

AFRICA STEM1 LIVE! 2022 OUTLINE PROGRAM

		Wednesday	Thursday		Friday	Saturday		
		PRE-CONGRESS COURSE				STEM1 LIVE! / HEART OF AFRICA		
	0800	Acute Cardiac Care Symposium (BR1,2)	ECHO with STRESS ECHO course (BR3)	Acute Cardiac Care Symposium (BR1,2)	ECHO with STRESS ECHO course (BR3)	Interventional Cardiology	STEM1 Live!	Covid-19, ACS, Thrombosis and Intervention
	1500	Satellite Symposium (Invitation)		Opening Ceremony (Ballroom)		Heart Failure Live!	Beyond the Heart: The Art and Struggles of Medicine	
						Updates from Around Africa (MR6)	Closing Ceremony	
PM		Satellite Symposium (Invitation)		Opening Ceremony (Ballroom)		Networking Event		

THE AFRICA STEMI TWO-DAY ACUTE CARDIOVASCULAR CARE SYMPOSIUM

Wed May 4th – Thur May 5th

DAY ONE WEDNESDAY MAY 4th Acute Cardiovascular Care Symposium		
0700: Registration		
0800-0815	Introduction: Gaps in acute cardiovascular care in Africa	Gerald Yonga
Session 1: Acute Left Ventricular Failure and Pulmonary Edema		
0815-0825	Acute Heart Failure: aetiology, significance, and epidemiology in a nutshell	Gerald Yonga
0825-0835	Chalk Talk: When to suspect it	Sorabh Kothari
0835-0850	Chalk Talk: Evaluation of acute heart failure in the emergency department or physicians' office-- first responder management	Sorabh Kothari
0850-0910	Investigation and diagnosis: how, what, where, when?	Parag Patel
0910-0930	Acute and intensive care management	Andrew Owuor
0930-0940	Common challenges to management and solutions	Parag Patel
0940-0950	A perspective from well-resourced environment in Africa	Martin Musumbi
0950-1005	Chalk Talk: A perspective from a resource-limited environment in Africa	Parag Patel and Andrew Owuor
1005-1015	Open Discussion	Parag Patel and Andrew Owuor
TEA BREAK AND EXHIBITIONS		

Session 2: Acute Pulmonary Embolism		
1045-1055	Acute Pulmonary Embolism: aetiology, significance, and epidemiology	Ken Kipkulei
1055-1105	Chalk Talk: When to suspect it	Jean Wanjema and Nelson Fundi
1105-1120	Chalk Talk: Evaluation in the Emergency room/physicians' office and first responder management	Jean Wanjema and Nelson Fundi
1120-1140	Investigation and diagnosis	Sorabh Kothari
1140-1200	Acute and intensive care management	Ken Kipkulei
1200-1210	Common challenges to management and solutions	Parag Patel / team
1210-1220	A perspective from well-resourced environment in Africa	Parag Patel / team
1220-1235	Chalk Talk: A perspective from a resource-limited environment in Africa	Andrew Owuor
1235-1245	Open Discussion	Andrew Owuor
1245 WORKING LUNCH Assessing Heart Failure Therapies in A Resource Limited Environment Dr. Dan Gikonyo		

Session 3: Cardiac Tamponade		
1400-1410	What it is, what causes it in Africa, and what is its importance/epidemiology	Hassan Aden
1410-1420	Chalk Talk: When to suspect it	Parag Patel / team
1420-1430	Chalk Talk: Evaluation in the Emergency room/physicians' office and first responder management	Parag Patel / team
1430-1450	Investigation and diagnosis	Hasham Varwani/ Peter Mugo
1450-1510	Acute care management: Demonstration of echo guided pericardiocentesis & pericardial drainage equipment	Hasham Varwani/ Peter Mugo
1510-1520	A perspective from well-resourced environment in Africa	Mohsen Gaballa
1520-1530	Open Discussion	Hassan Aden
TEA AND EXHIBITIONS		
Session 4: Acute Limb Ischemia		
1600-1610	What it is, what causes it in Africa, and what is its importance/epidemiology	Hardeep Gill
1610-1620	Chalk Talk: When to suspect it	Jean/ Nelson team
1620-1650	Evaluation, Investigation and diagnosis	Moustafa Musajee
1650-1720	Acute management: What is the evidence, is it available in Africa?	Hardeep Gill
1720-1730	Open Discussion	Hardeep Gill and Parag Patel
1800 MEETING CLOSE		

