



2012 Scientific Assembly Course Descriptions

Cardiovascular Disorders

ACLS Guidelines 2012: The Update

MO-66 / 1 Hour

Faculty: Robert L. Rogers, MD, FACEP

Monday, October 8 / 5:00 PM - 6:00 PM

The last decade has seen many changes occur to the ACLS algorithms. Are these changes evidence-based and really the best science has to offer? The presenters will discuss the latest in recommendations from the American Heart Association and use what is in the literature to back up these new guidelines. Are we really doing what is best for our patients based on the latest literature? You be the judge!

Acute Decompensated Heart Failure: Cutting-Edge Therapies to Benefit Now and Later

MO-30 / 1 Hour

Faculty: Matthew Strehlow, MD

Monday, October 8 / 1:30 PM - 2:20 PM

The treatment of congestive heart failure (CHF) has remained relatively static for years. Not anymore! Utilization of cardiac biomarkers assists in both the diagnosis and treatment of CHF. The presenter will focus on cutting-edge therapies for decompensated CHF such as controversial nesiritide, high-dose nitroglycerin, ACE inhibitors, and noninvasive ventilation. Using aggressive management protocols not only reduces morbidity and mortality in the short-term but long-term in the form of reduced re-admission rates.

Advanced Electrocardiography Workshop Part I: Myocardial Ischemia and Its Mimics

TU-123 / 2 hours

Faculty: Amal Mattu, MD, FACEP

Tuesday, October 9 / 12:30 PM - 2:20 PM

One of the first priorities in ECG analysis is to look for patterns of injury. Myocardial ischemia can be subtle on an ECG and 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 and normal variants also will be reviewed. By the time you are finished, you won't be fooled by mimickers of ischemia, and recognition of acute coronary syndromes on ECG will be second nature.

Advanced Recognition and Treatment of Tachycardias

TU-137 / 1 Hour

Faculty: David F M Brown, MD, FACEP

Tuesday, October 9 / 3:00 PM - 3:50 PM

Through an interactive session of clinical cases and ECGs, the speaker will review identification, management, and disposition of patients with atrial and ventricular tachycardias. Particular emphasis will be placed on accepted management modalities and comments will be made on therapeutic controversies.

Advanced Electrocardiography Workshop Part II: Dysrhythmias and Syncope

WE-179 / 2 hours

Faculty: Amal Mattu, MD, FACEP

Wednesday, October 10 / 8:00 AM - 9:50 AM

The ECG is an essential tool not only for arrhythmia detection and analysis but can also risk

stratify for disorders like syncope. Having the tools to diagnose a dysrhythmia is essential for the emergency physician with implications of not only treatment but disposition as well. Using a case-based approach, the speaker will review advanced dysrhythmia analysis.

Advanced Recognition and Treatment of Bradycardias and Blocks

WE-217 / 1 Hour

Faculty: David F M Brown, MD, FACEP

Wednesday, October 10 / 1:30 PM - 2:20 PM

During this course, the speaker will present a brief overview of the practical anatomy and physiology relevant to bradyarrhythmias. This will be followed by a review of identification, management, and disposition of patients with bradyarrhythmias, conduction blocks, and drug electrolyte-induced cases. An interactive session of clinical cases and ECGs also will be included. Particular emphasis will be placed on accepted management modalities, and comments will be made on therapeutic controversies.

Chest Pain: Observation and Rapid Rule Outs

WE-197 / 1 Hour

Faculty: Michael A. Ross, MD, FACEP

Wednesday, October 10 / 10:00 AM - 10:50 AM

Chest pain is the cornerstone of everyday practice in EM. Today's emergency physician not only diagnoses and treats patients with potential acute coronary syndromes, they are now using advanced risk stratification tools like stress testing and coronary CT angiography. The speaker will review how to use high-tech solutions for ultimate risk stratification in patients presenting to the ED. A case-based discussion on using these tools to assist in patient disposition also will be included.

The Crashing Patient: Clinical Pearls for Pre- or Post-Cardiac Arrest

MO-53 / 1 Hour

Faculty: Matthew Strehlow, MD

Monday, October 8 / 4:00 PM - 4:50 PM

Most patients in cardiac arrest have a dismal prognosis regardless of their management. On the other hand, it is the patient in the peri-arrest period — the “crashing patient” — in whom a significant improvement in outcome can be achieved. The speaker will discuss some critical considerations and interventions for patients who are in the peri-arrest period that can result in the difference between life and death.

Cruising the Literature: Cardiology 2012

TU-128 / 1 Hour

Faculty: Kevin M. Klauer, DO, EJD, FACEP; Robert L. Rogers, MD, FACEP

Tuesday, October 9 / 1:30 PM - 2:20 PM

Medical journals abound with cardiology articles, and numerous multi-center trials have recently been published. New drugs are being introduced, existing medications have changing indications, and diagnostic and management strategies are being evaluated. Which of these articles should you integrate into your practice? The speakers will review the most important cardiology articles from the past year's literature that will directly impact your patients.

Cutting-Edge: Controversies in Critically Ill Cardiac Patients

TU-94 / 1 Hour

Faculty: Bradford L. Walters, MD, FACEP

Tuesday, October 9 / 9:00 AM - 9:50 AM

There are areas in the practice of cardiac care when we make rapid decisions with limited data determine life or death. Sometimes the literature is difficult to interpret or limited in the

patients that need our decisions most critically. Join the speaker in walking down a lane of critically ill cardiac patients that will make your knees weak.

