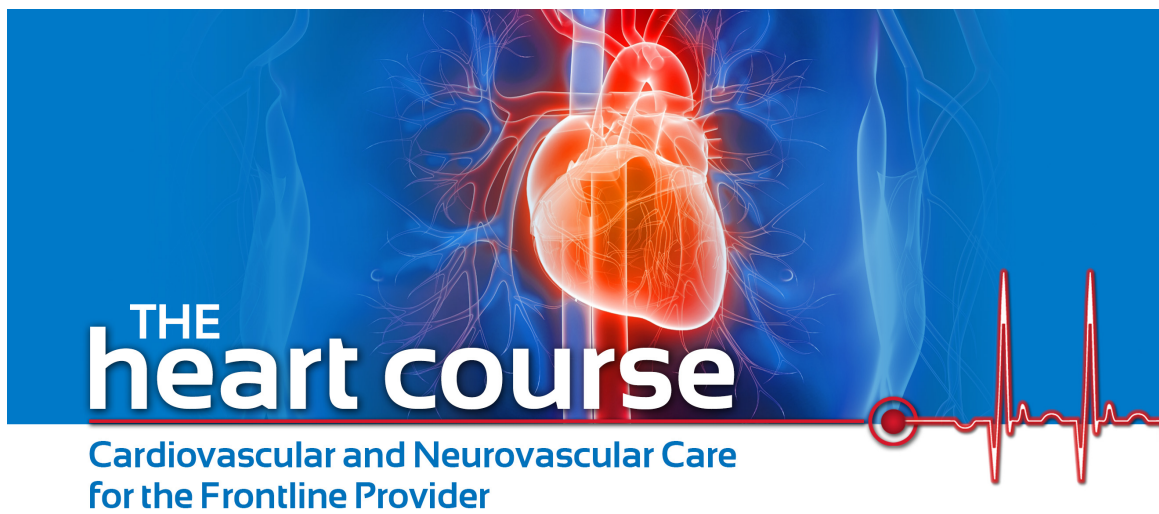




2017 – Preliminary Agenda
Revised 04/18/2017

PRE-COURSE WORKSHOPS

MONDAY, NOVEMBER 6, 2017
12:30PM – 3:30PM

[PRE-COURSE ECG WORKSHOP #1](#)

INSTRUCTOR:

Amal Mattu, MD, FAAEM, FACEP
Professor and Vice Chair
Co-Director, Emergency Cardiology Fellowship
Department of Emergency Medicine
University of Maryland School of Medicine
Baltimore, Maryland

Cardiac Ischemia — Classic, Confusing, and Confounding Patterns

Learning Goals:

At the conclusion of this presentation, each participant should be able to:

1. Identify subtle electrocardiogram (ECG) findings in the acute coronary syndrome (ACS) patient that predict an increased risk of morbidity and mortality
2. Distinguish between some common mimics of ACS vs. findings of true ACS on the ECG
3. Identify the findings of bundle branch blocks that help in diagnosis of ACS

The Heart Course - PRE-COURSE #1: MONDAY, NOVEMBER 6, 2017				
Start	End	LENGTH (Minutes)	TOTAL HOURS TOWARDS CME	TOPIC
<i>Cardiac Ischemia - The Classic, Confusing, and Confounding Patterns</i>				
12:30PM	1:45PM	75	1.25	Acute Coronary Syndromes: Basics and Mimics
1:45PM	2:00PM	15		Break
2:00PM	3:30PM	90	1.50	Acute Coronary Syndromes: Tough Cases
Total CME Hours			2.75	
Course Aggregate			28.75	



THE heart course

Cardiovascular and Neurovascular Care for the Frontline Provider

MONDAY, NOVEMBER 6, 2017
4:30PM – 7:30PM

PRE-COURSE ECG WORKSHOP #2

INSTRUCTOR:

Amal Mattu, MD, FAAEM, FACEP
Professor and Vice Chair
Co-Director, Emergency Cardiology Fellowship
Department of Emergency Medicine
University of Maryland School of Medicine
Baltimore, Maryland

