

2017–Preliminary Agenda
Revised 10/24/17

PRE-COURSE WORKSHOPS

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

PRE-COURSE ECG WORKSHOP #1 INSTRUCTOR:

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

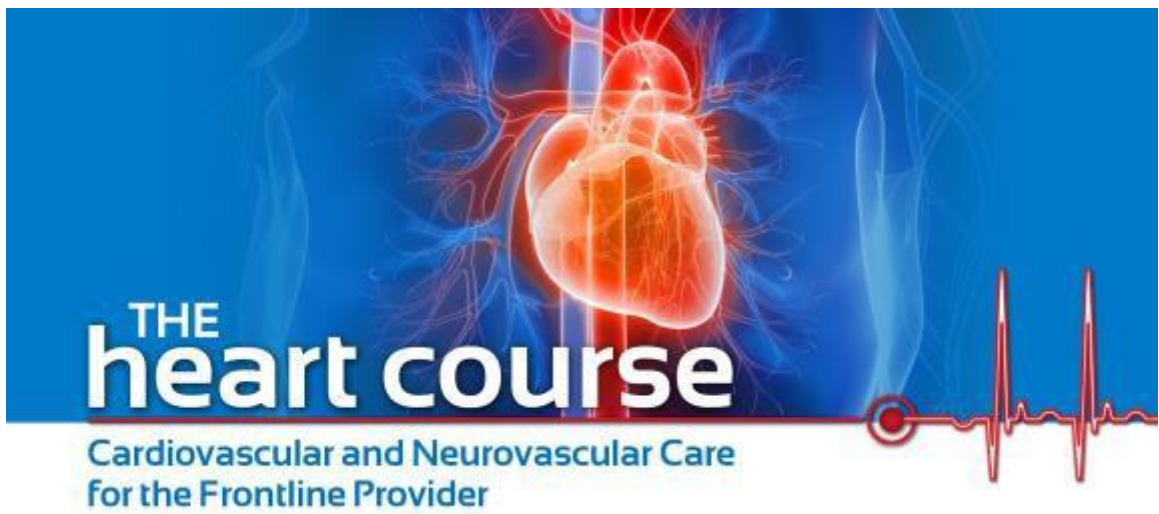
Cardiac Ischemia — Classic, Confusing, and Confounding Patterns

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><u>Cardiac Ischemia - The Classic, Confusing, and Confounding Patterns</u></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	



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

[PRE-COURSE ECG WORKSHOP #2](#)

INSTRUCTOR:

Amal Mattu, MD, FAAEM, FACEP^[1]_[SEP]
 Professor and Vice Chair^[1]_[SEP]
 Co-Director, Emergency Cardiology Fellowship^[1]_[SEP]
 Department of Emergency Medicine^[1]_[SEP]
 University of Maryland School of Medicine^[1]_[SEP]
 Baltimore, Maryland

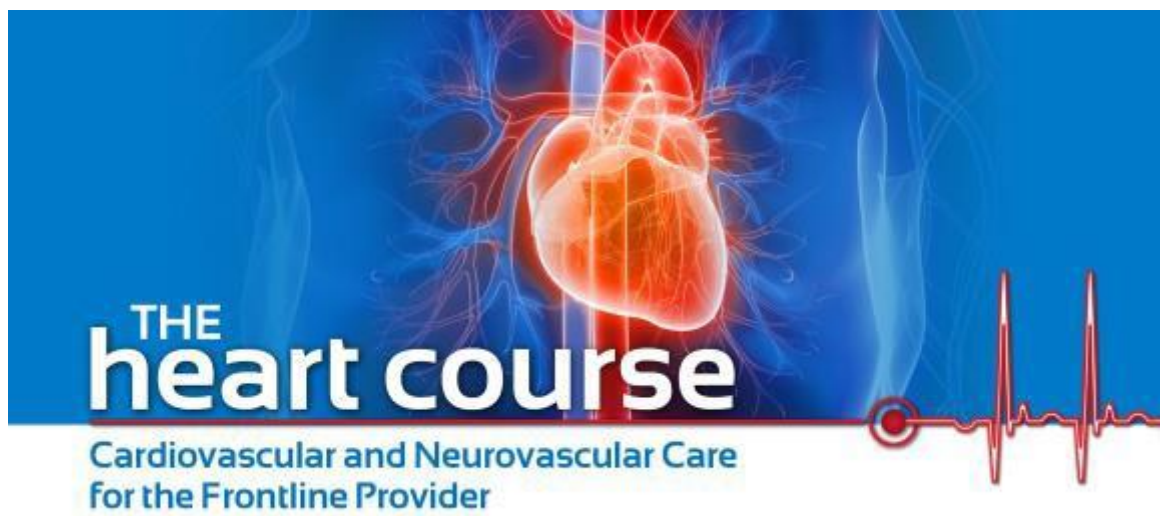
Diagnosis and Management of Tough Dysrhythmias

