



## COURSE DESCRIPTIONS

### *Breathe Easy: Airway Cases*

*Faculty: Colin G. McCloskey, MD*

We have all had them - cases that challenged our airway management skills. Discussing these challenging cases is the best way to improve & help avoid disastrous outcomes. Join these experts in an interactive & relaxed environment to cover some of their enlightening cases. By discussing the anatomic & physiologic hazards, as well as the strengths & weaknesses of individual rescue devices, this course aims to improve everyone's ability to recognize & manage the difficult & challenging cases before they become disastrous.

- Discuss anatomic & physiologic hazards of specific medical & traumatic conditions that require advanced airway management.
- Describe airway devices can be used as well as those to avoid.
- Develop a sophisticated airway management plan for the dying ED patient.

---

### *The Physiologically-Difficult Airway -- Steps to Prevent Your Patient's Inevitable Demise*

*Faculty: Steven T. Haywood, MD*

Emergency medicine physicians are masters of the emergent airway. Although we are quite familiar with the anatomically difficult airway, predicting the physiologically difficult airway is more of a mystery. Several physiological parameters may predict catastrophic outcomes during or immediately after intubation. In this talk, we discuss predictors of the physiologically-difficult airways, and strategies to mitigate disastrous outcomes.

- Identify the four physiologic parameters that can lead to cardiovascular collapse during airway management: hypoxemia, hypotension, severe metabolic acidosis, and right ventricular failure.
  - Discuss techniques used to mitigate the adverse outcomes associated with these physiologic derangements.
  - Review the evidence that addresses the physiologically-difficult airway
-



## COURSE DESCRIPTIONS

### *Hey Doc, What's This? Cutaneous Findings to be Concerned About*

*Faculty: Catherine A. Marco, MD, FACEP*

Patients come in for unrelated complaints and sometimes we get a "Hey, doc can you look at this too?" It is important for emergency physicians to recognize if a skin lesion represents something more ominous, requiring referral and treatment. In this course, the speaker will explore cutaneous cancers as well as skin findings representative of something deeper.

- Identify the characteristics of the most common cutaneous cancers.
- Describe dermatologic findings of systemic diseases, such as cancer, inflammation, bowel disease, immune disorders, & dermatomyositis.
- Discuss the management and treatment of patients with cutaneous cancers or skin findings representative of systemic disease,

---

### *Dogmalysis: Challenging Myths & Dogma in Emergency Medicine*

*Faculty: Matthew A. Silver, MD, FACEP*

Medicine is littered with many practices that are based on dogma and passed down from generation to generation with little supporting evidence. Many of these practices are taught to us in medical school and residency and become hardwired as irrefutable facts. Explore some of the more common dogmatic practices in emergency medicine and explore the evidence (or lack thereof) upon which these practices are based.

- Explore how practices that lack supporting evidence can lead to increased expenditures and poor care.
  - Discuss common practices in emergency medicine that lack supporting evidence.
  - Analyze the existing literature and ensure that common practices in EM are aligned with the best available evidence.
-



## COURSE DESCRIPTIONS

### *Advanced Topics in Geriatric Emergency Medicine*

*Faculty: Katren Tyler, MD*

Are you interested in implementing initiatives to improve care for geriatric patients in your emergency department? Are you an educator in need of more in-depth education in geriatric emergency medicine (GEM) to enhance the education you provide your trainees? Are you looking to become in being a director of a geriatric emergency department (GED)? This didactic is for you! This course is designed to provide advanced education in geriatric emergency medicine for individuals interested in improving geriatric emergency care in their hospital and/or health system. This course will review program level and patient level changes in care delivery that will improve care provision to older emergency department patients. Attendees will also gain insights for engaging institutional leaders and ED staff in care transformation for geriatric patients. Care experiences from urban, rural, academic, and community emergency departments will be highlighted. Participation in this program will qualify towards education requirements for geriatric ED accreditation.

- Describe physical environment changes and key supplies in a senior-friendly emergency department
- Compare and critique different staffing models for optimizing geriatric emergency care and design facility specific geriatric emergency medicine protocols
- Evaluate an emergency medicine curriculum for knowledge gaps in core GEM domains and synthesize a geriatric emergency medicine educational curriculum

---

### *Whats new in infections down there*

*Faculty: Daniel McCollum, MD*

Sexually transmitted Infectious disease concerns are prevalent in the ED. A discussion of the current state of treatment and an understanding of the pathogenesis of each are needed.