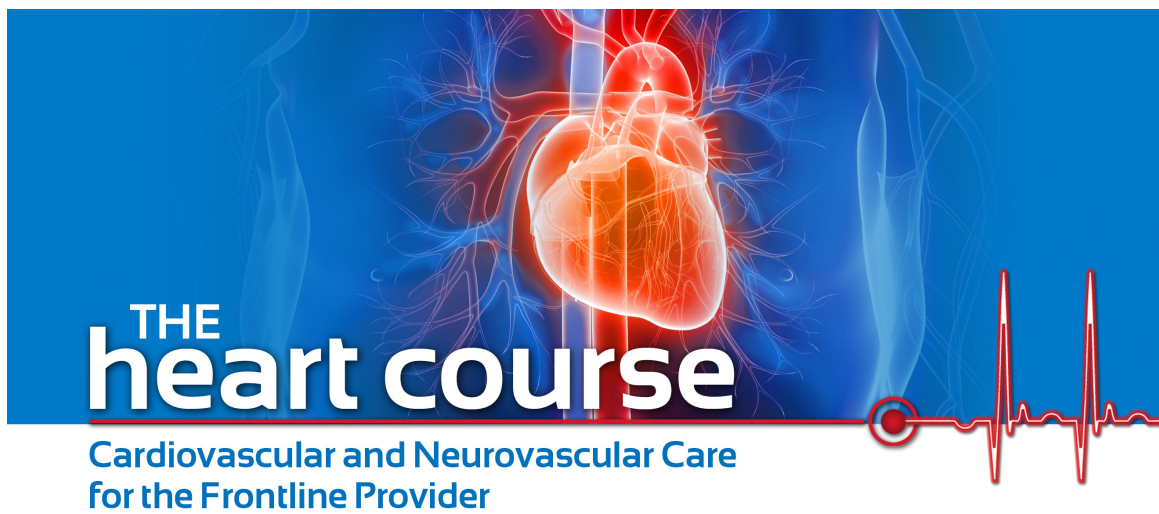
Diagnosis and Management of Tough Dysrhythmias

Learning Goals:

At the conclusion of this presentation, each participant should be able to:

1. Describe a simple series of steps for the diagnosis of tachydysrhythmia
2. Distinguish between the various types of bradyarrhythmias and AV blocks
3. Describe treatment protocols for stable and unstable dysrhythmias

The Heart Course - PRE-COURSE #2: MONDAY, NOVEMBER 6, 2017				
<i>Diagnosis and Management of Tough Dysrhythmias</i>				
4:30PM	5:45PM	75	1.25	The Bradydysrhythmias
5:45PM	6:00PM	15		Break
6:00PM	7:30PM	90	1.50	The Tachydysrhythmias
Total CME Hours			2.75	
Course Aggregate			28.75	



GENERAL COURSE

Learning Goals

After attending The Heart Course, learners will be better able to:

- Understand chest pain risk stratification by exploring the ins and outs of the Heart Score
- Identify the evidence-based strategies for the management of patients with acute coronary syndrome (STEMI, and UA/ NSTEMI), atrial fibrillation, heart failure, transient ischemic attack (TIA), stroke, and cerebral hemorrhage
- Describe the mechanisms of action and optimal evidence-based use of new and emerging cardiovascular medications, including new oral anticoagulants (NOAC) therapy and reversal agents
- Demonstrate state-of-the-art resuscitation strategies for patients presenting with cardiovascular emergencies
- Evaluate and initiate appropriate treatment strategies for high-risk, high-threat electrocardiography (ECG) findings and unusual dysrhythmias
- Discuss the emerging data on current and novel biomarkers in the diagnosis, prognosis, and treatment of cardiovascular disease
- Identify optimal antiplatelet and anticoagulant management strategies for patients with acute coronary syndrome (ACS), atrial fibrillation (AF), venous thromboembolism (VTE), and stroke
- Determine evidence-based best practices in the management of device-related emergencies in patients with cardiac disease, including ventricular assist devices (VADs), pacemakers, and implantable cardioverter defibrillators (ICDs)



TUESDAY, NOVEMBER 7, 2017
8:00AM – 5:30PM

THE HEART COURSE GENERAL SESSION DAY 1:

