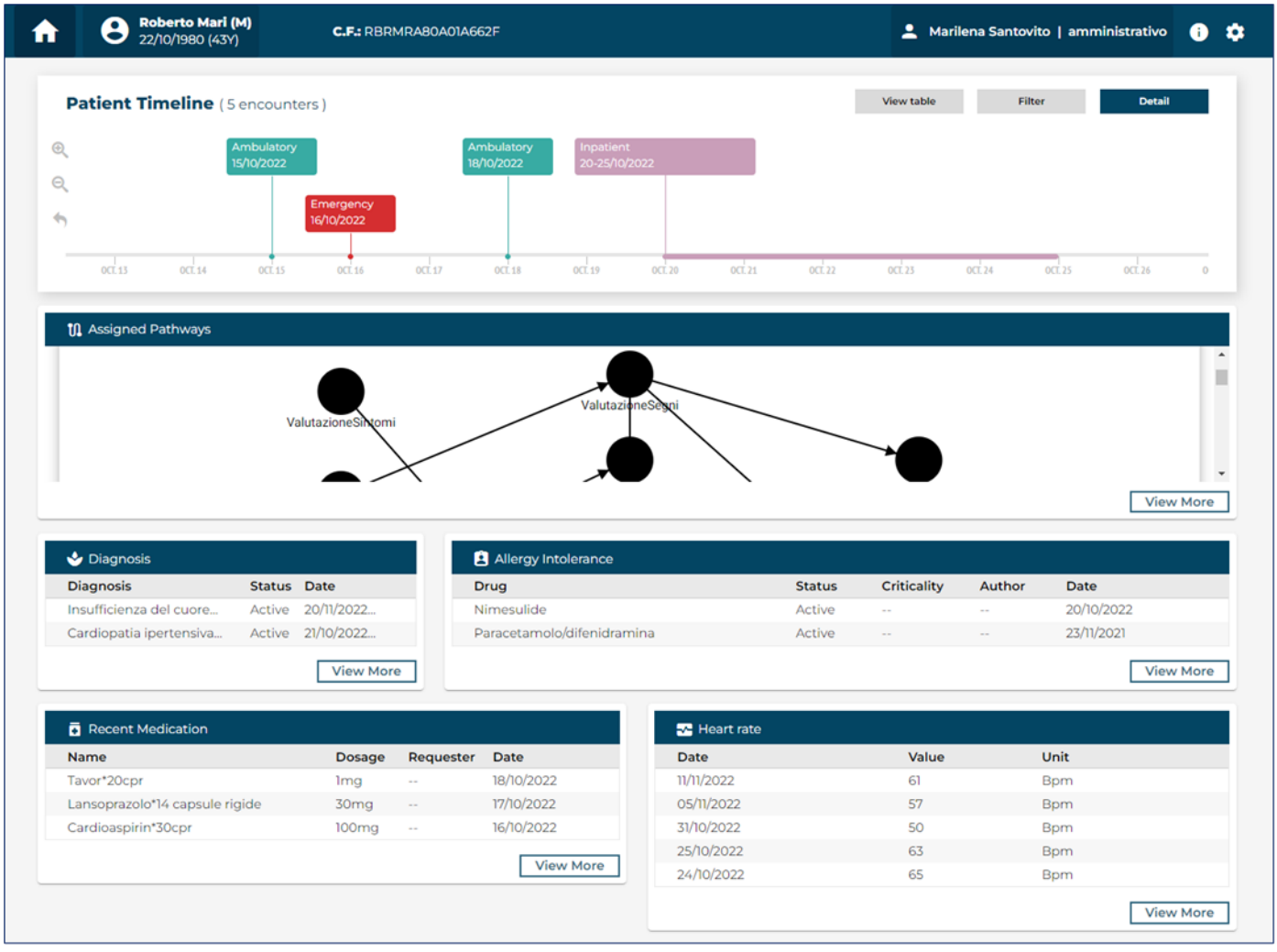
xViewer

Single and integrated patient history viewer

xViewer is an advanced clinical support tool created to satisfy the growing demand in the healthcare sector for a system capable of extracting relevant and targeted information from digital archives now rich in structured information. In the current scenario, where information is abundant and heterogeneous, xViewer is a tool that helps the user to selectively access relevant content, without losing important information or wasting energy with out-of-context content.