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				
<u><i>Diagnosis and Management of Tough Dysrhythmias</i></u>				
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	

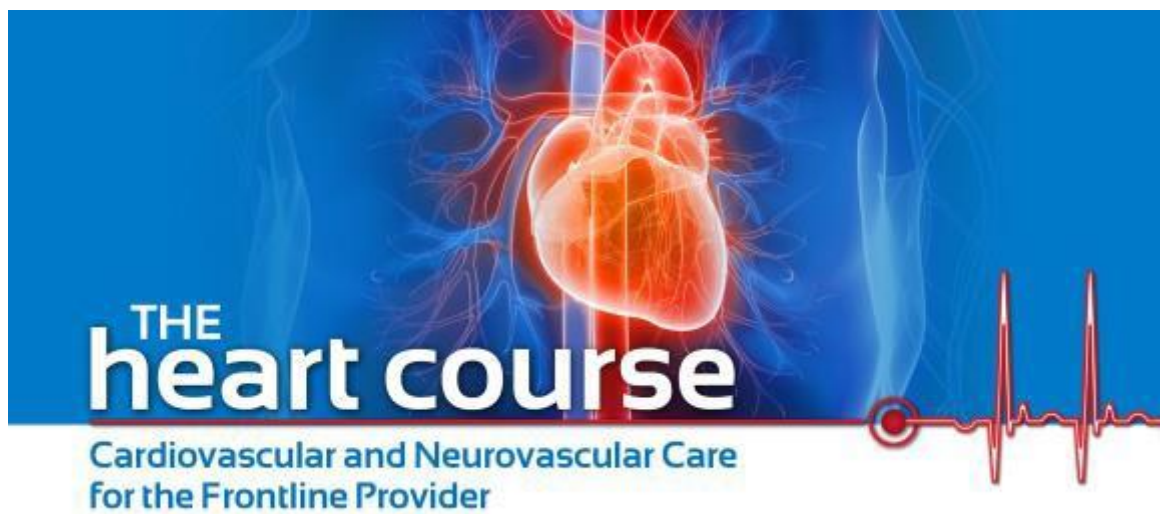


GENERAL COURSE

Learning Goals

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

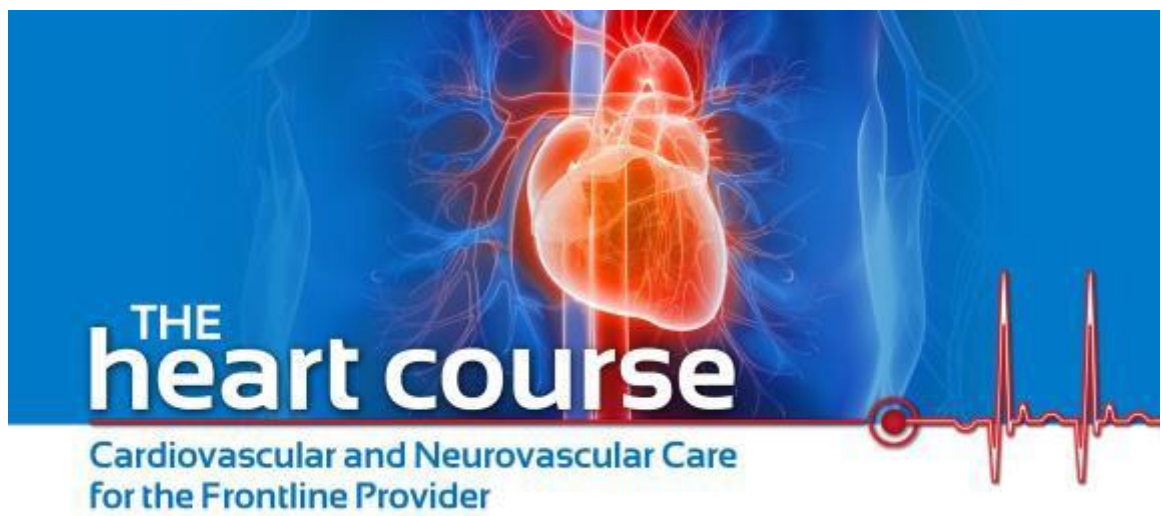
- Understand chest pain risk stratification by exploring the ins and outs of the Heart Score
- Identify the evidence-based strategies for the management of patients with acute coronary syndrome (STEMI, and UA/NSTEMI), atrial fibrillation, heart failure, transient ischemic attack (TIA), stroke, and cerebral 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:](#)