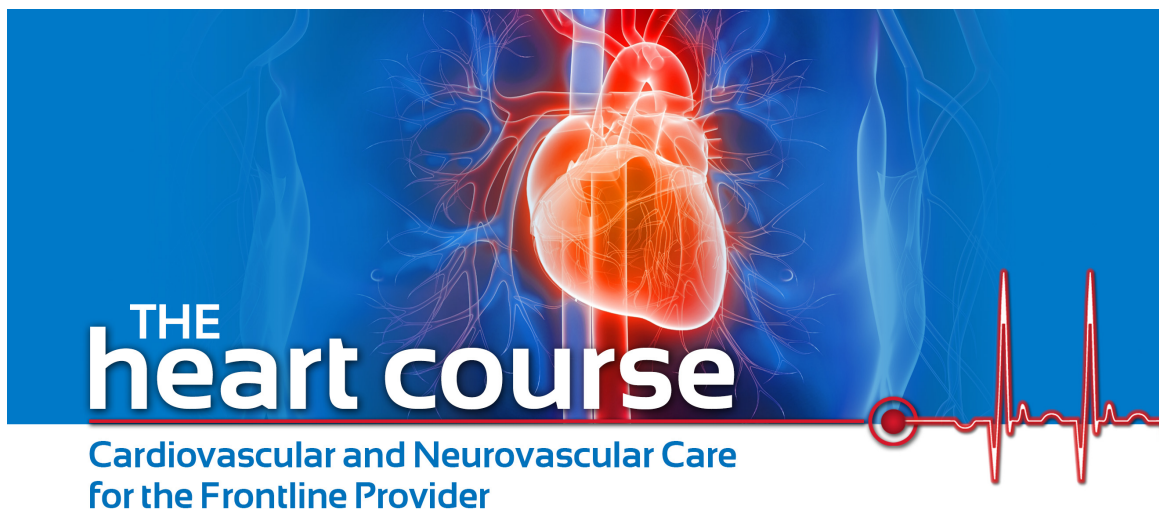
The Heart Course - DAY 1 General Session: TUESDAY, NOVEMBER 7, 2017					
START	END	LENGTH (Minutes)	CME	TOPIC	SPEAKER
8:00AM	8:10AM	10		Opening Remarks	Pang / Aldeen
8:10AM	8:45AM	35	0.58	Fire and ICE - Cardiac Arrest	Aldeen
				Fatal Attraction: Potential Death Rhythms - Initial	
8:45AM	9:15AM	30	0.50	Management	Fix
9:15AM	9:45AM	30	0.50	Setting the pace: Transcutaneous and Transvenous Pacing	Carlson
9:45AM	10:10AM	25	0.42	High Noon: Managing STEMI Tombstones	Carlson
10:10AM	10:45AM	35	0.58	Narrow and Fast: Initial Management	Bontempo
10:45AM	11:00AM	15		BREAK	
11:00AM	11:40AM	40	0.67	Maalox or ACS: The Risky Business of Chest Pain	Mattu
11:40AM	12:10PM	30	0.50	Now I have a Headache! Maybe it's SAH!	Fix
12:10PM	1:25PM	75		LUNCH	
1:25PM	1:45PM	20	0.33	My Doc Said I Had a NSTEMI-ACS! Early, Late, or Wait?	Pang
1:45PM	2:30PM	45	0.75	Missed ACS: Legal Disasters	Mattu
2:30PM	3:15PM	45	0.75	Time is Brain. Thrombolysis in the ED	Hunter
3:15PM	3:30PM	15		BREAK	
3:30PM	4:00PM	30	0.50	SBP of 240/130 - Should I do Something?	Bontempo
				Whoa! I got shocked! Everything You Needed to Ever Know	
4:00PM	4:30PM	30	0.50	About Device Emergencies in the Emergency Department	Carlson
4:30PM	5:20PM	50	0.83	Non Cardiac Killers in Electrocardiography	Mattu
5:20PM	5:30PM	10	0.17	Day 1 - Review and Faculty Q&A	All
				Course Concludes - Day 1	
Total Credits			7.58		
Course Aggregate			28.25		



WEDNESDAY, NOVEMBER 8, 2017
8:00AM – 5:00PM

THE HEART COURSE GENERAL SESSION DAY 2:

