



Cardiac Solution

Intelligent Healthcare

New Pathways for Smart Population Healthcare Management

Nanox.AI goes beyond its commitment to save lives in acute settings, to advancing value-based population healthcare management on a large scale, pioneering tomorrow's medical imaging AI.

Using patient imaging data **already available** to the healthcare system, our proven solutions highlight, previously undetected signs of common chronic diseases. These new findings can then initiate further medical assessment to establish individual preventative care pathways for patients.

Improved Patient Care - Everybody Wins

Integrated delivery networks and payers benefit from this technology through more accurate risk-adjustment, timely intervention, and improved quality of health services, while significantly reducing the associated costs.

Cloud-based Seamless Integration

Our reliable, seamless technology now enables more accurate reimbursement, so that more vulnerable patient populations can lead longer, healthier, more active lives.

Nanox.AI Cardiac Solution

Straight from the Heart

Coronary Artery Calcium (CAC) is the strongest predictor of future cardiac events, with patients in the highest score category over 20 times more likely to suffer a cardiac event.^[1] Close to 80 million CT scans are performed in the US each year, many of them of the chest, for different purposes. Non-gated CT scans, shown to have a similar prognostic value to cardiac-gated CT scans, are performed 20 times more frequently.

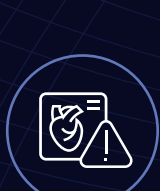
Now, thanks to Nanox.AI, this vast, largely untapped pool of data can be used not only in individuals but also at the population level.

Nanox.AI's Cardiac solution* analyzes already existing non-gated CT scans and quantifies the CAC, without exposing patients to additional radiation. Clinicians are equipped with a valuable tool to detect early signs and estimate the risk of future cardiovascular events, which they can prevent or greatly mitigate by placing patients on relevant care pathways.

HOW IT WORKS



Nanox.AI's Solution's AI software analyzes any existing CT chest or abdomen scan in the PACS system.



Analyzing thousands of cases in minutes, Nanox.AI's software identifies those at high risk.



Radiologists validate the algorithm's output and add it to their report.



Patients are referred to primary care physicians or cardiologist for a cardiac workup.



Patients are prescribed a preventative care plan to prevent future cardiac events.

Criteria for Inclusion: Patients over age 30, with the heart fully included in chest/abdomen CT scans.

WHO BENEFITS AND WHY

Patients, Above All

Insurers, Integrated Healthcare Organizations and Other Payers Focused on Value-based Care

Sites with Cardiac Prevention or Population Management Programs

Lung Cancer Screening Programs

THE VALUE

1 Improved early detection of patients at high risk for cardiovascular events directed to preventative cardiac care.

2 Risk-adjustment makes patients eligible for preventative treatment plans.

3 More actionable information obtained from chest CT scans already in medical records.

4 Lightening the overall burden on healthcare systems through targeted preventative care.

Technology And Installation

Non-contrast, non-cardiac-gated CT scans that fully include the heart are forwarded from the PACS and sent anonymously to the cloud-based Nanox.AI Analytics platform.

Nanox.AI's Cardiac Solution automatically analyzes them, quantifying the coronary calcium on each one, identifying and highlighting the cases where CAC was detected in the scan, except for those with known coronary artery disease (e.g. coronary artery stents).

Radiologists review the Nanox.AI results shown in the PACS at the workstation, then add them to their report.

Nanox.AI integrates seamlessly with any PACS system, and can be installed on the cloud or on-premises.

cleared and Marked



We invite you to request a demo →

www.nanox.vision/ai

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