Doctor, the Patient's Blood Pressure is Elevated!

TH-311 / 1 Hour

Faculty: Eric R. Snoey, MD

Thursday, October 11 / 12:00 PM - 1:00 PM

How many times a day do we see an elevated blood pressure recorded on a patient's chart? When should you treat it, and when should you refer the patient for follow-up? Should a patient be started on antihypertensive medications or a new one added to the regimen? What is the best therapy in each of the hypertensive emergency scenarios? Based on the latest literature, the speaker will discuss the spectrum of hypertensive disease and its ED evaluation and treatment.

New Cardiac Drugs: How, What, and When to Use Them in the ED

TU-80 / 1 Hour

Faculty: Michael Schindlbeck, MD

Tuesday, October 9 / 8:00 AM - 8:50 AM

Each year new medications are developed to assist us in our management of cardiac disease. These include anticoagulants, antiplatelet agents, anti-hypertensives, and anti-dysrhythmics. The speaker will present a literature review of these new drugs and compare the medications to those currently available. A discussion of case presentations to reinforce concepts also will be included.

Pacemakers and AICDs: Short Circuit of the Electronic Heart

WE-189 / 1 Hour

Faculty: Tarlan Hedayati, MD, FACEP

Wednesday, October 10 / 9:00 AM - 9:50 AM

The expanding use of technology for acute and chronic electrical therapy of dysrhythmias is complex. Emergency physicians must have an understanding of the various devices that utilize electrical therapy for either rate-related control or cardioversion/defibrillation for malignant dysrhythmias. Using a case-based approach, the presenter will review the identification and management of normal and abnormal function of implantable electronic devices.

From Paper to Patient: Recent Advances in Emergency Electrocardiography That Will Save a Life

MO-46 / 1 Hour

Faculty: Amal Mattu, MD, FACEP

Monday, October 8 / 3:00 PM - 3:50 PM

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 this expert in finding and utilizing electrocardiographic pearls buried in years of bench studies. Once you have finished this review, you will not only have skills in new and improved methods of ECG analysis, but you will have the literature to back you up.

The Pinnacle: ECG Cases that Would Make an Electrophysiologist Blush

WE-190 / 1 Hour

Faculty: David F M Brown, MD, FACEP

Wednesday, October 10 / 9:00 AM - 9:50 AM

Do you think you have mastered the realm of electrocardiography? You might think twice after this session! Join the speaker in analyzing some of the most challenging ECGs in

emergency medicine. See if you have what it takes to solve these problems.

Stump the Experts: Cardiac Edition

TU-160 / 2 hours

Faculty: Michael Schindlbeck, MD (Moderator); Corey M. Slovis, MD, FACEP; Robert L. Rogers, MD, FACEP; Matthew Strehlow, MD

Tuesday, October 9 / 4:00 PM - 6:00 PM

Rapid decisions must be made regarding priorities in the diagnosis and treatment of cardiovascular emergencies. Significant practice variations exist depending on the resources available and practice location. These experts will tackle some very difficult cases that may well represent your next patient. Bring a cardiac case, including electronic copies of radiographs on a jump drive from your EM practice, and see if you can stump the experts.

Syncope with a Lethal Twist

TU-134 / 1 Hour

Faculty: Michael A. Ross, MD, FACEP

Tuesday, October 9 / 1:30 PM - 2:20 PM

Life-threatening conditions can present as fainting or syncope in children and young adults. Patients often present to the ED with no complaints after a syncopal episode. If not identified appropriately, these conditions can result in morbidity and death. Using a case-based approach, the speaker will discuss how to identify these rare but important syndromes including Brugada syndrome, subarachnoid hemorrhage, subaortic stenosis, long QT syndrome, congenital heart disease, pulmonary embolus, and aortic dissection.

Therapy for Non-ST Elevation ACS: Update 2012

TH-278 / 1 Hour

Faculty: Tarlan Hedayati, MD, FACEP

Thursday, October 11 / 8:00 AM - 8:50 AM

A number of established and new therapies exist in the management of patients with non-ST elevation myocardial infarction and unstable angina. Every year, however, these therapies are updated or changed completely. The speaker will review the most recent literature on risk stratification and treatment of NSTEMI. Therapies, such as heparin, nitrates, antiplatelet agents, antithrombins, and percutaneous coronary interventions will be reviewed, using the latest literature and guidelines.

Therapy STEMI: Update 2012

TH-307 / 1 Hour

Faculty: Tarlan Hedayati, MD, FACEP

Thursday, October 11 / 11:00 AM - 11:50 AM

Outcomes in patients with ST elevation myocardial infarction (STEMI) have improved significantly over the past decade. Each year new therapies are developed and existing therapies modified to improve outcome in these patients. The speaker will review the support for the use of therapies specific to STEMI, such as reperfusion strategies, antiplatelet agents, anticoagulation medications, and antithrombin therapies.

Updates in the Management of Acute Atrial Fibrillation

TH-288 / 1 Hour

Faculty: Eric R. Snoey, MD

Thursday, October 11 / 9:00 AM - 9:50 AM

Management of atrial fibrillation can be extremely challenging. How does the emergency physician most effectively manage these patients? By providing rate control or conversion to sinus rhythm? More importantly, how does the emergency physician decrease the risk of

stroke, and what approach should be used in anticoagulation? Other issues for this increasingly common condition, such as indications for admission and commonly encountered pitfalls, will be discussed.

MO = Monday TU = Tuesday WE = Wednesday TH = Thursday