The Heart Course - DAY 2 General Session: WEDNESDAY, NOVEMBER 8, 2017					
START	END	LENGTH (Minutes)	CME	TOPIC	SPEAKER
8:00AM	8:15AM	15	0.25	Just One Line of....Cocaine! What to Do Right Now.	TBD
8:15AM	9:15AM	30	0.50	Fainting Dead Away: Cardiogenic Syncope	Mattu
9:15AM	9:45AM	30	0.50	Irregularly Irregular: 2017 Best Practices for Atrial Fibrillation	Bontempo
9:45AM	10:10AM	25	0.42	A Broken Heart: Managing Cardiogenic Shock	Pang or TBD
10:10AM	10:25AM	15		BREAK	
10:25AM	11:00AM	35	0.58	Novel Oral Anticoagulants and Reversal Agents	Bontempo
11:00AM	11:30AM	30	0.50	The Only Chest Pain Worse than MI: Aortic Dissection	Aldeen
11:30AM	12:10PM	40	0.67	TIA's and Tingleopathies: My Head is Spinning!	Hunter
12:10PM	1:15PM	65		LUNCH	
1:15PM	1:45PM	30	0.50	Randomness! My Love in a Suitcase: VAD Emergencies	Pang
1:45PM	2:15PM	35	0.58	CODE PE (and some VTE)	Aldeen
2:15PM	2:45PM	30	0.50	Pump DOWN the Volume: Acute Heart Failure	Pang
2:45PM	3:00PM	15		ICE CREAM BREAK	
3:00PM	3:35PM	35	0.58	What Test Do I Order? Treadmill, Stress ECHO, Nuclear, DSE, or CTA?	TBD
3:35PM	4:05PM	30	0.50	Is My Troponin Too Sensitive?	Pang
4:05PM	4:40PM	35	0.58	Do You Agree? Let's Ask the Doctor	Simulated case - TBD - Pang (moderator)
4:40PM	5:10PM	30	0.50	Faculty Review and Q&A	All
				Course Concludes - Day 2	
		Total Credits	7.17		
		Course Aggregate	28.25		



POST-COURSE WORKSHOPS

[POST-COURSE ECHO WORKSHOP #1:](#)

The Cardiopulmonary Workshop:

NOVEMBER 9, 2017

8:00am – 12:15pm

INSTRUCTORS:

Haney A. Mallemat, MD
Assistant Professor of Emergency Medicine
University of Maryland School of Medicine
Baltimore, MD

Frances M Russell, MD, RDMS
Assistant Professor of Emergency Medicine
Indiana University School of Medicine
Indianapolis, IN

The goal of the cardiopulmonary workshop is to rapidly assess patients with chest pain or dyspnea using ultrasound. The primary focus of this workshop will be learning to adequately image the heart, lungs, thoracic space, and inferior vena cava (IVC). By the end of the workshop the participants should be able to:

- Learn the four basic views of the heart, lungs, and IVC
- Review clips with pathology
- Identify an algorithm to evaluating the patient with chest pain or dyspnea

REGISTRATION FEE:

The registration fee for the post-course workshop is \$350. A minimum of 16 will need to register in order for the post-course workshop to be held and registrations will be cut off at 20. A full refund will be provided if the workshop does not occur. Confirmations will be sent early September.



Post-Course Echo Workshop: *The Cardiopulmonary Workshop:*

The Heart Course: POST-COURSE #1: THURSDAY, NOVEMBER 9, 2017				
<i>The Cardiopulmonary Workshop</i>				
START	END	LENGTH (Minutes)	CME	TOPIC
8:00AM	8:30AM	30	0.50	Cardiopulmonary Workshop Overview and Review of Objectives
8:30AM	8:45AM	15	0.25	The Basics of Bedside Echocardiography
8:45AM	9:45AM	60	1.00	Hands-on Skill Stations
				- Parasternal Long-axis
				- Parasternal Short-axis
				- Apical four-chamber
				- Subxiphoid and IVC
9:45AM	10:15AM	30	0.50	Focused Lung Ultrasound and Vascular Access
10:15AM	11:15AM	60	1.00	Hands-on Skill Stations
				- Lung Ultrasound
				- Vascular Access
11:15AM	11:25AM	10		Break
11:25AM	12:15PM	50	0.83	Integration and Pathology: Hands-on stations and pathology clips
12:15PM				Post-Course Workshop Concludes
Total Credits			4.00	
Course Aggregate			28.75	



