



A PRACTICAL COURSE IN EMERGENCY MEDICINE December 9-10, 2024



This course is intended for primary care physicians who include Emergency Medicine in the scope of their practice. Through plenary sessions and interactive workshops, participants will learn how to approach and how to manage problems commonly seen in the Emergency Department. Controversies and new developments will be highlighted.

OVERALL LEARNING OBJECTIVES

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

- Assess common problems seen in the Emergency Department
- Manage a wide variety of acute emergency presentations
- Apply new developments to clinical care
- Identify controversies in new investigations, management strategies and therapies
- Optimize patient care when resources are limited.

MONDAY, DECEMBER 9th, 2024

Focus on The Evidence behind the Medicine

Alternatives to Imaging in the Management of Head Trauma in the Elderly: The Falls Clinical Decision Rule – *Justine Lessard*

- Learn the pitfalls of existing clinical decision rules regarding mTBI
- Apply new clinical decision rules to forego the need for CT for a fall in the elderly population
- Discuss the indication for a transfer to a neurotraumatology centre with positive findings on head CT within the mTBI population

ED Management of Opioid Withdrawal – *Josh Wang*

- Understand why an opioid-centric approach to managing acute opioid withdrawal in the emergency department is best
- Identify the risks and benefits associated with methadone and buprenorphine/naloxone in order to best treat emergency patients with opioid use disorder

Best Disaster Medicine Articles of 2024 – *Valérie Homier*

- Present pertinent sources of information regarding Disaster Medicine literature and guidelines
- Summarize the best disaster medicine articles published the last year
- Discuss gaps in the Disaster Medicine literature and opportunities for research

Focus on Cardiorespiratory Emergencies

Climate Conscious Emergency Medicine Practice – *Signe Richer*

- Understand how climate change will affect delivery of care in the emergency department
- Acknowledge healthcare's impact on climate change
- Identify actions to mitigate the climate harms of healthcare in the emergency medicine setting

Assessment and Management of COPD Exacerbations in the ED: What you don't know could be hurting your patients – *Mitch Shulman*

- Understand the significance of the disease
- Managing COPD Exacerbations more effectively
- Apply logical and safe criteria for admission and discharge
- Minimize COPD exacerbations/recurrences

Life-threatening Trauma Emergencies – *Raphael Hamad*

- Identify and prioritize management of life-threatening traumatic injuries
- Evaluate and apply advanced trauma resuscitation techniques in decision-making
- Implement an interdisciplinary approach to trauma care in high-pressure scenarios

JC DICKISON MEMORIAL LECTURE

THE CANADIAN TRAUMA LANDSCAPE: GAPS IN THE GUIDELINES – *Audrey Marcotte | Kaviraj Singh-Gosal*

- Appreciate the structure and struggles of Canadian Trauma Systems.
- Contrast rural vs urban issues in application of massive hemorrhage protocol, management of extremity injuries, and imaging choices.
- Identify and appreciate literature gaps for the rural trauma patient.

WORKSHOPS – SESSION A & B

Can't Miss Ischemic EKGs – *Carina Antczak*

- Describe the EKG findings necessary to fulfill AHA STEMI criteria
- Understand why and how this definition is fallible and why 'acute coronary occlusion' is a more appropriate definition
- Localize myocardial injury to various regions of the heart by understanding how EKGs are produced and how myocardial injury changes this EKG pattern
- Familiarize yourself with the various EKGs presentation that are suggestive of acute coronary occlusion

The Red Eye – Robert Goulden

- Recognise site-threatening causes of an acute red eye
- Know which red eye complaints need to see ophthalmology and when
- Have an evidence-based approach to managing common red eye complaints

Dermatological Considerations, Cues and Pearls for Patients with Dark Skin in the ED – Harmine Léo

- Distinguish of the particularities related to dermatological presentations on darker skin
- Familiarize yourself with literature guiding these concepts
- Integrate the material by analyzing and solving different cases

