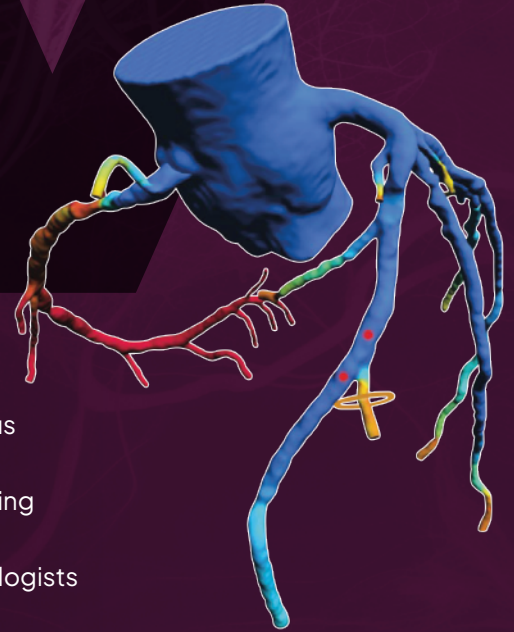




VCAST



A non-invasive alternative to stress tests and invasive angiography

VCAST is an innovative, AI-powered software solution for the autonomous evaluation of coronary artery disease (CAD). It delivers non-invasive, cloud-based diagnostics enhanced by interactive 3D modeling – providing faster, more accurate, and more cost-effective results than traditional methods. By leveraging advanced AI algorithms, VCAST supports cardiologists and radiologists in making precise, personalized clinical decisions.



AI-driven, automated CAD diagnostics:

Faster, more accurate, and cost-effective than traditional methods.



Cloud-based and scalable:

Deployable within 15 minutes and easily accessible from any web browser.



Supports clinical decision-making:

Advanced 3D modeling, FFR-CT, and EFR analysis.



Reduces unnecessary procedures:

Minimizes false positives and prevents unnecessary hospitalizations.



Regulatory compliant and reimbursable:

Meets international guidelines, ensuring financial viability.

Advanced CAD Diagnostics

Eliminating Diagnostic Uncertainty:

Traditional stress tests often lead to inconclusive results, with up to 50% yielding false positives and a staggering 20% of CAD patients remaining undiagnosed. **VCAST** provides definitive, AI-powered analysis, reducing the need for unnecessary procedures and ensuring accurate detection.

Reducing Invasive Procedures:

With chest pain being a leading cause of emergency admissions, many patients undergo invasive angiographies that could be avoided. **VCAST** offers a non-invasive, precise diagnostic alternative, minimizing unnecessary hospitalizations and invasive interventions.

Rapid and Accurate Diagnosis:

Traditional CAD diagnostics are often slow, costly, and invasive. **VCAST** delivers fast, efficient, and non-invasive AI-powered coronary computed tomography angiography (cCTA), aligning with the recommended standards of leading cardiology associations (ACC, AHA, ESC). This ensures timely and accurate diagnosis, leading to improved patient outcomes.



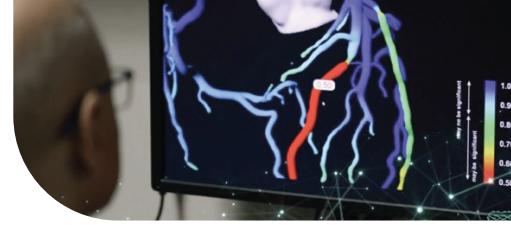
VCAST



Kardiolytics

www.kardiolytics.com

How does VCAST work?



1 Upload CT Data:

Physicians upload DICOM images via the VCAST web platform

2 AI Processing:

VCAST autonomously analyzes coronary arteries, detecting stenosis, blood flow, and plaque characteristics.

3 Interactive

3D Visualisation:

The platform provides color-coded, 3D vessel reconstructions, offering detailed functional diagnostics.

4 Automatic Reporting:

AI generates a comprehensive diagnostic report in less than 3 hours.

Key Benefits



Health Care Providers:

- **Reduced hospital costs**
Prevents unnecessary stress tests and invasive procedures.
- **Improved patient triage**
Accelerates emergency department decisions for chest pain cases.
- **Supports reimbursement and regulatory standards**
Aligns with existing country-specific reimbursement guidelines.
- **Scalable across multiple sites**
Works with existing hospital IT infrastructure.

Physicians:

- **Automated workflow**
Reduces reliance on radiologists and minimizes manual work.
- **More precise diagnosis**
AI detects coronary stenosis, blood volume, pressure, and velocity.
- **Cloud-based, scalable solution**
Accessible via a web browser, deployable in less than an hour.
- **Supports clinical decision-making**
Integrates functional flow reserve (FFR-CT, EFR) analysis for treatment planning.

Patients:

- **Non-invasive CAD diagnosis**
No need for unnecessary invasive procedures.
- **Faster, more accurate results**
Diagnosis in less than 3 hours instead of days.
- **Lower radiation exposure**
compared to traditional diagnostic methods.
- **Earlier intervention and better outcomes**
Patients receive optimized treatment plans sooner
- **Earlier CCTA diagnostics**
Enabling better treatment plans and optimizing medication strategies



VCAST

A must-have solution for healthcare providers looking to **cut costs**, **reduce waiting time** for CAD diagnostics, and **improve patient outcomes**.