



MedStation

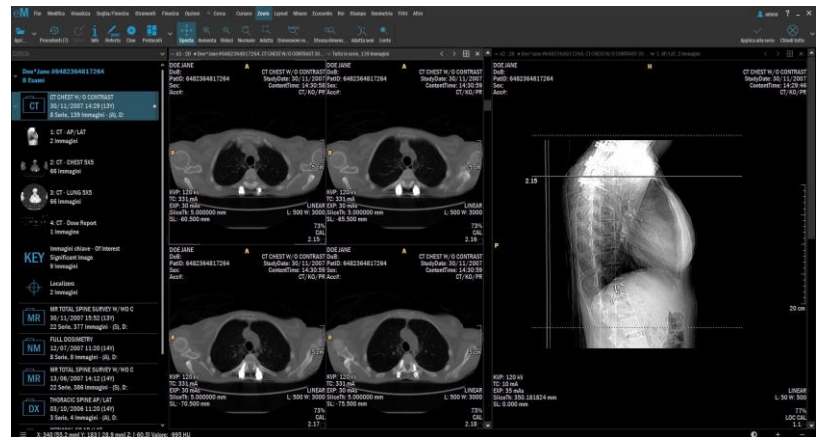
The workstation for diagnostic image reporting

Exprivia's **MedStation** reporting software is a tool intended for both radiological and specialist users, with multi-monitor support and integration with RIS, and for viewing and consulting ward images. **MedStation** offers a single solution for all types of multimedia data: **diagnostic images, videos, traces and biometric signals.**

MedStation is an application natively integrated with the PACS eArchive server with which it communicates via a secure web protocol. Alternatively, it has an integrated DICOM server that allows it to receive images and documents directly from the diagnostics and can be configured as a client of any other DICOM server.

MedStation features highly ergonomic synchronized integration with RIS systems and allows the export of images to local disk or CD. The richness of functions, of presentation and treatment of images, the versatility of configuration and integration, the speed of retrieval of images make **MedStation** the ideal choice as a reporting workstation.

MedStation can be integrated through various types of APIs (eg via URL, COM interface or command-line). Thanks to **MedStation**, visualization from the wards also benefits from all the functional features of radiological reporting, including hanging protocols, structured reporting, CINE functions, comparison of examinations and series.

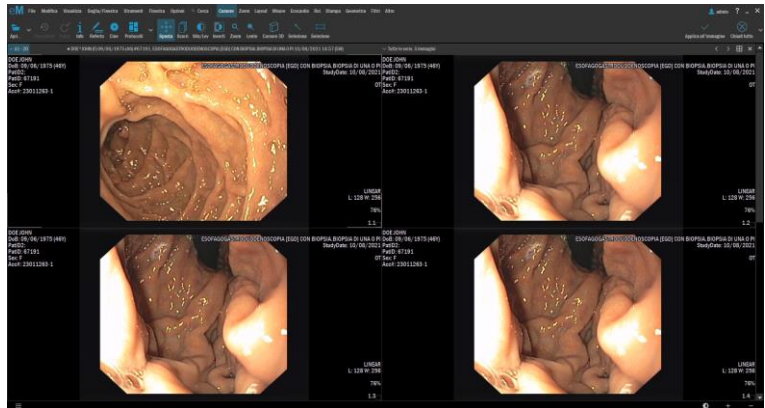




Main features

Management

- Export of images in editorial formats (JPEG, BMP, TIFF, etc.);
- Export of exams on CD / DVD with on-board viewer and DSR report;
- Bidirectional synchronized integration with Exprivia eRIS systems;
- Transmission of exams from / to remote stations / servers (teleradiology) with configurable compression factors;
- Transparent access to multiple storage servers distributed over a local or geographic network;
- Complete environment for printing images on film or paper.

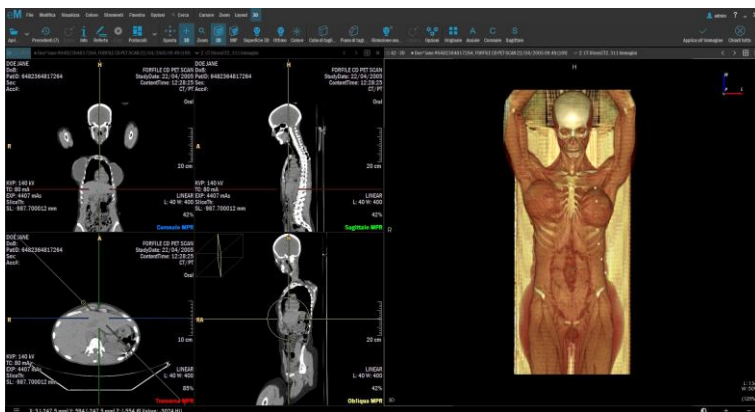


Reporting

- Possibility of creating the report in DICOM SR format;
- Support for the definition of structures for the compilation of DSR reports in eRIS reporting environments;
- Management of key images in DICOM Key Image Notes format and annotations in DICOM Presentation State format;
- Integration of voice reporting tools from the MedVocal line.

Presentation

- Customizable hanging protocol, based on modality, anatomical part, exam description, referring physician;
- Changing the size of the user interface to adapt to very high resolution monitors;
- Visualization of images in streaming mode;
- Visualization environment in "cine loop" mode with speed regulation.



Imaging

- Primitives of Win / Level, WL preset, zoom, pan, rotation, mirroring, lens, measures of angles, distances, ellipses;
- Definition of ROI and annotations, interactive calibration, equalization filters, application of non-linear curves, image enhancement algorithms, precise display of intensity values and histograms, etc.;
- Series view: cine loop environment for time sequences, specialized views for spatial series, localizer view, 3D cursor, stackview for CT, MR, PET studies;

- 3D environment integrated with MPR / MIP and 3D reconstruction, segmentation and bone removal, 3D W / L with presets for predefined anatomical parts;
- Complete measurement environment for echocardiographic reporting: M-mode, pressure gradients and volumetric calculation for FE measurements, etc.;
- Native integration with Terarecon iNtuition's advanced 3D and 4D diagnostic reporting tool.

The products: eArchive, eLifeCare, eRis/eVisit, eViewer, eWard, MedStation are CE⁰⁴⁷⁶ (93/42 / EEC) certified Medical Devices of class IIA.
The complete list of certified model versions can be obtained by contacting Exprivia.

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www.exprivia.it