

## BIOGRAPHICAL SKETCH

NAME: KHANBHAI, KHUZEIMA

POSITION TITLE: Consultant and Interventional Cardiologist

Degree: Md,Mmed(internal medicine ),FCP-ECSA,MSc Cardiology,FESC,FACC,FCSCAI

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### EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Muhimbili University of Health and Allied Sciences, Tanzania	MD	12/2007	Medicine
Muhimbili University of Health and Allied Sciences, Tanzania	MMed	12/2013	Internal Medicine
Muhimbili University of Health and Allied Sciences, Tanzania	MSc	12/2018	Cardiology

### A. Personal Statement

Dr. Khanbhai is interventional cardiologist at Jakaya Kikwete Cardiac Hospital (JKCI). He has expertise in all echocardiographic modalities and cardiac catheterization procedures including coronary angiography and angioplasty, peripheral interventions device implantations. He mentors cardiology fellows, internal medicine residents, medical students, and undergraduate students working on projects in the coronary care unit. He is involved in conducting research focused on addressing the care of acute coronary syndrome from multiple perspectives and has contributed several publications on the diagnosis and management of patients with acute coronary syndrome. In addition, he is one of few interventional-trained cardiologists in the nation. He oversees the National Registry for Cardiovascular Disease(NCDR) registry, which is affiliated of the American College of Cardiology, and serves as a member of the ethics committee at JKCI. He is also A honorary lecturer at the Muhimbili University of Health and Allied Sciences (MUHAS).

### B. Positions and Honors

#### Positions and Employment

2008- 2010 Medical Doctor, Regency Medical Centre, Tanzania

2013- 2016 Medical Specialist,( internal medicine) Regency Medical Centre Dar-es-salaam, Tanzania

2016- 2018 Cardiology/Interventional Cardiology fellow, Muhimbili University of Health and Allied Sciences,  
Tanzania

2019- Consultant Interventional Cardiologist, Jakaya Kikwete Cardiac Hospital, Tanzania

2019- Honorary Lecturer, Muhimbili University of Health and Allied Sciences  
 2020- clinical coordinator for Training at Jakaya Kikwete Cardiac Institute

### **Other Experience and Professional Memberships**

2009 – 50 hours -Intensive care course, Aghakhan Hospital, Tanzania  
 2015– Diploma, Echocardiography, University of Vienna, Austria  
 2017- Member, East Central and Southern College of Physician fellow  
 2017- Professional Member, European Society of Cardiology  
 2017- Member American college of Cardiology  
 2018- Member, Tanzania Cardiac Society  
 2018- 2019 2-months advance training in interventional cardiology, Apollo Hospital, India  
 2020- Member, Ethical Review Board Committee, Jakaya Kikwete Cardiac Institute  
 2023 Pioneer and Secretariat for First STEMI Conference in Tanzania  
 2023 Currently Curriculum developer for various cardiology certificate and degree courses at Jakaya Kikwete Cardiac Institute  
 2024 Head of Training committee for Association of Physician of Tanzania  
 2024 Board Member Madaktari Africa (NGO )  
 2024 Fellow of European Society of Cardiology (FESC)  
 2024 Organized biggest cardiology conference in Tanzania Heart team Africa Cardio Tan 2024  
 2025 Fellow of American College of Cardiology (FACC)  
 2025 Recipient of Hani Najm Scholar Award from American College of Cardiology  
 2025 Successfully achieved certification for JACC Peer Review course  
 2025 Fellow of Society of Cardiovascular Angiogram and intervention (FSCAI)

### **C. Contribution to Science**

### **LIST OF PUBLICATIONS**

#### **1. Obstructive Acute Coronary Syndrome Risk Factors**

I have worked closely with data managers at the JKCI to develop a NCDR registry for acute coronary syndrome registry which will allow for the evaluation of the management and outcomes of ACS patients seeking care in that hospital critical information needed for the development of in hospital quality improvement interventions. Leveraging from registry, we described the prevalence, patterns, and predictors of angiographically-detected CAD among patients receiving care at the first and only public cardiac catheterization laboratory in Tanzania: We reported high rate of obstructive CAD in our study, prevalence that comparable to rates reported in registry data of patients undergoing coronary angiography in the US. In addition, the burden of CAD and its associated risk factors such as diabetes and hypertension were considerable in Tanzania and represent a major public health concern. In addition to this study, I have collaborated other investigators from India to evaluate outcome of STEMI patients who underwent primary vs non-primary PCI in India. We demonstrated that outcomes among STEMI patients treated with primary PCI and non- primary PCI were comparable in a low-and middle-income setting. Results from both projects were recently presented at the American College of Cardiology Conference 2020.

