



COURSE DESCRIPTIONS

Pulmonary Disorders

Lung Bugs & Drugs 2021

10/25/2021 | 12:30:00 PM - 12:50:00 PM

Faculty: Boyd D. Burns, MD, FACEP

Pneumonia alert! "Did you order antibiotics?" the charge nurse asks you. It seems there is always some new process by which we identify patients with pneumonia, but what really is the current evidence behind the treatment of this common disease? The speaker will focus on the epidemiology of different types of pneumonia, including CAP, HAP (hospital-associated pneumonia), VAP (ventilator associated pneumonia), review the current guidelines for diagnosis & management, & highlight antimicrobial resistance & antibiotic stewardship principles.

- Review the latest epidemiology of CAP & pneumococcal disease.
- Discuss the current recommendations for diagnosis and treatment for pneumonia in the ED.
- Describe best practices for antibiotic stewardship & the outcomes associated with various classes of antimicrobial drugs.

Pulmonary Disorders

Perils in the Pleural Space

10/25/2021 | 1:00:00 PM - 1:20:00 PM

Faculty: Marie-Carmelle Elie, MD, FACEP

From effusions to pneumos, the pleural is a perilous place for emergency physicians. This crash course will prepare you to deal with patients pleural problems like a pro.

- Describe the approach to diagnosis and managing a new pleural effusion
- Discuss options for management of the spontaneous pneumothorax,



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Management of Massive Hemoptysis: Save Your Drowning Patient!

10/25/2021 | 5:00:00 PM - 5:20:00 PM

Faculty: Boyd D. Burns, MD, FACEP

Patients presenting to the ED with massive hemoptysis can shake even the most seasoned emergency physician. This course will review strategies for managing these patients, & quite possibly saving their life.

- Review optimal intubation strategies including when to consider a surgical airway.
- Discuss methods of selective lung intubation & single lung ventilation, as well as optimal positioning of your patient.
- Discuss the role of management options including TXA, endovascular techniques, & surgical intervention.

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Ventilator Management in the 2020s - Implications for COVID-19

10/26/2021 | 8:00:00 AM - 8:20:00 AM

Faculty: Colin G. McCloskey, MD

Optimizing the ventilator for your ED patient is challenging enough. Now add COVID-19 to the mix. This talk reviews best practices for managing the ventilator for the COVID-19 patient.

- Identify indications for intubation in the COVID-19-infected patient
- Describe the theoretical benefit for different ventilation strategies in the COVID-19 patient
- Discuss the available literature regarding ventilation strategies in the COVID-19 patient



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Rescue Strategies for Severe Hypoxia in the ED

10/26/2021 | 2:00:00 PM - 2:20:00 PM

Faculty: Maxwell A. Hockstein, MD

Severe hypoxemic respiratory failure presents challenges in resuscitating the critically ill patient. Many times, our usual approach to airway management is not sufficient. In this case-based lecture, you will learn the approach to successful management of these challenging patients.

- Review pulmonary physiology & oxygen transport.
- Discuss the potential ventilatory strategies to optimize oxygenation, including ARDSnet, APRV, HFOV, & introduce the concept of permissive hypoxemia.
- Review the adjuncts (iNO, Flolan, Steroids, paralytics) & positioning (proning, decubitus) that may be used as well as when to consider ECMO.

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The Life-threatening Asthmatic

10/27/2021 | 8:00:00 AM - 8:20:00 AM

Faculty: Matthew A. Roginski, MD

A dose of steroid and albuterol heals all, but what happens when it doesn't? Are you prepared for the next case of status asthmaticus to hit your ED? Asthmatics are notoriously difficult to manage on the ventilator and this session will prepare you for the day your patients life will depend on your expertise in managing the sick asthmatic.

- Describe the evidence for different interventions to treat the severe asthmatic in the ED.
- Discuss ventilator management strategies for patients with severe obstructive disease.
- Recognize pharmacologic interventions to improve asthmatics beyond beta-agonism and steroids.



