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Revolutionizing Coronary Artery Disease (CAD) diagnosis and monitoring through AI-powered CT Scan Analysis

A devastating local-global problem

Coronary Artery Disease (CAD)

1/3

Deaths from cardiovascular disease [1,2]

50%

Of CAD is silent until the 1st heart attack [3]

$46.3B

Annual APAC costs for heart disease [4]

2x

Projected by 2050 (730M people in Asia) [5]

The Key

Cardiac CT Scans

Most

Comprehensive way to evaluate arteries

1st

Choice cardiac scan in all guidelines [6]

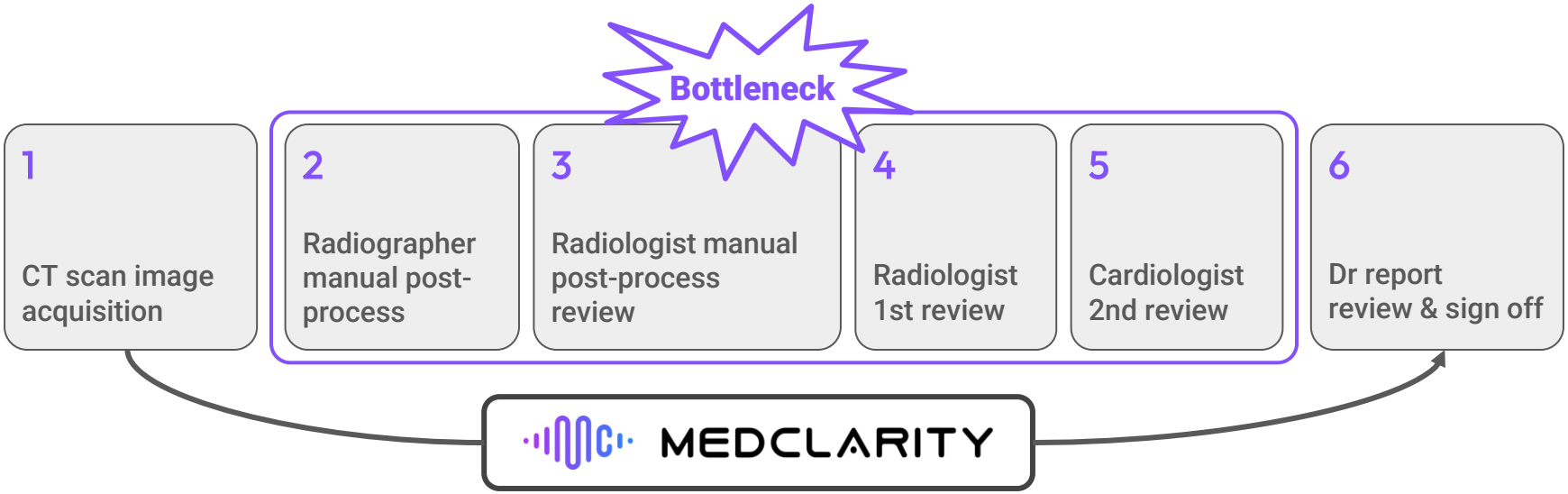
No.1

Growth cardiac scans worldwide [7,8]

7x

Increase in demand for CT scans [9]

Pain Points in Current Cardiac CT Scan



- **Automates** radiographer & expert doctor analysis to **boost productivity**
- **Maximizes** CT scanner utilization for continuous throughput
- Reduces screening cost
- Enables routine adoption
- Can reduce diagnostic human errors by providing consistent reproducible results

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Cardiac CT scan AI platform

Supports clinical decisions

Empowers the doctor to review customise as needed

Ensures accurate, personalized assessments integrated into doctors' routine workflow

