



MedStation 5.0 CE

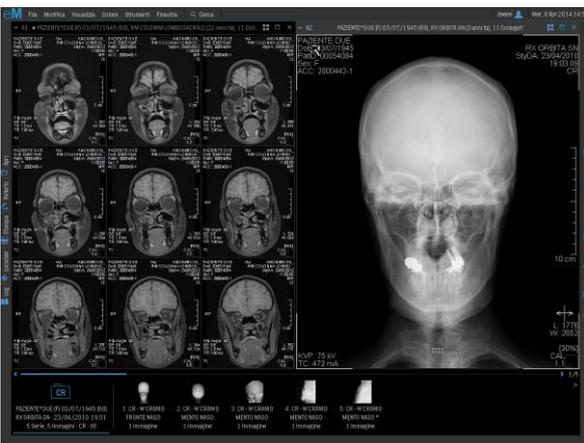
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MedStation is a certified Medical Device 93/42/CEE of class IIA

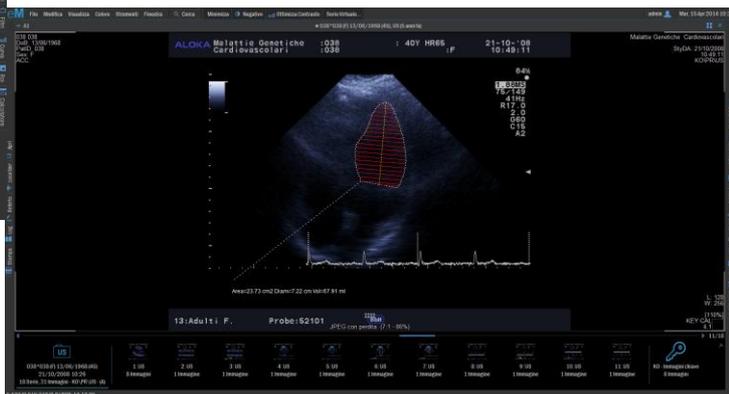
The workstation for diagnostic image reporting

The **MedStation** reporting software of Exprivia is a tool both for **radiological** and **specialist** use with multi-screen support and RIS integration, and for displaying and consulting the images from the **unit**.

MedStation offers a unique solution for all types of multimedia data: **diagnostic images, videos, and biometric tracks and signals.**

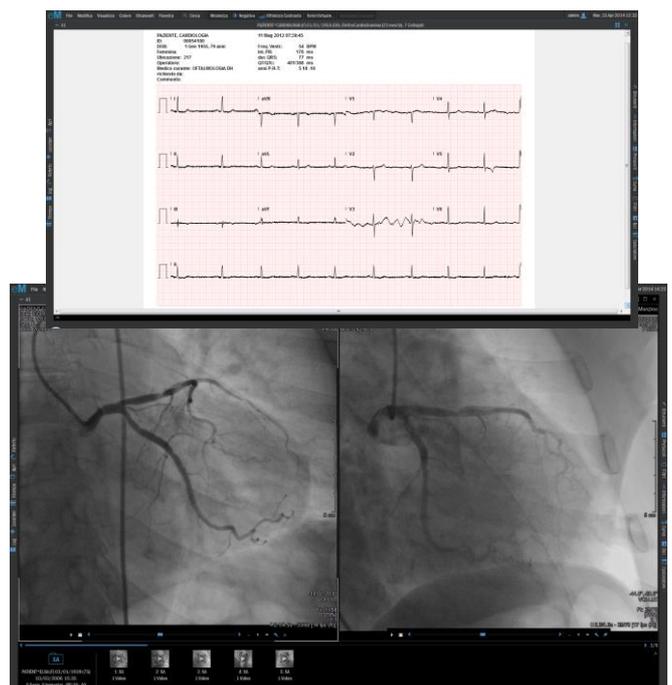


MedStation is a **Web Application**, namely a client that communicates with the **PACS eArchive** server via https protocol. **MedStation** has an integrated DICOM server that allows you to receive images and documents directly from the diagnostic stations and can be configured as a client of any other DICOM server.