DAY TWO THURSDAY MAY 5th Acute Cardiovascular Care Symposium		
<i>Directors: P. Patel, M. Jeilan, N. Mathenge, E. Nasrallah, S. Kothari, E. Schmidt, B. Wachira, Hasham Varwani, R. Kimeu</i>		
Session 5: Tachyarrhythmia		
0800-0810	Aetiology: which are the important acute arrhythmias, differentiation between primary and secondary tachyarrhythmias	Redemptar Kimeu
0810-0840	ECG revision and classification of tachyarrhythmias	Mohamed Salim
0840-0850	Investigation and diagnosis	Mohamed Salim
0850-0910	Chalk Talk: Acute SVT management including flutter. Valsalva/drugs/adenosine/cardioversion	Parag Patel / team
0910-0920	Chalk Talk: Acute VT management. Drugs/cardioversion. Evidence for drugs in acute care	Parag Patel / team
0920-0930	Fast atrial fibrillation: acute and intensive care management, evidence for drugs in acute care	Mohamed Salim
0930-0945	Open Discussion	Parag Patel
TEA BREAK AND EXHIBITIONS		

Session 6: Acute Stroke		
1015-1025	What it is, what causes it in Africa, and what is its importance/epidemiology	Jean Wanjema
1025-1035	Chalk Talk: When to suspect it and how to evaluate it	Jean Wanjema and team
1035-1050	Chalk Talk: Evaluation in the Emergency room/physicians' office and first responder management	Jean Wanjema and team
1050-1110	Investigation and diagnosis	Dilraj Sokhi
1110-1120	Acute management: thrombolysis	Dilraj Sokhi
1120-1130	Acute management: thrombectomy	Amir Qureshi
1130-1140	Common challenges to management and solutions	Nelson Fundi / team
1140-1155	Chalk talk: A perspective from a resource-limited environment in Africa	Nelson Fundi / team
1155-1210	Open Discussion	Moderator: Dilraj Sokhi & Amir Qureshi
1210 WORKING LUNCH Management of Acute Hypertensive Crisis Dr. Redempta Kimeu and Dr. Mazen Albaghdadi		

Session 7: Bradyarrhythmia		
1315-1325	Aetiology: which are the most common acute bradycardias, differentiation between primary and secondary bradyarrhythmia	Fred Bukachi
1325-1355	ECG revision and classification of bradyarrhythmia	Parag Patel
1355-1400	Investigation and diagnosis	Parag Patel
1400-1430	Chalk Talk: acute heart block management, drugs/external pacing/ temporary pacing wire insertion. Practical demonstrations	Parag Patel / team
1430-1445	Open Discussion	Moderator: Fred Bukachi
TEA AND EXHIBITIONS		

Session 8: Acute Coronary Syndromes		
1515-1525	What it is, what causes it in Africa, and what is its importance/epidemiology	Anthony Gikonyo
1525-1535	Chalk Talk: When to suspect it and how to evaluate it	Parag Patel
1535-1550	Chalk Talk: Evaluation in the Emergency room/physicians' office and first responder management	Anthony Gikonyo
1550-1610	Investigation and diagnosis	Anthony Gikonyo
1610-1620	Acute management: thrombolytic therapy	Alok Iyer
1620-1630	Acute management: primary percutaneous coronary intervention (PCI)	Mzee Ngunga
1630-1640	Acute management: rescue PCI	Mzee Ngunga
1640-1650	Common challenges to management and solutions	Parag Patel
1650-1705	A perspective from a resource-limited environment in Africa	Hassan Aden
1705	Open Discussion	Parag Patel/ Anthony Gikonyo