THE heart course

Cardiovascular and Neurovascular Care
for the Frontline Provider

POST-COURSE ECHO WORKSHOP #2:

Ultrasound for Hypotension and Vascular Access Workshop:

NOVEMBER 9, 2017

1:00pm – 5:15pm

INSTRUCTORS:

Haney A. Mallemat, MD
Assistant Professor of Emergency Medicine
University of Maryland School of Medicine
Baltimore, MD

Frances M Russell, MD, RDMS
Assistant Professor of Emergency Medicine
Indiana University School of Medicine
Indianapolis, IN

The goal of this workshop is for clinicians to rapidly assess patients with hypotension, as well as learn the skills to safely and effectively perform ultrasound-guided vascular access. The primary focus of this workshop will be learning to adequately image the abdomen for free fluid, the lower extremities for evidence of DVT, the aorta for aneurysm, and learning to perform ultrasound-guided central and peripheral venous cannulation.

By the end of the workshop the participants should be able to:

- Identify the areas to look for free fluid in the abdomen
- Perform a lower extremity DVT ultrasound examination
- Evaluate the abdominal aorta for evidence of aneurysm
- Identify an algorithm to evaluating patients with hypotension
- Utilize ultrasound for safer and more efficient central and peripheral vascular access

REGISTRATION FEE:

The registration fee for the post-course workshop is \$350. A minimum of 16 will need to register in order for the post-course workshop to be held and registrations will be cut off at 20. A full refund will be provided if the workshop does not occur. Confirmations will be sent early September.

THE heart course

Cardiovascular and Neurovascular Care
for the Frontline Provider



Post-Course Echo Workshop: *Ultrasound for Hypotension and Vascular Access Workshop:*

The Heart Course: POST-COURSE #2: THURSDAY, NOVEMBER 9, 2017				
<i>Ultrasound for Hypotension and Vascular Access Workshop</i>				
START	END	LENGTH (Minutes)	CME	TOPIC
1:00PM	1:30PM	30	0.50	Introduction to Ultrasound in Hypotension
1:30PM	1:50PM	20	0.33	FAST (Abdominal) Ultrasound
1:50PM	2:15PM	25	0.42	Hands-on Skill Stations
				- FAST
2:15PM	2:35PM	20	0.33	Aorta Ultrasound
2:35PM	3:00PM	25	0.42	Hands-on Skill Stations
				- Aorta
3:00PM	3:10PM	10		Break
3:10PM	3:30PM	20	0.33	DVT Ultrasound
3:30PM	3:50PM	20	0.33	Vascular Access
3:50PM	5:15PM	85	1.42	Hands-on Skill Stations
				- Station Rotation
5:15PM				Post-Course Workshop Concludes
Total Credits			4.00	
Course Aggregate			28.75	



THE heart course

Cardiovascular and Neurovascular Care for the Frontline Provider

POST-COURSE BREAKOUT #1:

Advanced Practice Provider – Small Group Chest Pain Cases Breakout:

NOVEMBER 9, 2017

9:00am – 10:00am

INSTRUCTOR:

Amer Z. Aldeen, MD, FACEP

Medical Director, Emergency Department

Presence St. Joseph Medical Center, Joliet IL

Emergency Medicine Physicians, Ltd.

Director, Chicago Cardiac Arrest Resuscitation Education Service

The goal of the APP Chest Pain Cases workshop is to develop a differential diagnosis of chest pain and pursue management strategies based on most likely diagnosis as well as worst-case scenario. Quality of care, patient safety, and efficient resource utilization will be stressed. The small group format will foster active discussion of cases and Q&A, rather than a straight, lecture-based format.