All-in-1

AI Platform for Cardiac CT

<6 mins

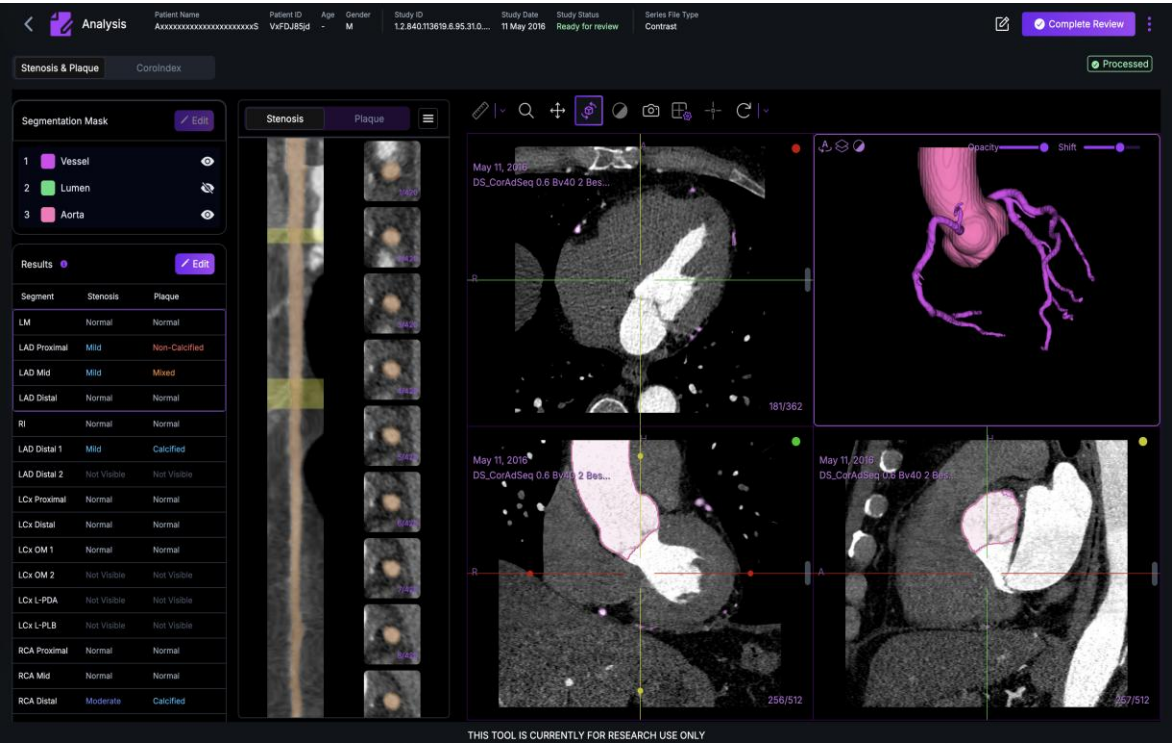
Scan-to-report time (10x faster)

>300%

Productivity increase

>5000

Biggest ASEAN-focused data bank



Epicardial Adipose Tissue (EAT)

Full heart inflammation check

Calcium Score

Quick non-contrast screening

Stenosis + Plaque Type

Detailed blockage and plaque analysis

CoroIndex

Advanced blood flow insights to support treatment planning

Patents, Know-how, Deep Tech

Calcium Detection & Scoring

3D segmentation of calcified regions with automated scoring for cardiovascular risk assessment

Epicardial Adipose Tissue (EAT) Analysis

AI-based 3D segmentation, quantification of EAT for cardiometabolic risk profiling

Multi-Planar Reconstruction (MPR)

AI-enhanced visualization of coronary arteries from multiple perspectives

Automated Artery Centerline Detection & Tracking

AI-powered system for precise artery pathway extraction

3D Coronary Artery Segmentation & Reconstruction

AI-driven segmentation for highly accurate artery mapping

Curved Planar Reformation (CPR)

Straightens tortuous arteries for improved stenosis and plaque assessment

Deep Learning-Based Stenosis & Plaque Detection

Uses 3D CNN and Transformer networks for automated diagnosis

AI-Powered Stenosis Grading

Automated classification of stenosis severity (minimal to complete occlusion)

Automated Plaque Identification & Classification

Differentiates between non-calcified, calcified, and mixed plaques

AI-Guided Coronary Artery Tree Analysis

Advanced segmentation and feature extraction for lesion assessment

Founding Team & Key Industry Advisors

Martin Wang (CEO)

MOE Scholar & NTU graduate, serial entrepreneur, co-founder of a $300M SaaS company, with deep tech expertise

19 years of experience

Dr. Lohendran Baskaran

Senior Consultant Cardiologist, NHCS; Clinical lead, ASEAN's no.1 cardiac imaging AI lab

15 years of experience

Assoc Prof Zhong Liang, PhD

Senior Clinician Innovator & Scientist; AI & healthcare engineering expert; Technical lead, ASEAN's no.1 cardiac imaging AI lab

20 years of experience

Adj A/Prof Lynette Teo, Dr

Senior Consultant Radiologist, Clinician-Educator. Serves as Advisory Board Member to imaging and pharmaceutical companies.

22 years of experience

A strong expert advisor group, including KOLs in cardiology, radiology, and AI science