Skills stations – May 6th & 7th

Station 1: ECG

Performing and transmitting an ECG, how to read an ECG, recognition of high-risk ECGs and STEMI patterns, ECG quiz

Station 2: Thrombolysis

How to administer thrombolysis, patient selection, post thrombolysis monitoring and management

Station 3: ACLS skills station part 1: CPR, defib, pacing, AED

Using a defibrillator/external pacing, cardioversion, AED

Station 4: ACLS skills station part 2: Medications, Airway, Post ROSC care

Basic life support, effective CPR, airway management

ACLS medications + post-ROSC care

Station 5: Point of care echo

THE AFRICA STEMI TWO-DAY ECHO COURSE

Wed May 4th – Thur May 5th

THE AFRICA STEMI TWO-DAY ECHO COURSE		
DAY ONE WEDNESDAY 4TH MAY		
0700 REGISTRATION		
0745	What to expect from this course. Why focus on Ischemic Syndromes?	Njambi Mathenge
0800	Applied cardiac morphology	Sheila Klassen
0840	Image optimization (Live demonstration)	Mike Foster
0910	Doppler: principles 1	Lloyd Joubert
0930 Morning Tea Break		
1000	Doppler: principles 2	Lloyd Joubert
1020	How an echo study should be done (include live demonstration)	Mike Foster
1050	Critical thinking in echocardiography	Philip Herbst
1130	Global LV systolic function	Zesi Ngubani
1200	Regional LV systolic function	Hasham Varwani
1230 WORKING LUNCH Chest wall imaging of coronary origins, coronary fistulae and anomalies – Mike Foster		
1330	Focus session: Which coronary is it?	Hasham Varwani
1355	An approach to diastolic function	Steve Ommen
1420	Focus session: Diastology cases	Selma Mohammed
1500	Echo assessment of hypertrophy of the left ventricle	Zesi Ngubani
1530 Afternoon Tea Break		
1600	Interactive myocardial case 1	Bernard Gersh
1620	Interactive myocardial case 2	David Dudzinski
1640	Interactive myocardial case 3	Chris Longenecker
1700		
1700	Echo assessment of thrombus of the left ventricle and the role of contrast	Hasham Varwani
1730	Echocardiography and the Echo Lab	Gerald Bloomfield
1800 End of day one		

**THE AFRICA STEMI TWO-DAY ECHO COURSE
DAY TWO THURSDAY 5TH MAY**

0700 REGISTRATION		
Clinical syndromes that can mimic ischemic heart disease in presentation		
0800	Aortic stenosis presenting with angina quality chest pain. Case vignette.	Njambi Mathenge
0815	Aortic stenosis – Evaluation by echo to guide management	Ntobeko Ntusi
0845	Aortic regurgitation presenting with angina quality chest pain. Case vignette.	Zaid Almarzooq
0900	Aortic regurgitation – Evaluation by echo to guide management	Sheila Klassen
0930	Aortic dissection – How to recognise aortic dissection using transthoracic echo	Ntobeko Ntusi
1000	Case vignette: pulmonary embolism – how to recognise PE on echo, assessment of right heart for prognosis in PE, and how to use it to guide management (20 min)	Mzee Ngunga
1020	Assessment of the right heart (30 min)	Tsungi Chipamunga
1050 Morning Tea Break		
Complications of MI: Structural consequences of coronary artery disease		
1100	Ischemic mitral regurgitation, papillary muscle dysfunction and papillary muscle rupture – recognising the problem and making decisions accordingly	Mazen Albaghdadi
1130	Mitral regurgitation: evaluation of severity by echo to guide management	Sheila Klassen
1200	Atlas of memorable cases.	Selma Mohammed Tom Gilliland Mzee Ngunga Zaid Almarzooq Fred Bukachi
1300 WORKING LUNCH		
STRESS ECHO Panel/Moderator: Mohamed Jeilan		
1330	Ischemia testing in CAD using stress echo	Derek Chin
1415	Focus session: Atlas of stress echo with corroborative coronary angiography	Derek Chin
1445	Interactive stress echo case 1 – Ischemic Cardiomyopathy	Derek Chin
1500	Interactive stress echo case 2 – Aortic Stenosis	Derek Chin
1515 Afternoon Tea Break		
CLINICAL CASES OF INTEREST		
1545	Interesting cases	Mike Foster
1615	Cardiac source of embolus - Mass	David Jankelow
1630	Cardiac sources of embolus - Endocarditis	Ntobeko Ntusi
4D ECHOCARDIOGRAPHY		
1645	4D ECHOCARDIOGRAPHY – An outline of its current use	Alfonso Pecoraro
1715	Atlas of memorable cases	Jonathan Byrne Fred Bukachi
1800 Vote of thanks and end of course		

