



Chest Pain Clinic



Making chest pain care
accurate, affordable
and accessible to all



Bringing early life-saving intervention closer to patients

27% of deaths in India are caused by cardiovascular diseases (CVD)

52% of these CVD deaths occur before the age of 70



Transforming small hospitals into 'Acute Diagnostic and Management facilities' across neighbourhoods in India

Timely intervention critical to saving lives

A heart attack is one of the most time-sensitive medical emergencies, with the ideal treatment window being under 60 minutes. It is also a complex condition to evaluate and treat safely under acute circumstances. Early detection and intervention are key to improving survival rates. The sooner a heart attack is identified and treated, the greater the chance of saving lives.

Rapid Identification of Cardiac vs. Non-Cardiac

A significant challenge in heart attack management is quickly differentiating between patients suffering from acute coronary syndrome (ACS) and those with non-cardiac chest pain. Immediate and accurate identification is critical to ensuring the right treatment is administered without delay. The Chest Pain Clinic (CPC) process enables diagnosis within 15 minutes, ensuring timely and appropriate intervention.

Chest Pain Clinic is a breakthrough model that enables life-saving decisions early in the care chain



Stage 1: Early life-saving Intervention

Primary and Secondary Health Centres to be equipped to provide rapid diagnosis and emergency care in the event of chest pain or a heart attack under the supervision of experts through the CPC platform.



Stage 2: Ambulance transfer to closest reperfusion centre

54.5 MN Prevalence of cardiovascular disease in 2016

Empowering small hospitals to diagnose a heart attack in under 15 minutes

Chest Pain Clinics as the First Point of Care for Early Heart Attack Intervention

The Chest Pain Management Platform empowers polyclinics, nursing homes and small hospitals to serve as the initial point of care for chest pain cases. By leveraging advanced technology, AI-driven processes and 24x7 physician support, the platform enables rapid and precise diagnosis. This innovative approach expands access to timely care, reaches a larger population, and ensures early intervention for improved outcomes.



Accreditation of the CPC as a Centre of Excellence in management of chest pain will ensure increased patient footfall.

The Chest Pain Management Platform enables :



Improved Speed and Accuracy of diagnosis within minutes.



Real-time process outcomes
Monitoring of real-time health outcomes with the help of a unified telemedicine platform.



Standardization of quality and care across all health facilities.



Reduction of delays caused by travel to tertiary hospitals, enabling faster diagnosis and treatment.



Task sharing with greater involvement of nurses through training and certification.



Cost effective solutions to bring care closer to communities.

Handholding by experts

AI-supported remote ECG diagnosis confirmed by experienced cardiac technicians and a clinical decision support system based on the latest guidelines ensures that hospitals can confidently diagnose and treat chest pain.



Segregating Cardiac and Non-Cardiac Chest Pain Patients

Partner with us and transform your hospital

Subscription includes:

1

12-lead ECG machine with Wi-Fi capability to seamlessly transmit ECGs for remote diagnosis.



2

Tele-ECG AI-supported remote diagnosis using technology developed by Yale University, with 24/7 local escalation team support and cardiologist-approved results.



3

Clinical Decision Support System (CDSS) provides well defined patient care pathways for heart attacks, guiding the GP or physician in managing chest pain including diagnosis, risk profiling, administration of emergency medications, and appropriate triage.



4

Troponin kit for point-of-care testing of blood troponin to diagnose NSTEMI (Non-ST-Elevation Myocardial Infarction).

5

Training Programme for physicians and nurses, focussed on management of patients with chest pain conducted in-person or online for self-paced learning.