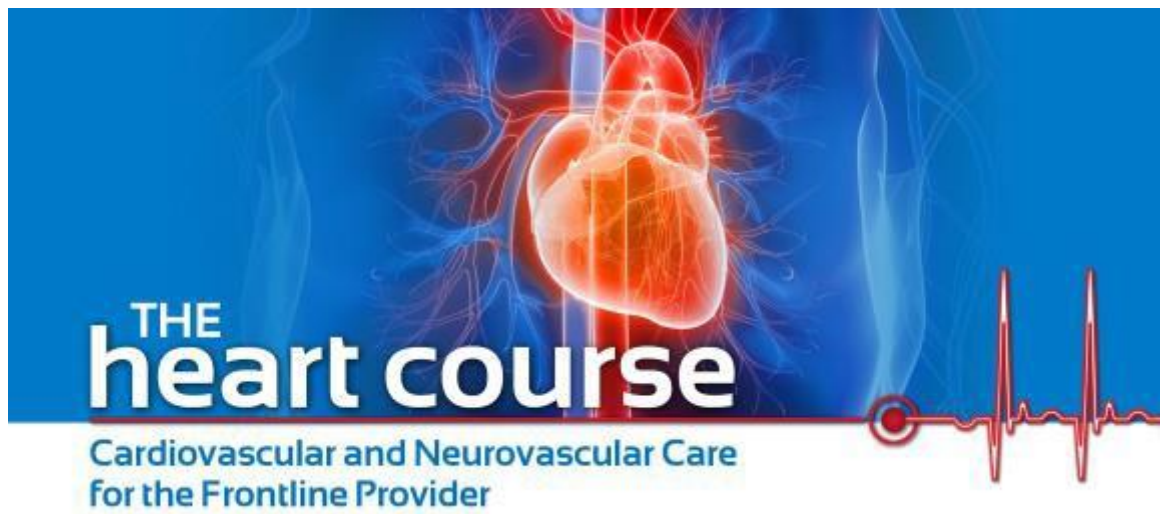
The Heart Course - DAY 1 General Session: TUESDAY, NOVEMBER 7, 2017					
START	END	LENGTH (Minutes)	CME	TOPIC	SPEAKER
8:00AM	8:10AM	10		Opening Remarks	Pang / Aldeen
8:10AM	8:50AM	40	0.67	Aspirin or Maalox? The Risky Business of Chest Pain	Mattu
8:50AM	9:10AM	20	0.33	Tombstones at high noon: STEMI	Carlson
9:10AM	9:40AM	30	0.50	Fatal Attraction: Deadly Rhythms	Fix
9:40AM	10:10AM	30	0.50	Don't skip a beat: Transvenous and transcutaneous pacing	Carlson
10:10AM	10:25AM	15		BREAK	
10:25AM	10:55AM	30	0.50	"Please don't say it's the worst headache of your life..."	Fix
10:55AM	11:30AM	35	0.58	Fainting Dead Away: Cardiogenic Syncope	Mattu
11:30AM	12:15PM	45	0.75	Fire and Ice: Cardiac Arrest	Aldeen
12:15PM	1:30PM	75		LUNCH	
1:30PM	1:50PM	20	0.33	As if there weren't enough abbreviations already: NSTEMI-ACS	Fix
1:50PM	2:35PM	45	0.75	An ACS to grind: Legal Disasters	Mattu
2:35PM	3:20PM	45	0.75	Timing is everything: Thrombolysis for stroke	Hunter
3:20PM	3:35PM	15		BREAK	
3:35PM	4:05PM	30	0.50	Ripping my heart out: Aortic dissection	Aldeen
4:05PM	4:35PM	30	0.50	There's a machine inside me: Device emergencies	Carlson
4:35PM	5:20PM	45	0.75	Revealing the truth in mysterious ways: Non-cardiac killers in electrocardiography	Mattu
5:20PM	5:45PM	25	0.42	Day 1 - Review and Faculty Q&A	All
				Day 1 concludes	
			Total Credits	7.83	
			Course Aggregate	28.75	



