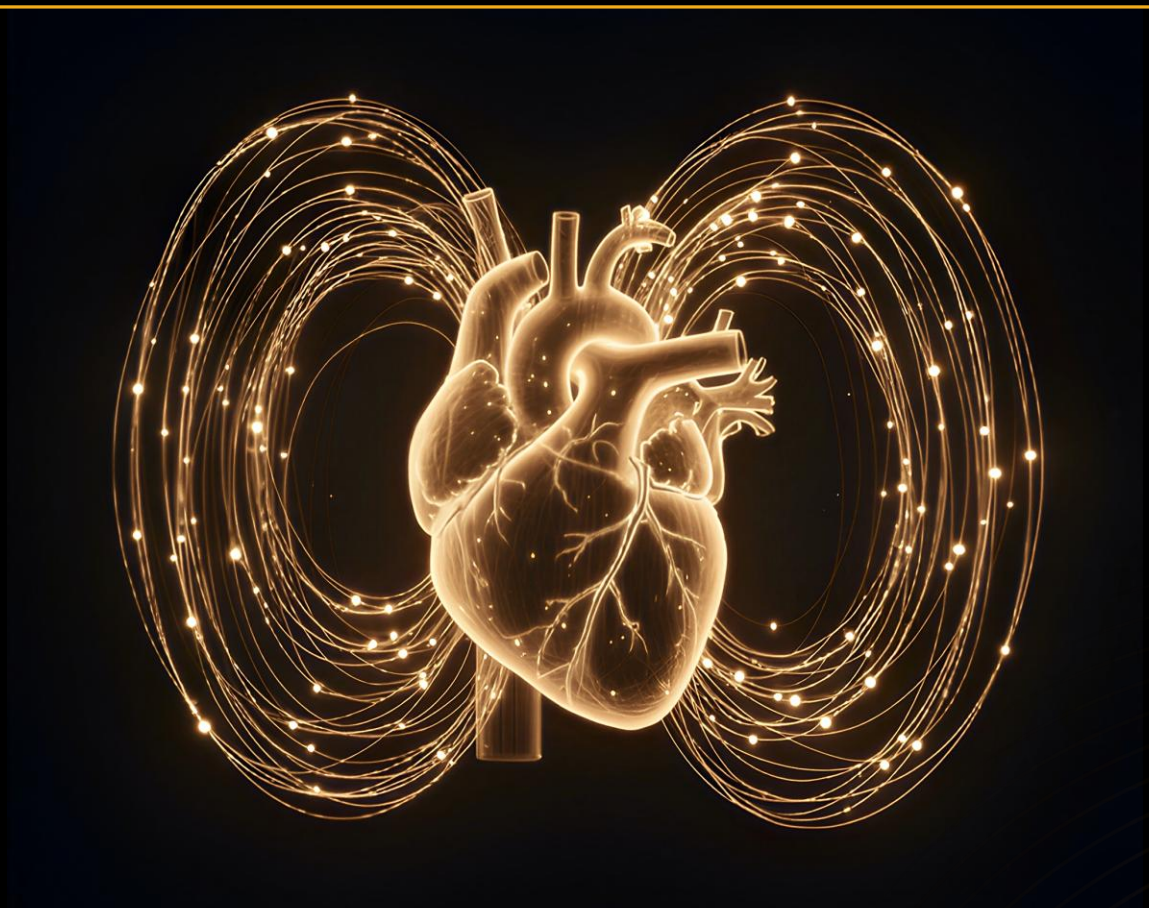


ED Chest Pain Is Complicated

The answer is magnetic

Two thirds of the nine million patients present with chest pain in US emergency departments every year don't get a quick rule-in or rule-out. One 5-minute, non-invasive bedside CardiAQ scan has the potential to enable more confident triage for emergency departments overflowing with gray zone patients.