xViewer is a single integrated cross domain viewer, distributed as a modular component that can be activated in context from other environments (RIS, Emergency Room, Medical Record, …). It is responsive, i.e. it can also be used from a tablet or smartphone. It allows a **patient-focused view** of a large amount of data, presenting them through specific dashboards by area or clinical interest, through customizable widgets, which allow you to compose organized perspectives of data, with graphical representation over time according to the area of interest of each user or group.

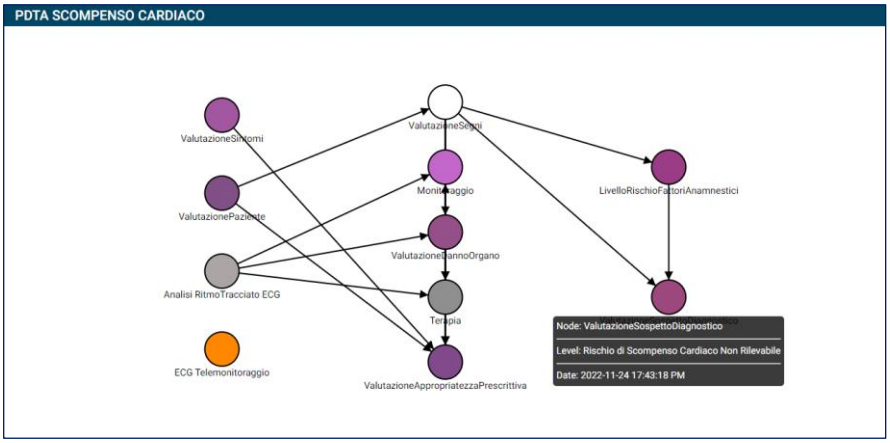


xViewer displays data from different and heterogeneous sources, integrates perfectly with document, image and data repositories according to recognized international standards in the healthcare sector (XDS, HL7 FHIR, etc.). **xViewer** is designed for the recovery of health data according to the FHIR standard, which guarantees the technical, syntactic, semantic, process validation and privacy rules of clinical data and documents. **xViewer** is the tool for accessing integrated Healthcare File and Dossier data.

Characteristics

The system is characterized by:

- Timeline graphical representation of the chronology of events and accesses, i.e. of all the patient's contacts with the healthcare world, whether they are punctual such as visits to pharmacies, clinics or consulting rooms or lasting such as operations, day hospitals or hospitalizations.
- Traditional consultation of all the patient's clinical information (clinical data and documents, reports, diagnostic images, parameters, laboratory tests) thanks to the integration with image viewers for diagnostic purposes (**eViewer**).
- Access to clinical decision support systems (CDSS) and management and visualization of pathway models for personalized medicine (**Sibylla**).
- Access to Telemedicine data: similarly to what happens for each type of data that feeds the FHIR server, xViewer is also able to view data from the Telemedicine service.
- Modular approach both through the isolated and integrable availability of parts of the xViewer (e.g. the visualization components of pathways or documents), and through the integration of external tools (e.g. the image viewer for diagnostic purposes or the electronic prescription system).
- Privacy: compliance with privacy rules is guaranteed by the Security&Privacy policies established by the FHIR standard.



Main features

- Display of key patient information (personal data, social welfare, etc.).
- Representation of the history of events and positioning.
- Content research and analysis.
- Access to the patient history as a whole:
    - Access to diagnostic imaging information;
    - Access to clinical information;
    - Access to documents;
    - Access to specific resources;
- Unification of consultation tools.
- Comparison of trends and evidences with personal historical series and statistics.
- Representation of the links between values, documents and contents in general.
- Content representation by reference aggregations (pathway, episode, diagnosis, department/service, etc.).
- Representation of deductions and decision supports.
- Integration with contextual operational tools (prescription, internal requests, etc.).