

DICOM Implementation Sheet



System Setup and Configuration

Midmark Software configures with the CVIS server through the following parameters:

Hostname | IP Address | Application Entity Title | Port Number

How it works:

- Each time an ECG test is completed and the user saves the test to their EMR, a 12-lead ECG DICOM file will also be pushed to the CVIS server configured. The server will see it as an ECG DICOM instance for this patient.
- When users load an ECG for review, the Midmark software will query the EMR and CVIS server to retrieve all ECG reports from the same patient and merge them to create a holistic view of the patient's ECG history using the following criteria:
 - If the report from DICOM matches exactly to an existing ECG report (no change has been made), then the report from DICOM will be ignored since it is a duplicate report of the existing ECG report.
 - If the report from DICOM matches to an existing report (from the same acquisition) but has been edited by someone on the CVIS server (the last editing date/time from the DICOM report is newer than the existing report), then the DICOM report will replace the local report on the list. When users review this report, it will show the latest edited information from the CVIS server. The user will also be given the option to update the existing ECG with the newest edits from the CVIS ECG.
 - If the report from the CVIS server is from a different vendor (not acquired by a Midmark® Digital ECG), this report will still be added to the dropdown list in the Midmark software review window. However, it will have a DICOM icon and show it is an ECG from a different vendor. These DICOM reports are opened as read only in the Midmark software.

DICOM compatibility for the Midmark Digital ECG is compatible with all Midmark Software Environments*



1. Acquire ECG in EMR

The primary care team acquires an ECG within their existing EMR, saves the test and the results are automatically sent to the cardiologist's CVIS system.



2. Cardiologist Reviews + Updates

The cardiologist can edit or add comments within their preferred system. The updated report syncs back to the EMR in real time.



3. Patient Record Automatically Updates

The most up-to-date ECG is accessible by the care team and cardiologist at any time.



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To get your buying journey started, please complete an IT Checklist. Upon completion you will be directed to your local sales representative.

*Workflow availability is determined by your CVIS vendor.
Please visit the matrix for the latest supported workflows.*

** Requires ECG Plugin v. 10.2.1*