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	8:30AM	30	0.50	Don't blow it up: Cocaine emergencies	Hunter
8:30AM	9:10AM	40	0.67	Faster than a speeding bullet: Narrow complex tachycardias	Bontempo
9:10AM	9:50AM	40	0.67	Pump DOWN the Volume: Acute Heart Failure	Pang
9:50AM	10:30AM	40	0.67	Irregularly Irregular: Atrial Fibrillation	Bontempo
10:30AM	10:45AM	15		BREAK	
10:45AM	11:25AM	40	0.67	My head is spinning: Posterior circulation issues	Hunter
11:25AM	12:05PM	40	0.67	Don't just do something, stand there! Hypertension in the ED	Caraballo
12:05PM	1:20PM	75		LUNCH SYMPOSIUM: DOACs and Reversal	Bontempo, Aldeen
1:20PM	1:55PM	35	0.58	What becomes of the broken-hearted? Managing cardiogenic shock	Pang
1:55PM	2:35PM	40	0.67	Making my blood curdle: Venous thromboembolism	Caraballo
2:35PM	2:50PM	15		ICE CREAM BREAK	
2:50PM	3:25PM	35	0.58	Don't be so sensitive: Troponins in 2017	Pang
3:25PM	4:10PM	45	0.75	How low can you go? Hypotension and shock	Aldeen
4:10PM	5:10PM	60	1.00	Faculty Review and QandA	All
				Main Course concludes	
		Total Credits	7.42		
		Course Aggregate	28.75		



POST-COURSE WORKSHOPS

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

ECHO Workshop:

NOVEMBER 9, 2017

8:00am – 12:15pm

INSTRUCTORS:

Haney A. Mallemat, MD
Associate Professor of Emergency and Internal Medicine
Cooper Medical School of Rowan University
Camden, NJ

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

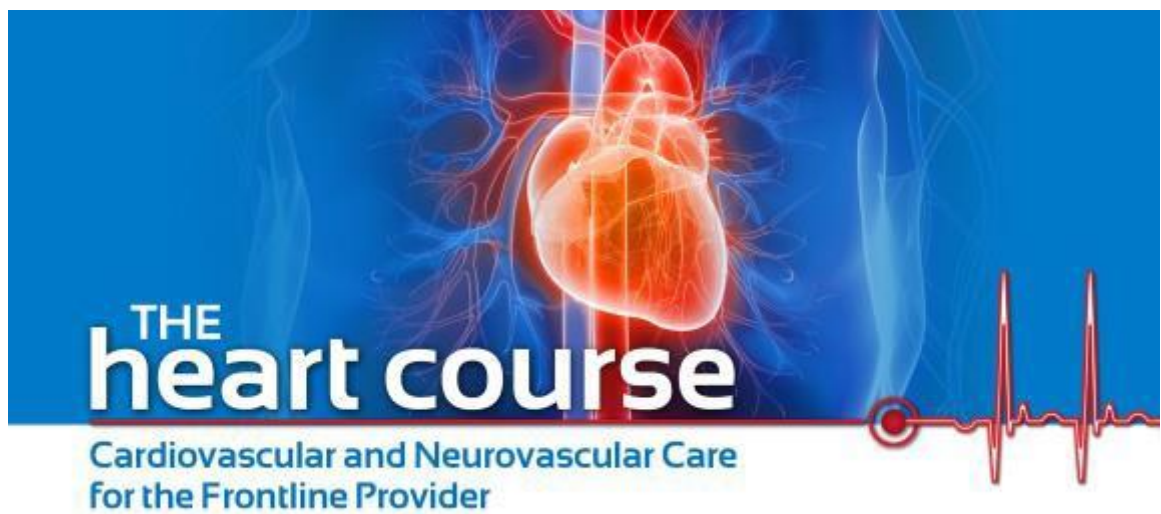
Jacob Avila
Assistant Professor
Ultrasound Director
Department of Emergency Medicine
University of Kentucky
Lexington, KY

Joshua Rempell, MD, MPH
Assistant Professor
Department of Emergency Medicine
Cooper University Hospital
Audubon, NJ

