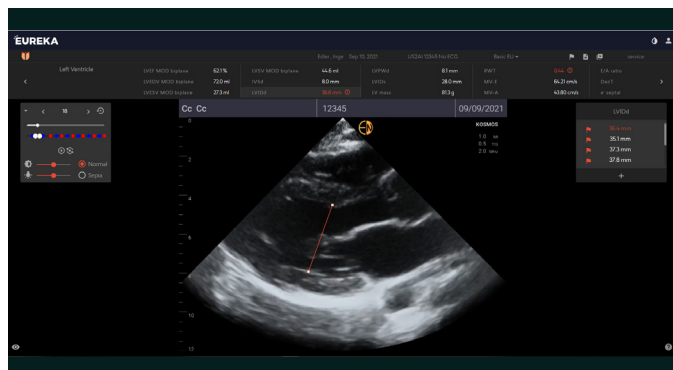# Cardio Suite
on the Eureka Clinical AI platform

Advanced AI for Comprehensive Cardiology Analysis

Cardio Suite is a collection of hand-selected, vendor-neutral Cardiology AI algorithms that aid in the analysis and interpretation of echocardiograms and chest CT exams to assess, monitor, and provide insights to help support clinicians in treatment decisions for cardiovascular disease patients. Cardio Suite aims to automate measurements of cardiac dimensions, left ventricular function, and segmentation. Possible applications to aid the physician:

- Pulmonary hypertension
- Heart failure
- Hypertrophic cardiomyopathy
- Cardiac amyloidosis

- Valvular disease
- Ischemic heart disease
- Atherosclerosis

Us2.v1
✓ FDA / CE Cleared

Us2.ai's solution automatically recognizes and analyzes 2D and doppler modality ECG images for automated cardiac measurements needed for the diagnosis, prediction, and prognosis of heart disease.

Save Time
Reduce the time to process and interpret echocardiograms from 30 minutes to less than 2 minutes, with zero clicks.
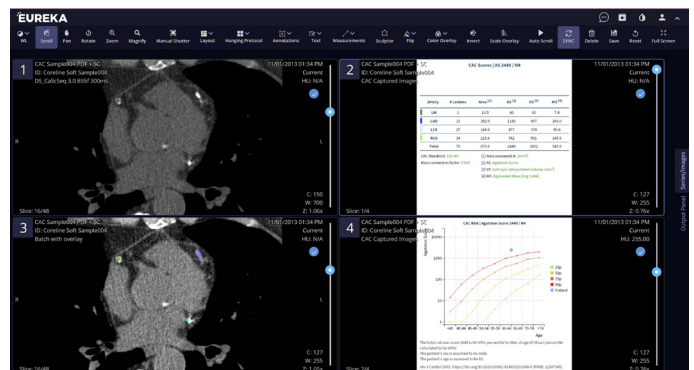
Increase Consistency
Eliminate variability with fast, accurate, and repeatable automated measurements, regardless of device or technologist.

Improve Workflow
End unnecessary workload and staff burnout by eliminating time consuming, manual echo analysis steps.

Ensure Clinical Confidence
Allow users to easily interact with annotations and outcomes to build trust in results.

AVIEW CAC
✓ FDA / CE Cleared

AVIEW CAC automatically segments the heart and surrounding structures in chest CT exams to accurately analyze calcified plaque in coronary arteries.

Save Time
Obtain fully-automated CAC scores from chest CT exams, with average processing times of 40 seconds (SDCT) and 2 minutes (LDCT).

Ensure Accuracy
Detect and quantify CAC with >99% accuracy for gated scans and 85-90% accuracy for non-gated scans (for screening purposes).

Lower Dose & Cost
Compute CAC scores and lesions on non-gated and low dose chest CT, without the need for a dedicated cardiac CT scan.

Easily Report Incidental Findings
Combine AVIEW CAC with AVIEW LCS to simultaneously report on incidental lung nodules detected without duplicating work.