THE AFRICASTEMI ONE-DAY ACUTE CORONARY INTERVENTIONAL SUITE

Thursday MAY 5th Acute Coronary Interventional Suite		
0700 REGISTRATION		
Session 1		<i>Awad Mohamed/ Sajidah Khan</i>
0745	Introduction	Awad Mohamed
0800	ACS intervention in Africa: Current status and trends.	Habib Gamra
0815	Unusual ECGs and presentations that mimic MI in the Covid era.	Zaid Almarzooq
0830	Acute coronary syndrome diagnosis without coronary angiography. Decision making using CT angiography and MRI.	Kevin Ombati
0850	Open discussion	Sajidah Khan
0910	An African ACS case. Asking the experts..	Yemi Johnson <i>(The Experts: Mohsen Gaballa, Jonathan Byrne, Robert Mvungi, Nashwa Ahmed)</i>
Session 2		<i>Charles Kariuki / Ahmed Suliman</i>
0940	High bleeding risk and ACS. Drugs and technologies to help manage this.	Chris Granger
1000	DOACs and ACS: unpacking the trial evidence. Indications, dosing, duration.	Sajidah Khan
1020	Chalk Talk: Are all stents the same? Are all DOACs the same?	Mohamed Jeilan
1035	A memorable ACS case	Ahmed Suliman
1050	Open Discussion	
1100 TEA BREAK AND EXHIBITIONS		
Session 3		<i>Mohsen Gaballa/ David Kettles</i>
1130	How I approach ACS presenting with left main disease.	Kamal Chitkara
1145	How I approach ACS presenting with multi-vessel disease.	Jonathan Byrne
1200	The African problem of ACS in coronary ectasia.	David Kettles
1215	Heavy thrombus burden in ACS. Defer or not defer. Presenting an African approach...	Awad Mohamed
1230	Heavy calcium in ACS.	Jonathan Byrne
1245	Open Discussion	
1300 WORKING LUNCH		
Session 4		<i>Martin Murage / Kamal Chitkara</i>
1400	ACS affecting bifurcating vessels. A stepwise approach.	Awad Mohamed
1420	A memorable case	Bernard Gitura
1435	A memorable case	Sajidah Khan
1450	Open Discussion	
Session 5		
1500	Spontaneous coronary artery dissection (SCAD) in Africa	Awad Mohamed
1520	Two SCAD cases that teach you what to do and what not to do	Jonathan Byrne
1540	What to do with myocardial bridging that presents with ACS	Jose Roberto dos Santos
1550	Open discussion	
1600 TEA BREAK AND EXHIBITIONS		
1630	State of the art- How to prevent and manage complications	David Kettles
1650	Complications in ACS intervention by Kamal Chitkara – Interactive session	Kamal Chitkara
1730	A letter from America	Azeem Latib/ Harun Otieno
1800 Thank you and farewell. End of programme		