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

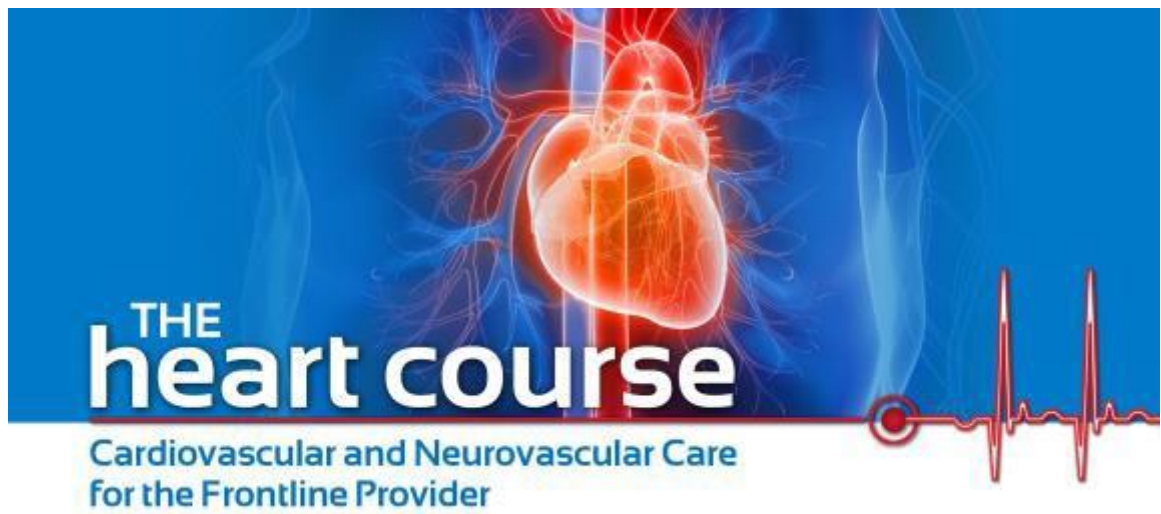


REGISTRATION FEE:

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: ECHO Workshop:

The Heart Course: POST-COURSE #1: Thursday, Nov 9 2017						
<i>The Cardiopulmonary Workshop</i>						SPEAKER
START	END	LENGTH (Minutes)	CME	TOPIC		
8:00AM	8:30AM	30	0.50	Cardiopulmonary Workshop Overview and review of Objectives		MALLEMAT, RUSSELL
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			



POST-COURSE WORKSHOP #2:

Resuscitative Ultrasound:

NOVEMBER 9, 2017
1:00pm – 5:15pm

INSTRUCTORS:

Haney A. Mallemat, MD
Associate Professor of Emergency and Internal Medicine
Cooper Medical School of Rowan University
Camden, NJ

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

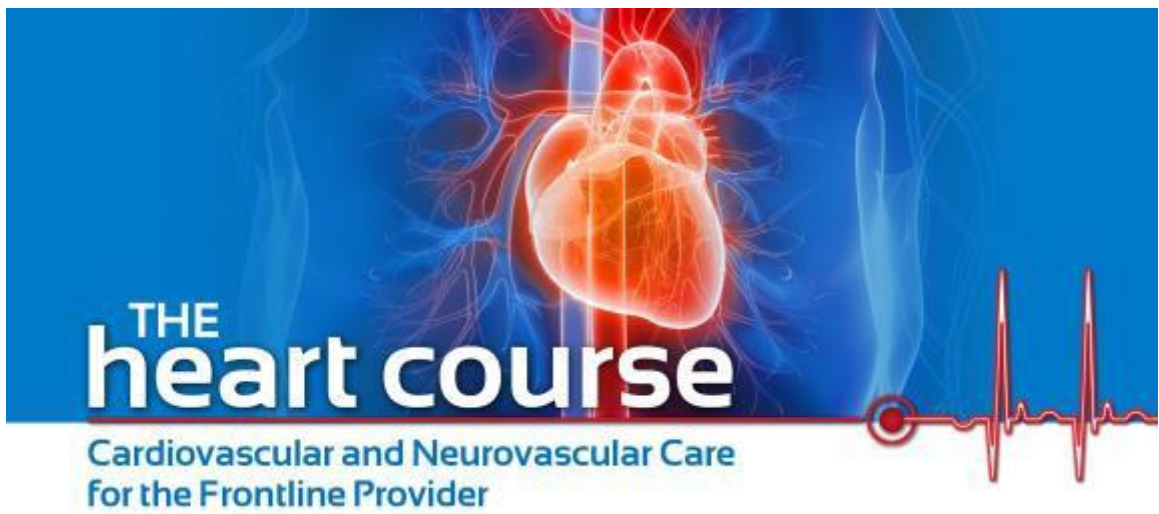
Jacob Avila
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Joshua Rempell, MD, MPH
Assistant Professor
Department of Emergency Medicine
Cooper University Hospital
Audubon, NJ

The goal of this workshop is for clinicians to rapidly assess and provide vascular access for patients who are critically ill. 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.

Post-Course Workshop: *Resuscitation Ultrasound:*

The Heart Course: POST-COURSE #2: Thursday, November 9, 2017					
<u>Ultrasound for Hypotension and Vascular Access Workshop</u>					
START	END	LENGTH (Minutes)	CME	TOPIC	
1:00PM	1:30PM	30	0.50	Introduction to Ultrasound in Hypotension	MALLEMAT, RUSSELL
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		