mark Joffe

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

1. Recognize the importance of Infection Prevention and Control in Inpatient and Outpatient settings.
2. Describe the principles of IPC to improve patient and healthcare worker safety.
3. Apply IPC measures and practical prevention strategies

Common or Concerning? Clues + To-Dos for Pediatric Head + Neck Infections
Dr. Susan Kuhn

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

1. Understand how the differences between children and adults that influence the type and severity of head and neck infections.
2. Recognize the features of potentially serious head and neck infections in children.
3. Discuss the microbial causes of these conditions and the treatments used as a result

Rabies: One Bite, One Lick, Once Chance To Prevent It. From Animal Exposure To The Human Brain
Dr. Earl Rubin

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

1. Describe rabies virology, epidemiology, transmission, incubation, and clinical illness.
2. Distinguish high-risk from low-risk animal exposures
3. Explain wound care, PEP regimens, immune globulin, PrEP, and animal-control strategies

Osteoarticular Infections in Children : Management update
Dr. Michelle Barton-Forbes

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

1. Classify osteoarticular infections
2. Discuss the pathogenesis and microbiology of osteoarticular infections in children
3. Summarize management in the context of current guidelines

Close Encounters of the Infectious Kind: Zoonoses Explained
Dr. Earl Rubin

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

1. Define zoonotic diseases and identify the major routes of transmission from animals to humans, including direct contact, contaminated food and water, aerosols, and vectors.
2. Recognize common zoonotic infections associated with domestic animals, wildlife, and pets, including their clinical presentations, risk factors, and potential health consequences.
3. Explain the impact of environmental changes, including climate change, habitat fragmentation, and human-animal interactions, on the emergence and spread of zoonotic diseases.

What's New with 'Flu?
Dr. Mark Joffe

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

1. Describe the clinical manifestations and impact of influenza.
2. Appreciate the history and evolution of influenza and need for pandemic preparedness.
3. Evaluate strategies for influenza prevention

Travel Vaccines: Chikungunya and Beyond – What's New and What's Next
Dr. Susan Kuhn

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

1. Describe new and emerging travel vaccines, including those not yet available in Canada.
2. Discuss how these vaccines may be incorporated into pre-travel preparation for children.
3. Recognize the role of primary and community pediatric care practitioners in promoting the health and safety of pediatric travellers.

Meningococcal disease in Children: What's new in vaccine recommendations?
Dr. Michelle Barton-Forbes

1. By the end of this session, participants will be able to:
   Discuss changes in Canadian epidemiology of invasive meningococcal disease
2. List vaccine products available for prevention of meningococcal disease
3. Summarize NACI guidance for prevention of meningococcal disease in high risk and low risk populations

Vaccine Hesitancy
Nicole McMilland
Emi Linds

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

1. Identify key factors contributing to vaccine hesitancy among parents and caregivers, including misinformation, cultural beliefs, and concerns about vaccine safety and effectiveness.

2. Apply evidence-based communication strategies to address vaccine hesitancy, build trust, and support informed decision-making among families.
3. Develop practical approaches to discussing vaccine recommendations with hesitant parents and caregivers to improve vaccine confidence and uptake in pediatric populations.

Challenging Cases
Dr. Marwah Hakami

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

1. Discuss the case clinical presentation and the usual approach for such presentation
2. Explore the infectious diagnostics pertinent to the case
3. Outline the management options and the most recent guidelines and recommendations

Neonatal Rashes
Dr. Michele Ramien

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

1. Differentiate benign transient neonatal eruptions from eruptions that warrant urgent investigation.
2. Describe the cutaneous features of congenital and perinatal infections that should prompt empiric antimicrobial therapy.
3. Select appropriate bedside and laboratory investigations for a neonate presenting with a vesiculopustular eruption.

Tips And Tricks For Infectious Dermatology Conditions In Children
Dr. Michele Ramien

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

1. Differentiate common pediatric cutaneous infections from commonly mistaken non-infectious conditions.
2. Apply bedside diagnostic techniques to confirm a suspected cutaneous infection.
3. Select first-line topical and systemic therapy for common pediatric skin infections.