Chest Pain Statistics

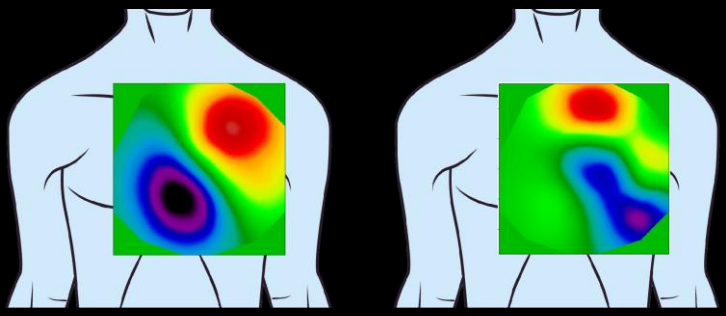
90%+
of EDs report overcrowding

50-70%
patients are in the 'Gray Zone'

$10,000
typical opportunity cost of 1 incremental hour of ED Boarding

Potential to Visualize Ischemia

Magnetocardiography
the Heart's Magnetic Signature



Healthy Patient

High Risk Coronary Artery Disease (HRCAD) Positive

The Clinical Innovation of Magnetocardiography

Magnetocardiography (MCG) is a non-invasive tool for imaging the heart's electrophysiology. MCG measures the magnetic fields produced by the heart's electrical activity, which pass through tissue undistorted, potentially revealing ischemic signals that standard tools like ECG may miss.

The CardiAQ MCG System design for

- 5-minute, non-invasive scan
- Radiation and contrast-free
- 1-hour training. Any clinical staff
- Easily interpreted results

Mount Sinai

"We asked: can we do this in a busy emergency room? In our first clinical trial, in one of the busiest emergency rooms in NYC, we were able to successfully evaluate this technology and demonstrate its potential. We observed that the device was easy to use and ED workflow was not disrupted by this 5-minute scan."

Dr. Jeffrey Bander, Chief of Cardiology, Mount Sinai West

SHAPING THE FUTURE OF CARDIAC DIAGNOSTICS WITH AQ TECHNOLOGY

SANDBOXAQ

MAYO CLINIC

"We believe that our combined efforts will advance the field of cardiac diagnostics and significantly impact patient care. Together, we aim to revolutionize the management of heart disease."

Dr. Mohamad Alkhouli, Professor & Vice Chair for Strategic Partnerships, Mayo Clinic

Case study: Silent heart attack

Study participant 035

The cost of delay
Active ischemia can be invisible to standard tests, risking catastrophic cardiac events hours after discharge.

The MCG Advantage
A 5-minute non-invasive MCG scan could reveal the heart's unique magnetic signature. Preliminary retrospective analysis suggests this patient could have been flagged as abnormal nearly 6 hours earlier.

Outcome: 100% Mid-LAD Occlusion, Received 4 Stents

11:59 AM
Presented to ER, Chest Pain

ECG & Troponin negative. No indication of ACS

1:53 PM
CardiAQ MCG scan acquired (Investigational).
*Results not used clinically

2:30 PM
Patient Discharged (GERD).

6:00 PM
Returned with severe chest pain. STEMI confirmed on new ECG.

CardiAQ Studies to date: 423 participants scanned, 0 adverse events.

Mt Sinai ED Study

Patients presenting to the ED with chest pain symptoms suggestive of ACS not experiencing STEMI

127	76%	84%
Patients scanned	Sensitivity*	Specificity*

https://www.jacc.org/doi/full/10.1016/j.jacc.2026.02.2965

* Excluding subjects diagnosed with cardiac disease other than occlusive ischemia

Mayo Clinic Study

Patients scheduled for diagnostic angiography or revascularization for ischemia / acute MI

34	83%	81%
Patients scanned	Sensitivity	Specificity

https://www.jacc.org/doi/full/10.1016/j.jacc.2026.02.2070

SCAN QR Code

SANDBOXAQ

For Partnership Opportunities or Research Interest

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