- Describe the most up to date management of sexually transmitted infection.
  - Discuss pitfalls in evaluation and management Outline strategies to optimize patient care
  - Outline strategies to optimize patient care
  - Discuss the epidemiologic burden of disease
-



## COURSE DESCRIPTIONS

### *HIV in the ED - What you need to know to maximize care for this patient population in 2020*

*Faculty: Daniel McCollum, MD*

This course will explore the common presentations and complications providers are likely to encounter when caring for those infected with HIV in the emergency department.

- Understand the acute retroviral syndrome and how/when best to detect it.
  - Identify common opportunistic infections associated with HIV in the current climate and the risks for such.
  - Know the indications to starting antiretroviral therapy (ART), the basic regimens and some complications associated.
- 

### *Kidney Krunch: Renal Issues That Matter*

*Faculty: Camiron L. Pfennig, MD, FACEP*

The kidneys work hard to filter blood & produce urine. As an emergency physician you see patients every day with varying stages of renal disease. What are some of the considerations we need to think about treating patients with & without renal disease. We will discuss important issues such as criteria for dialysis, managing AKI, iodine contrast administration in the healthy & compromised kidney, and considerations regarding nephrotoxic medications.

- Discuss when we should send a patient for dialysis, is there a specific set of criteria.
  - Discuss the criteria for and management of AKI.
  - Iodine contrast administration in the healthy & compromised kidney.
  - Considerations regarding nephrotoxic medications.
-



## COURSE DESCRIPTIONS

### *Subtle Strokes: Symptoms You Can't Neglect!*

*Faculty: David Zooda, MD*

Stroke can be devastating and made even worse if the subtle or atypical symptoms are not recognized and action taken right away. This case based presentation will leave you an arsenal of "can't miss" examples of unusual presentations of stroke. Recognize these zebra like symptoms when you hear hoof beats.

- Describe posterior stroke pathology and symptoms.
  - Describe the most common misdiagnosis for patients presenting with subtle signs of stroke.
  - Describe cognitive bias issues that may lead to missing the subtle symptoms of a stroke.
- 

### *Demented, Delirious, or Depressed? Not You, Your Patient*

*Faculty: Evie G. Marcolini, MD, FACEP*

Three patients came to your ED today. They are typical elderly emergency department patients with dementia, delirium or depression. Telling which patient has what disease can be difficult, yet extremely important to ensuring safe & proper care. The speaker will take you through case vignettes about these three people illustrating core principles for accurate diagnosis & evidence-based management of these often confusing diagnoses.

- Apply standard diagnostic criteria for the screening & diagnosis of delirium, dementia, & depression in the elderly ED patient.
  - Identify predisposing & precipitating risk factors for delirium & strategies for risk reduction in the ED.
  - Utilize evidence-based approaches to pharmacologic & non-pharmacologic management of patients with delirium, dementia & depression.
-



## COURSE DESCRIPTIONS

### *Going to Pieces: Rapid, High Yield ED Ortho Exam*

*Faculty: James A. Webley, MD*

Patients with orthopedic injuries frequently present to the ED. The speaker will describe the “rapid, high-yield” orthopedic examination & “tricks of the trade” used by master clinicians. What are common errors on the physical examination to be avoided? What should I document in my note? What does the orthopedic surgeon want to hear on the phone? What are the most important aspects in timing the follow-up? The speaker will focus on the shoulder, elbow, wrist, knee, ankle, & foot.

- Discuss the relevant anatomy & pathology.
  - Describe proper documentation of the rational orthopedic examination.
  - Elaborate on effectively communicating with orthopedic surgeons.
- 

### *Brief Resolved Unexplained Event (previously know as ALTE) - who can go home?*

*Faculty: Ian Kane, MD*

The brief resolved unexplained event (BRUE - previously known as a parent life threatening event ALTE) usually presents in a seemingly benign manner, however there is some associated morbidity & mortality. How can we risk stratify these children? Can the BRUE child go home? The presenter will discuss the most current, evidence-based literature on the topic. A reasonable initial evaluation & management strategy will be conveyed.