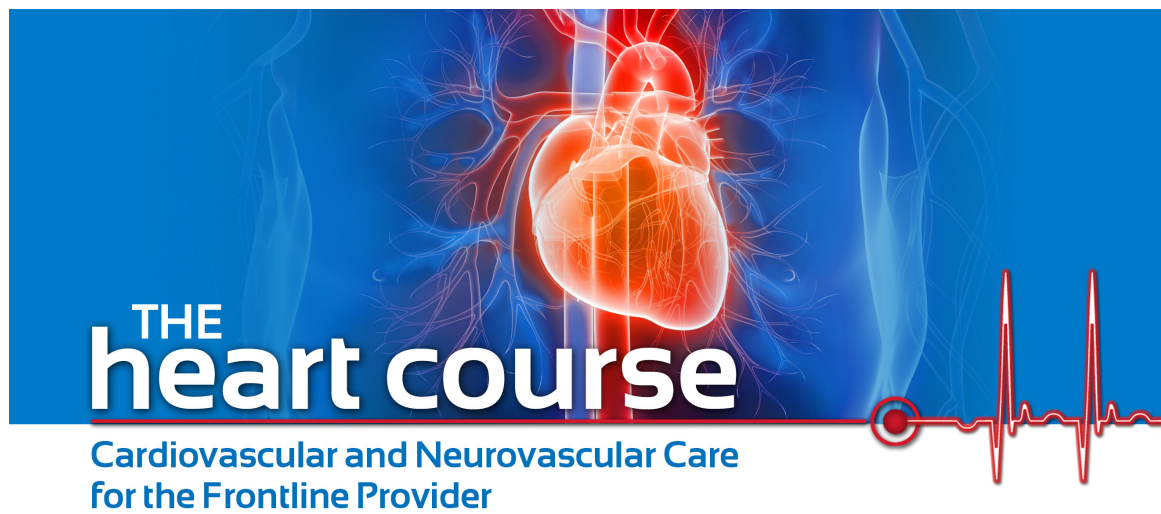
By the end of the workshop, participants will be able to:

- List a differential diagnosis of chest pain appropriately tailored for age and risk factors
- Articulate their thinking process when evaluating a patient with chest pain.
- State the utility and limitations of common diagnostic studies used for chest pain
- List evidence-based strategies for management of chest pain even without diagnostic certainty
- Indicate specific pitfalls in the diagnosis and management of chest pain

REGISTRATION FEE:

The registration fee for the breakout session is \$79. A minimum of 5 will need to register in order for the post-course workshop to be held and registrations will be cut off at 10. A full refund will be provided if the workshop does not occur. Confirmations will be sent early September.

The Heart Course: Breakout Session #1: THURSDAY, NOVEMBER 9, 2017				
<i>Advanced Practice Provider - Small Group Chest Pain Cases Breakout</i>				
START	END	LENGTH (Minutes)	CME	TOPIC
9:00AM	10:00AM	60	1.00	APP Chest Pain Cases
Total Credits			1.00	
Course Aggregate			28.75	



POST-COURSE BREAKOUT #2:

Emergency Medicine Board Exam Review Breakout:

NOVEMBER 9, 2017
10:30am – 11:30am

INSTRUCTOR:

Amer Z. Aldeen, MD, FACEP
Medical Director, Emergency Department
Presence St. Joseph Medical Center, Joliet IL
Emergency Medicine Physicians, Ltd.
Director, Chicago Cardiac Arrest Resuscitation Education Service

The goal of the Emergency Medicine Board Review is to provide cardiovascular emergency cases and accompanying open-ended questions as a study aid for ABEM's certifying examination. Many cases involve interpretation of an image, such as ECGs, chest X-rays, and physical examination findings. The session will involve multiple cases in a discussion-style format with active audience participation and Q&A

By the end of the workshop, participants will be able to:

- Interpret critical ECGs and know appropriate management
- Interpret history and physical exam findings characteristic of specific, uncommon cardiovascular emergencies
- Learn new strategies for multiple-choice test-taking, including avoiding pitfalls

REGISTRATION FEE:

The registration fee for the breakout session is \$99. A minimum of 10 will need to register in order for the post-course workshop to be held and registrations will be cut off at 30. A full refund will be provided if the workshop does not occur. Confirmations will be sent early September.

The Heart Course: Breakout Session #2: THURSDAY, NOVEMBER 9, 2017				
<i>Emergency Medicine Board Exam Review Breakout</i>				
START	END	LENGTH (Minutes)	CME	TOPIC
10:30AM	11:30AM	60	1.00	Emergency Medicine Board Review
Total Credits			1.00	
Course Aggregate			28.75	