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Unpacking the Black Box : Diagnosing Pulmonary Embolism in Pregnancy

10/27/2021 | 12:30:00 PM - 12:50:00 PM

Faculty: Lauren M. Westafer, DO

Few things in medicine are more confusing than evaluating pregnant patients for pulmonary embolism (PE). PE is classically a 'can't miss' and killer diagnosis and clinicians have been taught that our pregnant patients, who are already high risk, are at even higher risk of PE. Yet, until recently there has been little evidence on how to best evaluate these patients. Clinical decision tools? D-dimer? Ultrasound? CT or Ventilation-Perfusion Scan? This session will review the most recent evidence on the trends in the prevalence of PE in pregnant and recently post-partum patients.

- Discuss the trends in pulmonary embolism prevalence and diagnosis in pregnant patients.
- Identify the risk and benefits of clinical decision tools and diagnostic tests used in the evaluation of pulmonary embolism during pregnancy.
- Develop a personalized evidence-based algorithm for evaluating pulmonary embolism in pregnant patients.

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Ventilator Management: Where's the Easy Button?

10/27/2021 | 1:30:00 PM - 2:20:00 PM

Faculty: Peter M. DeBlieux, MD, FACEP

The battle isn't always over once the tube goes in! What initial vent settings are best for my particular patient? How do I best adjust minute ventilation & flow rates? What if my patient's condition changes? During this case-based interactive discussion, the speaker will review types of ventilators & settings to help everyone learn or re-learn this critical skill set.

- Review common types of ventilators & settings.
- Describe opportunities to oxygenate and ventilate patients without an endotracheal tube
- Discuss how to adjust the ventilator to fit a patient's changing condition.



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Differentiating Dyspnea: Respiratory Failure 101

10/27/2021 | 3:30:00 PM - 3:50:00 PM

Faculty: Jennifer M. Wilson, MD, FACEP

Dyspneic patients presenting to the ED can have impressive presentations as they starve for air. However, not all that's dyspneic is hypoxia. To optimize your patients outcomes you must understand the underlying physiology of their respiratory failure. This quick review will provide you with the tools to recognize the types of respiratory failure & how to intervene on each.

- Differentiate the four types of respiratory failure presenting to the ED.
- Describe the underlying physiology of each form of respiratory failure & how that impacts ED management.
- List interventions that may maximally benefit patients with each form of respiratory failure.

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Adjust Your Approach: Adjust the D-Dimer!

10/27/2021 | 4:30:00 PM - 4:50:00 PM

Faculty: Lauren M. Westafer, DO

The d-dimer is frequently the bane of the emergency-physician's existence when it comes to ruling out pulmonary embolism. This talk discuss the appropriate use of the d-dimer as well as the utility of and evidence behind an adjusted d-dimer approach.

- Discuss current risk-stratification strategies for pulmonary embolism that utilize the d-dimer.
- Discuss the basis behind an adjusted d-dimer approach to ruling out pulmonary embolism.
- Review the evidence regarding adjusted d-dimer for risk stratifying pulmonary embolism.



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Lung Ultrasound in the ED: Don't Diss Dyspnea

10/28/2021 | 8:30:00 AM - 8:50:00 AM

Faculty: John M. Bailitz, MD, FACEP

Using a case-based interactive format, the speaker will demonstrate how ultrasound can be used in the patient with undifferentiated dyspnea to identify the source early & clarify medical decision making. Often patients with dyspnea are critically ill & unstable for transportation to imaging & other testing. Early implementation of ultrasound may help guide management in our sickest patients when other testing is not an option. Participants will discuss a broad range of cases that highlight common cardiac & pulmonary causes of dyspnea & recognition of associated ultrasound pathology.

- Discuss the cardiac & pulmonary etiologies of dyspnea that can be identified with ultrasound.
- Delineate how early identification of the cause of dyspnea may change management.
- Recognize the pathologic findings on integrated ultrasound of the heart, lungs & inferior vena cava that correlate with specific etiologies of dyspnea.