MedStation boasts synchronised integration with a high degree of user friendliness with RIS systems and allows images to be exported onto a local disk or a CD. The wealth of functions, image presentation and processing, versatile configuration and integration, plus speed when retrieving images make **MedStation** the ideal choice as a reporting workstation.

MedStation directly accesses the web server integrated in the **eArchive** storage server and can be invoked by HIS systems by simply calling up an URL (HIS Integration). With **MedStation**, also display by the units makes use of all the functional characteristics of radiology reporting, including the hanging protocols, structured reporting, CINEloop functions, test and range comparison.

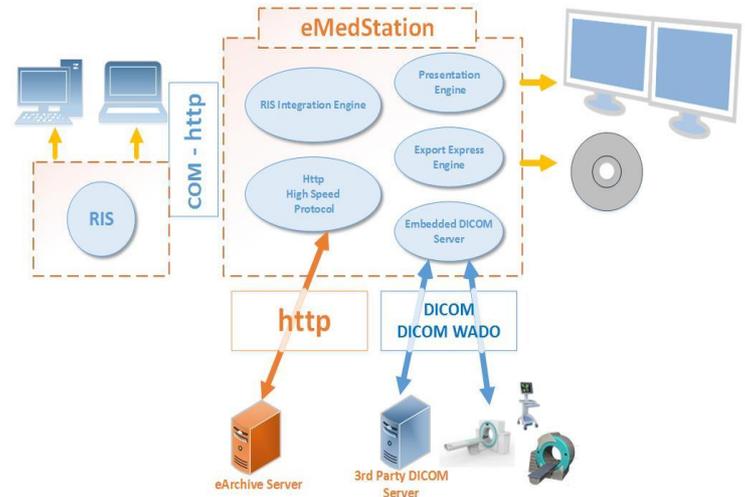




Main features

Management

- Exporting images in editorial formats (JPEG, BMP, TIFF, etc.).
- Exporting tests onto CD/DVD with on-board display and SDR report
- Integration with the most popular editorial and slide production systems
- Powerful print composition environment for printing images on film or paper
- Synchronised bi-directional integration with eRIS systems
- Transmission of tests from/to remote stations/servers (teleradiology) with configurable compression factors
- Global query: transparent access to multiple storage servers distributed in a LAN or WAN



Reporting

- Possibility to create the report in Structured DICOM Report format
- Support given to defining structures and compiling DSR reports with report environment synchronisation
- Semi-automatic generation of key images and measurements in DSR format
- Integration of vocal reporting tools of the MedVocal line

Presentation

- Customisable hanging protocols based on mode, anatomical part, test description, reporting doctor, etc.
- Changing the size of the user interface for adaptation to extremely high resolution screens
- Image display in streaming mode
- Display environment in "cine loop" mode with speed calibration



Imaging

- Windows Primitive/Level, WL preset, zoom, pan, rotation, mirroring, lens, measurements of corner distances, ellipses
- Definition of ROI and entries, interactive calibration, equalisation filters, application of non-linear curves, image enhancement algorithms, accurate display of grey tone values and histograms, etc.
- Series display: cine loop environment for time sequences, specialised display for spatial series, localizer display, 3D cursor, stackview for CT/MRI/PET studies
- 3D environment integrated with MPR/MIP and 3D reconstruction, segmentation and removal bone, 3D W/L with preset for predefined anatomical parts
- Complete measurement environment for echocardiographic reporting: M-mode, pressure gradients and volumetric calculation for the EF measurements, etc.

The e4cure MedStation 5 CC 0476 - eArchive 4.8 - eRIS 1.9 - eVisit 1.9 suite, and subsequent releases, is a certified Medical Device (93/42/CEE) of class IIA.