- **Khanbhai KS**, Pallangyo P, Bhalia S, et al. Prevalence, Patterns, and Predictors of Obstructive Coronary Artery Disease among Patients undergoing Coronary Angiography in a Tertiary Hospital in Tanzania. Journal of the American College of Cardiology. 2020 Mar 24;75(11S1):208-.

- Mark Mayala, Henry Mayala, **Khuzeima Khanbhai**. Comparative Efficacy of Angiotensin Converting Enzymes Inhibitors and Angiotensin Receptor Blockers in Patients with Heart Failure in Tanzania: A Prospective Cohort Study.
- Mark Mayala, **Khuzeima Khanbhai** et al: Correlates and Short-Term Prognostic Value of Plasma N-Terminal Pro- Brain Natriuretic Peptide Levels among Heart Failure Patients; in a Wake of COVID-19 Pandemic: A Prospective Cohort Study
- Janabi MY, Nyawawa E, **Khanbhai KS**, et al. Coronary Artery Bypass Graft Surgery in Tanzania: 5 Years of Experience at Jakaya Kikwete Cardiac Institute.
- Albaghdadi MS, Khraishah H, Siedner M, ElGuindy A, Mihatov N, **Khanbhai KS**, et al. Primary versus Non-Primary PCI among STEMI patients in India: Retrospective analysis of the Acute Coronary Syndrome Quality Improvement (ACS QUICK) Cluster-Randomized Stepped Wedge Trial. Journal of the American College of Cardiology. 2020 Mar 24;75(11 Supplement 1):3549
- Pedro P, **khuzeima K et al** Medication Adherence and Blood Pressure Control Among Hypertensive Outpatients Attending a Tertiary Cardiovascular Hospital in Tanzania: **A Cross-Sectional Study**
- Sarah Matuja, **Khuzeima Khanbhai** et al. The burden, correlates and outcomes of left ventricular hypertrophy among young Africans with first ever stroke in Tanzania Open Access
- Sarah Sali Matuja, **khuzeima Khanbhai** et al: Predictors of 30-day mortality among patients with stroke admitted at a tertiary teaching hospital in Northwestern Tanzania: A prospective cohort study
- Matuja SS, Munseri P, **Khanbhai K**. The burden and outcomes of stroke in young adults at a tertiary hospital in Tanzania: a comparison with older adults. BMC neurology. 2020;20:1-0.
- Matuja SS, **Khanbhai K**, Mahawish KM, Munseri P. Stroke mimics in patients clinically diagnosed with stroke at a tertiary teaching hospital in Tanzania: a prospective cohort study. BMC neurology 2020;20:1-7.
- Muhamedhussein MS, Ghosh S, **Khanbhai K**, et al. Prevalence and Factors Associated with Acute Kidney Injury among Malaria Patients in Dar es Salaam: A Cross-Sectional Study. Malaria research and treatment. 2019;2019.

## Case reports

- **Khanbhai KS**, Missed Wellen's Syndrome pattern vs ST-elevation myocardial infarction (STEMI). Cardiovascular Journal of Africa. 2019 Apr 1;30(Supplement 1):61
- **Khuzeima.K.S** et al Interventional Cardiology Journal Saphenous Vein Graft Stenosis Case report
- **Khuzeima.K.S et al** .Total Proximal Left Anterior Descending Artery Occlusion Presenting as Right Sided Chest Pain with a Misdiagnosis of Costochondritis: A Case Report.

## International Presentations and Faculty

2018: Case of wallens Syndrome at Stemi Africa live  
2019 : Faculty member AFRICA STEMI LIVE  
2022: Cathlab complication presentation in Nairobi Kenya  
2022/23 : ChallengIng case competition in CardioEgypt conference  
2023 : Challenging case competition In Africa stemi live and also Faculty  
2024 : Faculty PAFCIC (Pan african School of Intervention)

## **Awards**

2018 Best cardiology Msc student at Muhimbili University of Health and Allied Sciences

## **Referees**

PROFESSOR MOHAMMED Y JANABI  
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