- Explain the definition of a brief resolved unexplained event (BRUE).
  - Discuss the most common causes of ALTE/BRUE & know some of the more unusual ones as well.
  - Form an evidence-based approach to the evaluation, management, and disposition of patients who have had and ALTE/BRUE.
-



## COURSE DESCRIPTIONS

### *Different Strokes for Pediatric Folks*

*Faculty: Amanda B. Price, MD*

Pediatric strokes are increasingly recognized in pediatric & community EDs. Cased-based presentations of pediatric strokes will reviewed. Challenges in the recognition & mimics of pediatric stroke are also critical to understand in the timely diagnosis of this emergent presentation. Treatment strategies including tPA & interventional radiology will be explored. Challenges & community-based strategies to treatment & identification will be discussed.

- Determine the epidemiology, presentation & mimics of acute pediatric ischemic CVAs.
- Explain diagnostic strategies including ideal approaches to acute imaging in pediatric patients.
- Identify treatment strategies in this critical time based presentation.

---

### *Pediatric Procedural Hacks: What they didnt teach you in residency*

*Faculty: Russ Horowitz, MD*

What is the best way to remove tenacious earwax? What are best meds for anxiolysis so you can avoid full sedation? How to engage parents in helping children tolerate procedures? The speaker will share experiences and expert insights to help you make things much easier for you, the kid, and the parents that are not necessarily taught in any textbook.

- Identify effective physical examination techniques that are age or developmentally appropriate.
  - Describe 5-10 new diagnostic or therapeutic pearls specific to children not previously known.
  - Apply these pearls in the setting of a general emergency medicine practice.
-



## COURSE DESCRIPTIONS

### *Pink Puffers & Blue Bloaters: Pearls & Pitfalls for COPD Management*

*Faculty: Boyd Burns, DO, FACEP*

Exacerbations of chronic obstructive pulmonary disease is an all too common presentation to any ED. From mild exacerbations to critically ill patients in respiratory failure, the emergency physician must be ready to manage the full spectrum of disease. This session will review best practice in the initial management of the COPD patient from start to finish to ensure you are providing the best care possible to the huffing and puffing patient.

- Explain the initial management approach to patients presenting with COPD exacerbations to the ED.
- Consider other disease processes that may mimic COPD or might lead to exacerbations of this common presentation.
- List indications for positive pressure ventilation in COPD exacerbations.
- Describe possible complications of mechanical ventilation in patients with COPD once intubated

---

### *Been There, but Hope to Never Do That Again: Averting Common Airway Errors*

*Faculty: Erik Laurin, MD*

Through the use of real-life critical airway cases, this presentation will focus on strategies to avert frequent errors in advanced ED airway management. Common airway pitfalls & strategies to minimize the potential for errors & mistakes will be tackled. The presenter will also discuss error disclosure, as well as strategies to prevent error scenarios in your practice.

- Identify common pitfalls inherent to critical airway management in the ED.
  - Define strategies to prevent errors in advanced airway management.
  - Discuss the importance of error disclosure.
-



## COURSE DESCRIPTIONS

### *Gynecologic Complaints in the Young and Old: GU Issues at the Extremes of Ages*

*Faculty: Sara L. Manning, MD*

Variations in estrogen levels across a woman's lifetime leads to important changes in genital physiology and pathophysiology. This course will discuss important physiologic changes in the pre-pubertal and post-menopausal patient as well as important pathophysiologic processes that occur.

- Discuss physiologic genital changes that occur in low estrogen states.
  - Discuss tips in performing the pelvic examination in pediatric or elderly patients.
  - Explore unique gynecologic pathologic conditions in the pediatric population, including vaginal foreign bodies, and discuss treatment options for each.
  - Explore unique gynecologic pathologic conditions in the post-menopausal population and discuss treatment options for each.
- 

### *Adult Trauma Pearls and Pitfalls*

*Faculty: Maria E. Moreira, MD, FACEP*

The speaker will incorporate ATLS updates, pearls, and pitfalls in discussing adult trauma cases. Key considerations for unique patient populations will also be discussed.