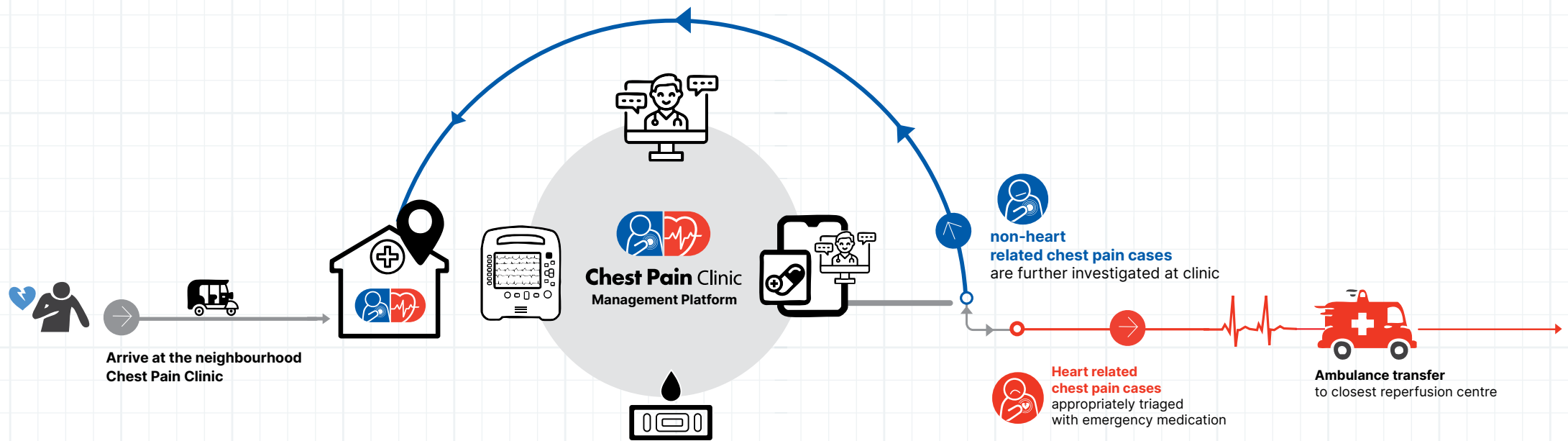
6

Chronic Disease Management module of CDSS available for management of comorbidities including diabetes, hypertension and dyslipidemia.

7

Certification by STEMI India to accredit hospitals that adhere to the protocol.

Investing in Primary and Secondary Health Centres → The CPC Service chain



Stage 1:
Early intervention
across neighbourhoods in underserved locations

Chest Pain Clinic Management Platform provides well-defined patient care pathways for heart attacks, guiding the GP or physician in managing chest pain—including diagnosis, risk profiling, administration of emergency medications, and appropriate triage.

The platform rapidly segregates heart-related and non-heart-related chest pain patients.

Stage 2:
Ambulance transfer
to closest reperfusion centre

Stage 3:
Ongoing follow-up care at Chest Pain Clinic
for patients with co-morbidities.

Partner with the leaders in innovative cardiac care to build a powerful ecosystem together

The brainchild of world-renowned cardiologists Dr. Thomas Alexander and Dr. Ajit Sankardas Mulasari, KardiaKonnnect's Chest Pain Clinics are the first responders in the patient's journey to full recovery. The future forward team has pioneered STEMI India, a non-profit organisation that pioneered the development and implementation of systems of care for STEMI in India and other low- and middle-income countries. Dr. Thomas Alexander and Dr. Ajit Sankardas Mulasari have a combined experience of more than 6 decades in treating patients with chest pain.

Lead the way - Powered by the experts

CONCEIVED, DEVELOPED AND IMPLEMENTED BY STEMI INDIA.

STEMI INDIA has developed evidence-based ICMR-accredited National STEMI (ST- Elevation Myocardial Infarction) Protocol and has implemented this protocol in several states across the country. It provides protocols, training and digital tools to the National Health Mission of India notably in Gujarat, Jharkhand and Tamil Nadu, and to several other LMICs such as South Africa and Egypt.



Innovative
cardiac care
ecosystem



STEMI INDIA
Implements the
Protocol in several
states across the
country

Dr. Thomas Alexander

Consultant, Interventional Cardiologist and Head of Division of Cardiology at Kovai Medical Center and Hospital, Coimbatore.

Dr. Thomas Alexander has established the interventional unit in the 1,900-bed KMCH - the department performs approximately 4,500 procedures, including over 2,500 cardiac interventions each year. He has published over 60 papers in peer-reviewed journals and is a fellow of the Royal College of Physicians, the American College of Cardiology, the Indian College of Cardiology and the Cardiological Society of India. He is a founding trustee of the STEMI India Charitable Trust and co-chairs Stent – Save a Life, a not-for-profit organisation affiliated to Euro PCR. Dr. Alexander has been recognised globally as a pioneer in research in developing STEMI systems of care for LMICs.

Dr. Ajit Sankardas Mulasari

Director of Cardiology at Madras Medical Mission.

Dr. Ajit Mulasari holds the adjunct Professorship to the Case Western Reserve University, Cleveland, USA besides two positions at IIT Madras - Adjunct Faculty at Department of Biotechnology, and Professor of Practice, Department of Medical Science & Technology. He is the international coordinator for the Royal College of Physicians & Surgeons of Glasgow in India. He has been the Primary Investigator for various Clinical Trials including EXTRACT TIMI – 25, the OLYMPIA – TAXUS registry, SPIRIT – V registry and the COSIMA trial and has published 214 peer-reviewed papers and 205 abstracts so far. Dr. Mulasari is a founding trustee of STEMI India, and of Sankalp, an organization for children with learning disabilities.



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