

2017 – Preliminary Agenda
Revised 07/13/17

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	



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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

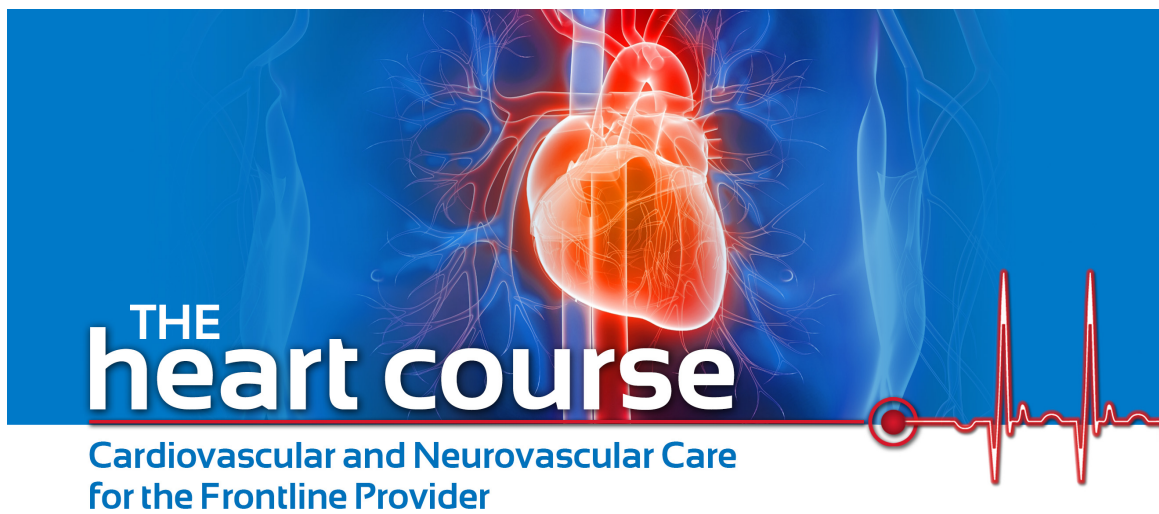
Diagnosis and Management of Tough Dysrhythmias

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)



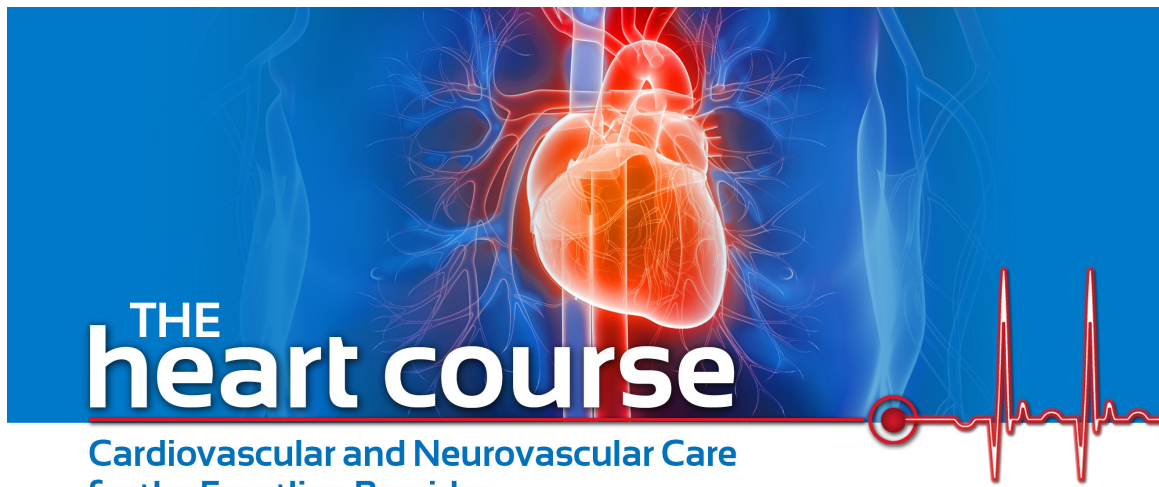
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TUESDAY, NOVEMBER 7, 2017
8:00AM – 5:30PM

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
8:45AM	9:15AM	30	0.50	Fatal Attraction: Potential Death Rhythms - Initial 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
4:00PM	4:30PM	30	0.50	Whoa! I got shocked! Everything You Needed to Ever Know	Carlson
4:30PM	5:20PM	50	0.83	About Device Emergencies in the Emergency Department	Mattu
5:20PM	5:30PM	10	0.17	Non Cardiac Killers in Electrocardiography	All
				Day 1 - Review and Faculty Q&A	All
				Course Concludes - Day 1	
		Total Credits	7.58		
		Course Aggregate	28.25		



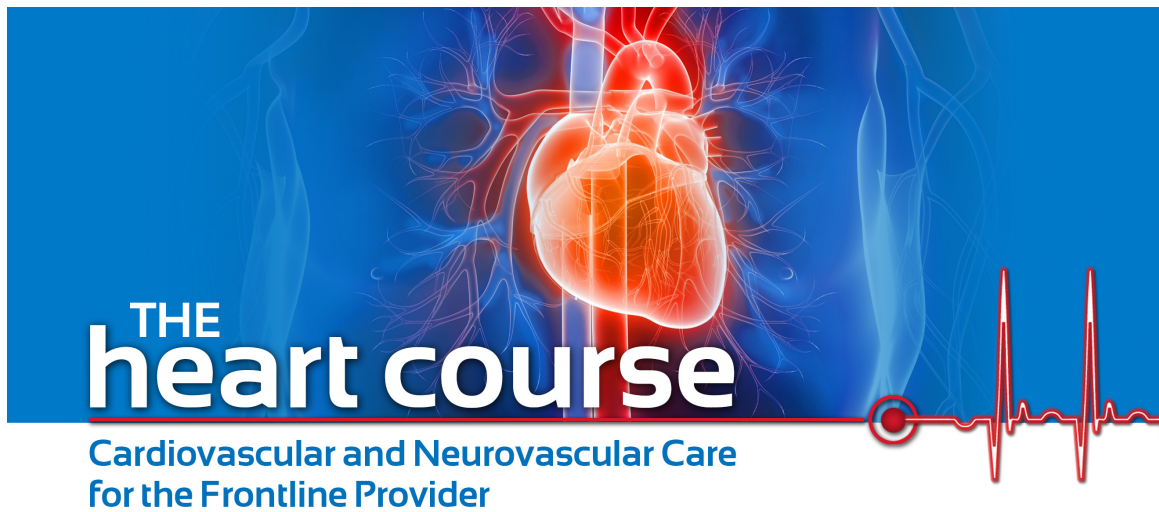
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WEDNESDAY, NOVEMBER 8, 2017
8:00AM – 5:00PM

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	TIAs 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		



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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



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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, NOVEMBER 9, 2017				
<i>The ECHO 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 Basic 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	



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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
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 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



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- 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>Resuscitation Ultrasound</u>				
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	