- Describe updated ATLS guidelines and various topics relating to trauma, including REBOA.
  - Discuss pearls for the pregnant trauma patient.
  - Discuss pearls/pitfalls for the elderly patient.
-



## COURSE DESCRIPTIONS

### *Advanced Wound Closure in the ED: Putting the Pieces Back Together*

*Faculty: Robert Stenberg, MD*

The management of lacerations represents a major component in the practice of emergency medicine. This course will focus on new devices & techniques for wound repair in 2019.

- The management of lacerations represents a major component in the practice of emergency medicine. This course will focus on new devices & techniques for wound repair in 2020.
  - Review current literature surrounding wound management.
  - Describe various advanced wound suturing & alternative closure techniques.
  - Describe new devices & techniques for wound closure.
- 

### *Big Hurts, Small People: Pain Management of the Pediatric Trauma Patient*

*Faculty: Marianne Gausche-Hill, MD, FACEP, FAAP*

Effective pain management for the pediatric trauma patient is often perceived as challenging & even dangerous. The speaker will explain why it is not only possible to effectively & safely control pain in the patients, but also why it is essential for both acute & long-term outcomes.

- Effective pain management for the pediatric trauma patient is often perceived as challenging & even dangerous. The speaker will explain why it is not only possible to effectively & safely control pain in the patients, but also why it is essential for both
  - Develop strategies to recognize pain in the pediatric trauma patient.
  - Develop pediatric pain treatment plans, utilizing effective medications.
  - Identify strategies to effect long-term outcomes through early recognition & treatment of pain in the trauma patient.
-



## COURSE DESCRIPTIONS

### *Handy Skills: Reading a Hand/Wrist X-Ray*

*Faculty: Jeremy S. Faust, MD, MS, FACEP*

Few anatomical areas are as hard to remember as the wrist & hand, yet it is one of the most common plain films ordered in the ED. This session will be a high yield review of the anatomy & provide an approach to reading these common x-rays. Common injury patterns to the hand & wrist will then be emphasized in this case-based quick hit session.

- Identify the osseous anatomy of the hand & wrist.
  - Describe an approach to reviewing the hand/wrist x-ray.
  - Describe the five most important injury patterns of the hand/wrist that are found with plain film imaging.
- 

### *Critical Appraisal and FOAMed: Is FOAMed the Problem or the Solution?*

*Faculty: Jeremy S. Faust, MD, MS, FACEP*

How good are emergency physicians at clinical appraisal of the peer-review literature? Two of emergency medicine's most prolific and popular podcasters will describe best practices on critical appraisal and describe how the Free Open Access Medical Education movement (FOAM or "FOAMed"), has become the vanguard for critical appraisal of the peer-review medical literature. Dr. Faust and Dr. Westafer will introduce participants to some of the major voices in critical appraisal today, and give concrete examples of where expertise found in the FOAMed space has debunked dubious conclusions and spin found within even medicine's most prestigious journals and spread awareness of flaws in the literature. The speakers will also discuss strategies for obtaining a healthy balance between FOAMed consumption and classic core learning modalities.

- Describe some of the influential free open access medical education resources and authors focusing on critical appraisal of peer-reviewed medical literature.
  - Describe best practices for critical appraisal fo peer-review medical literature.
  - Highlight the differences between FOAMed-based critical appraisal tools and resources and traditional tools included journal watches and others.
-



## COURSE DESCRIPTIONS

### *Approach to the Unknown Rash*

*Faculty: Catherine A. Marco, MD, FACEP*

Knowing how to identify & classify a skin lesion is an essential component in developing a systematic & organized approach to any lesion. The speaker will present guidelines for the proper diagnosis of various dermatologic conditions using case presentations to illustrate these concepts.

- Describe dermatologic conditions by the type of lesion & the distribution area.
  - Develop a systematic approach to assessing & treating skin lesions.
  - Identify dermatologic conditions requiring emergency interventions.
- 

### *Number Needed to Treat: Pinpointing ED Interventions That Matter Most*

*Faculty: Jeffrey Tabas, MD, FACEP*

Make it stick! Take a deep dive into understanding the Number Needed to Treat (NNT). Review publications addressing common complaints and diagnoses, and decipher how they stack up in terms of the NNT. Review publications using NNT and navigate how the EPs can use this information to derive the most benefit for their patients when time and resources are a challenge.