Africa STEMI LIVE!- THE HEART OF AFRICA

DAY 1: MAY 6TH 2022

FRIDAY MAY 6th Africa STEMI LIVE! / The Heart of Africa			
0700 REGISTRATION			
Session 1 STEMI Live!			
0800-0920	A challenge for the experts! STEMI Live!	Case Presenter: Sajidah Khan	Moderators: Sajidah Khan Awad Mohamed Mohamed Jeilan Audience Experts: Ahmed Suliman Anthony Gikonyo David Kettles Emmy Okello Irene Njeri Jonathan Byrne Kevin Ndede Kieran Mwazo Khuzeimah Khanbhai Lois Wagana Mohsen Gaballa Nadeem Sheikh Yemi Johnson
0920-0940	The Evolving Epidemiology of ACS	Ahmed Suliman	
0940-1000	Social Differences in ACS Management	Nashwa Ahamed	
1000-1020	Clinical trials in ACS I would like to see in Africa	Chris Granger	
1020-1040	Open discussion		
1040-1100	Chronic coronary syndromes including the newest data from the ISCHEMIA trial.	Bernard Gersh	
1045-1100	Discussion	Sajidah Khan Awad Mohamed	
1100 TEA BREAK AND EXHIBITIONS			
Session 2 Innovators and Resuscitators			
1140-1200	Disruptive technology, artificial intelligence and the digital era.	David Jankelow	Moderators: Jonathan Byrne Njambi Mathenge Mohamed Jeilan Audience Experts: Bernard Samia Charit Bhograj Charles Kamotheo Daniel Nduiga David Kettles Mohamed Salim
1200-1220	Ischemic cardiomyopathy and its poor prognosis. Heart transplant using animal organs: the beginning of the end? Or the end of the beginning?	Selma Mohammed	
1220-1250	KEYNOTE: Cardiovascular care in resource limited settings	Elijah Ogola	
1250-1310	Do we need new trials of old therapies?	Bernard Gersh	

1310-1330	Are wearable devices the new frontier in quantification of lifestyle risk factors?	Romit Bhattacharya	
1330-1345	Discussion		
1345	LUNCH		
Session 3 Heart Failure (HF) Live!			
1445-1500	The clinical role of the new antidiabetic agents	Chris Granger	Moderators David Kettles Swaleh Misfar Hasham Varwani Audience Experts Charles Kariuki Daniel Nduiga Daniel Gikonyo Elijah Ogola Miriam Gatehi Mohamed Salim Nancy Kunyihya Vinesh Vaghela
1500-1520	Clinical trials in (ischemic) HF I would like to see in Africa	Amam Mbakwem	
1530-1630	A challenge for the experts - Decision making in Heart failure Live! A case of ischemic HF.	Case presenter: Swaleh Misfar Moderators: David Kettles, Hasham Varwani, Swaleh Misfar Experts: Charles Kariuki, Amam Mbakwem, Anders Barasa, Sheila Klassen, Sajidah Khan	
1630-1700	Future approaches to Heart Failure management	John McMurray	
1700-1715	Should we be starting a conversation in Africa on Vericiguat? Does it apply to ischemic HF?	Justin Ezekowitz	
1715-1730	Open Discussion		
1730-1745	The landmark SODIUM-HF trial. Salt restriction in HF. What question did it answer? Does it apply to ischemic HF?	Justin Ezekowitz	
1745-1800	New developments in the management of Heart Failure with preserved Ejection Fraction (HFpEF)	Selma Mohammed	
1800-1830	Open Discussion		
1830	EXHIBITIONS		

FRIDAY MAY 6th
Africa STEMI LIVE! /
The Heart of Africa
Afternoon Parallel session (meeting Rm 6)

Session 3b The African Data and Experience Zone			
1500-1515	The impact of Government backing from an African STEMI PCI program	Awad Mohamed	Moderators Ahmed Suliman Emmy Okello
1515-1530	Digital ECG systems initiative – an opportunity in Africa for ACS management and research	Charit Bhograj	
1530-1545	Participation in RCTs – what you need to know	Kevin Onyango	
1545-1600	The Kenyan Three Counties ACS project – an update	Hassan Aden	
1600-1615	What is an Acute Coronary Syndrome centre of excellence?	Boniface Mativa	
1615-1630	Genetics of CV disease in Africa: current status and future directions	Ntobeko Ntusi	
1630-1645	Developing and disseminating local guidelines on CVD management. A Kenya Cardiac Society initiative.	Bernard Gitura	
1645-1700	Challenges managing ACS in Angola	Jose Roberto dos Santos	
1700 DISCUSSIONS			
1730-1745	The Uganda Heart Institute project - 10 years later. Challenges and opportunities	Emmy Okello	Moderators Ahmed Suliman Emmy Okello
1745-1800	Strengthening CV health systems in Ghana	Alfred Doku	
1800-1815	Decentralizing echo diagnosis in Rwanda and other African countries	Sheila Klassen	
1815-1830	Setting up an ACS registry - a toolkit that can be useful in Africa	Thomas Alexander	
1830 EXHIBITIONS			