Acute End of Life Care in the ED – Philippe Ouellet

- Identify the patients that would benefit from a palliative care intervention in the ED
- Plan trajectory for patients based on goals of care assessment in the ED
- Discuss evidence-based treatment options for common symptoms related to end-of-life care

Practical Tips on How to Teach Effectively in the ED – Anali Maneshi / Humaid Alkhateri

- Effectively assess learners' baseline knowledge and experience at the beginning of the shift to customize the teaching depth and complexity.
- Prioritize and emphasize key teaching points to improve learner retention and understanding without causing cognitive overload.
- Coach learners in an emergency medicine-specific approach to seeing patients, focusing on critical time management skills.
- Discuss strategies in delivering constructive feedback at the end of the shift to reinforce learning, address gaps, and complete the teaching process.

TUESDAY, DECEMBER 10th, 2024

Canadian Medical Protective Association

Navigating AI in Healthcare – Heather Murray

- Analyze the current landscape of AI applications in health care
- Understand medicolegal risks when using AI
- Describe strategies that could reduce medicolegal risks when using AI to support medical care

WORKSHOPS – SESSION C & D

Know Your Risk: CMPA Medico-legal Cases from EM – Heather Murray

- Analyze representative patient cases
- Identify strategies at the individual or team or system level which could improve patient safety for these cases
- Examine approaches to mental health challenges for physicians in the aftermath of a bad outcome

Approach to the Painful Shoulder in the ED – Scott Delaney

- Determine if a rotator cuff injury is present and how injection of local anesthetics may help with the diagnosis
- Determine if an acromioclavicular injury or shoulder instability is present
- Determine if a labral tear is present in the shoulder

Pediatric Hand and Finger Injuries: Know their Management like the Back of your Hand – Cathie-Kim Le

- Identify and manage pediatric specific hand injuries
- Recognize the "not-to-miss" hand injuries in children
- Review new changes in the literature on management of pediatric hand injuries

Toxic Alcohols: Mind the Gaps – Constance LeBlanc

- Use biochemistry to manage OH ingestions
- Apply biochemistry in the clinical setting
- Know the best evidence in caring for these patients

Top Articles in Emergency Medicine – Reda Boushehri

- Critically appraise the articles presented, including an understanding of methodology, analysis, and bias
- Identify the clinical practice change suggested by the new research / article
- Implement recent evidence-based findings in improving the clinical care of ED patients

Focus on Re-Thinking Emergency Medicine

Human Trafficking: Labour and Sex Trafficking in Canada – Sarah Lalonde

- Define human trafficking
- Describe how human trafficking presents in the emergency department
- Use a validated screening tool to identify victims of human trafficking
- Describe an approach to the patient experiencing human trafficking

Approach to Dyspnea in a Post-COVID World – *Maxime Cormier*

- Understand the pathophysiology of dyspnea
- Elaborate a differential diagnosis for common and less common causes of subacute/chronic dyspnea based on age and risk factors
- Discuss how different paraclinical tests can help in narrowing a differential diagnosis for subacute/chronic dyspnea

How I Survived 35 Years in EM – *Constance LeBlanc*

- Pay close attention to the human facets of EM work
- Recognize that our privilege is real, and use it for good for ourselves and for others
- Do what you love to advance your career

HELEN KAROUNIS MEMORIAL SERIES IN PEDIATRIC EMERGENCY MEDICINE

Dental Injuries – *Cathie-Kim Le*

- Identify time-sensitive dental injuries
- Manage dental injuries in children
- Manage mucous membranes lacerations in children

Feverish Encounters in the ED: Navigating Kawasaki Disease – *Piya Lahiry*

- Understand the criteria for complete and incomplete KD
- Identify features that increase the risk of coronary artery aneurysm development
- Understand management principles of KD

Management of Well-Appearing Febrile Young Infants Aged ≤ 90 Days – *Brett Burstein*

- Be familiar with new guidelines from the Canadian Paediatric Society for febrile young infants
- Understand the role of inflammatory markers to guide management
- Know how to apply modern clinical prediction rules for risk-stratification