- Define the term number needed to treat.
  - Describe the impact of individual interventions commonly used in the ED and which should be prioritized vs. de-emphasized.
  - Examine a study and detect the NNT.
-



## COURSE DESCRIPTIONS

### *Emergency Care for Transgender Patients*

*Faculty: Emily C. MacNeill, MD*

Provision of sensitive & effective care for transgender patients is a basic cultural competency for emergency physicians. Yet, emergency physicians receive little formal training on care of this population which contributes to healthcare disparities. This presentation aims to enhance emergency care for transgender patients by addressing common gaps in knowledge & skills.

- Explain the importance of emergency physicians having cultural competency in the care of transgender patients.
  - Describe current state of education around transgender health for emergency medicine physicians.
  - Explore best practices in caring for transgender patients & apply this to your own unique environment & practice of emergency medicine.
- 

### *Non-Traditional AMI Presentations: Don't Miss the Diagnosis*

*Faculty: Amal Mattu, MD, FACEP*

Atypical presentations of ACS are medical and legal challenges. Groups at higher risk of these unusual presentations include extremes of age, female gender, and those with comorbid disease such as diabetes. These challenging patient presentations are reviewed highlighting key caveats, pearls, and pitfalls.

- Describe the typical "atypical" presentations in ACS.
  - Identify the common reasons for not identifying ACS in the ED.
  - Highlight strategies to maximize ACS diagnosis.
- 

### *Acute Decompensated Heart Failure: Time Critical Interventions*

*Faculty: Amal Mattu, MD, FACEP*

Over the past few years, we have made dramatic improvements in our ability to rapidly diagnose acute heart failure. Treatment pathways have become more evidenced based and patients that were once an "auto-admission", are now dispositioned to a variety of settings. The speaker will review the current evidence in diagnosing, treating and dispositioning patients with acute heart failure.

- Review current evidence on the diagnosis of acute heart failure
- Review indications for the different therapeutic approaches in managing decompensated heart failure
- Identify strategies that reduce patient morbidity and hospitalization



## COURSE DESCRIPTIONS

---

### *From Paper to Patient: Recent Advances in Emergency Electrocardiography That Will Save a Life* Faculty: Amal Mattu, MD, FACEP

Tremendous advances have been made in the field of electrocardiography in the past several years. We are now able to detect subtleties that may literally mean either detection of disease and/or changing management that can save lives. Join an expert in reviewing electrocardiographic pearls buried in years of bench studies. Once you have finished this review, you will have new knowledge and skills in ECG analysis and understand the literature behind it.

- Identify deficiencies in knowledge translation on electrocardiographic data that may not be utilized for improved patient care.
  - Capture subtle manifestations of cardiac disease that are outside regular knowledge boundaries and teaching.
  - Provide an algorithm for advanced electrocardiographic analysis.
  - Utilize evidence-based electrocardiographic studies as a basis for practice patterns in cardiac care.
- 

### *Myocardial Ischemia & Mimics: ECG Cases* Faculty: Amal Mattu, MD, FACEP

One of the first priorities in ECG analysis is to look for patterns of injury. Myocardial ischemia can be subtle on an ECG & can be mimicked by several pathological processes. The speaker will focus on a diagnostic approach to the recognition of myocardial ischemia. Differentiation from other diseases & normal variants also will be reviewed. By the time you are finished, you won't be fooled by mimickers of ischemia, & recognition of acute coronary syndromes on ECG will be second nature.

- Discuss an approach to the analysis of the ECG that assists in detecting acute coronary syndromes.
  - Identify subtle ECG manifestations with potentially fatal outcomes if missed.
  - Practice ECG analysis in a case-based format.
-



## COURSE DESCRIPTIONS

### *Been There, but Hope to Never Do That Again: Averting Common Airway Errors*

*Faculty: Colin G. McCloskey, MD*

Through the use of real-life critical airway cases, this presentation will focus on strategies to avert frequent errors in advanced ED airway management. Common airway pitfalls & strategies to minimize the potential for errors & mistakes will be tackled. The presenter will also discuss error disclosure, as well as strategies to prevent error scenarios in your practice.

- Identify common pitfalls inherent to critical airway management in the ED.
  - Define strategies to prevent errors in advanced airway management.
  - Discuss the importance of error disclosure.
-