HEART OF AFRICA/ AfricaSTEMI LIVE!

DAY 2: MAY 7TH 2022

SATURDAY MAY 7th AfricaSTEMI LIVE! / The Heart of Africa			
0700 REGISTRATION			
Session 4 Covid-19, ACS and thrombosis			
0800-0815	The Covid Acute coronary syndrome registry	Mzee Ngunga	Moderators Erick Njenga Kamal Chitkara Irene Njeri Audience Experts Felix Riunga Charles Kariuki Marybeth Maritim Reena Shah Nadeem Sheikh Jumaa Bwika Laura Kirui Thomas Luscher
0815-0830	Myocarditis related to Covid-19	Selma Mohammed	
0830-0855	The long-term cardiovascular effects of Covid.	Bernard Gersh	
0855-0910	Discussion	Felix Riunga/ Marybeth Maritim/ Jumaa Bwika	
0910-0930	Pharmacological management of pulmonary thromboembolism	Speaker tbc	
0930-0945	STATE OF THE ART: Novel technologies in the interventional management of pulmonary embolism	Mazen Albaghdadi	
0945-1000	STATE OF THE ART: Interventional management of superficial venous disease	Robert Mathenge	
1000-1030	Discussion	Laura Kirui/ Jumaa Bwika/ Charles Kariuki	
1030 TEA BREAK AND EXHIBITIONS			
Session 5			
1130-1150	The correct way to manage left ventricular thrombus	Chris Granger	Moderators Yubrine Moraa Erick Njenga Audience Experts Anthony Ochola Boniface Mativa Daniel Nduiga Florence Keli Irene Njeri Judy Kwasa Mohamed Salim Sheila Maina
1150-1210	STATE OF THE ART: Acute cardioembolic stroke. Before you get to the cathlab	Dilraj Sokhi	
1210-1240	STATE OF THE ART: Intervention by cardiologists to treat acute cardioembolic stroke	Mark Ableson	
1240-1300	Open Discussion		
1300-1400 Preventing Stroke and Myocardial Infarction: Hypertension management and RAAS blockade beyond BP control Prof Elijah Ogola SATELLITE SYMPOSIUM LUNCH			
Session 6 Beyond the heart		<i>Bernard Gitura/ Mzee Ngunga</i>	
1430	The Future of Drugs: From herbs and pills to nucleotide acids	Thomas Luscher	Moderators Jonathan Byrne Kamal Chitkara
1450	The Art of the Deal: How to keep patients on the tablets they need	Chris Granger	

1510	The Art of Public Speaking: How to give a bad presentation	Bernard Gersh	Yubrine Moraa Audience Experts Bernard Gitura PKJ Patel
1530	Discussion		
1600 VOTE OF THANKS & END OF CONGRESS			

SATURDAY MAY 7th The Heart of Africa / AfricaSTEMI LIVE! Mid-Morning Parallel session (meeting Rm 6) THE TOP TEN AFRICASTEMI ABSTRACTS COMPETITION	
THE TOP TEN AFRICASTEMI ABSTRACTS COMPETITION	<i>Emmy Okello/ Ahmed Suliman/ Lilian Mbau</i>
0930-1030 The Top Ten Abstracts Abstract 1-5	
1030 TEA BREAK AND EXHIBITIONS	
1100-1200 The Top Ten Abstracts Abstract 6-10	
1230-1245 JUDGES DELIBERATION	
1245-1400 WORKING LUNCH	