



eWard Cardio-CCh

The medical record that supports Cardiology and Cardiac Surgery

eWard for the patient's clinical data management

eWard is the electronic medical record that supports medical and nursing personnel in the management of hospitalized patient during their care pathway.

eWard derives from the need to provide a tool for **organic and structured management of the patient's hospitalization data**, ensuring the support of clinical and healthcare processes and, at the same time, optimizing patient care through sharing and recovery of clinical data.

The solution provides all the tools to ensure the **management of the entire patient's diagnostic, therapeutic and care pathway** in the ward, which normally includes information about clinical assessment (medical history) and nursing (survey of nursing needs), physical examination, integrated clinical diary (medical and nursing), requests management of outpatient services and of diagnostic and specialized tests, (e.g. laboratory, pathology, radiology, etc.), drug prescriptions and biometric measurements, management of nursing activities and management of the discharge letter and of the various clinical / administrative documents related to hospitalization.

The medical record of Cardiac Surgery

eWard has been designed with the aim to provide a **unique platform** to healthcare facilities, able to meet the requirements that are common to all hospital wards and **able to configure and specialize according to the specific needs of single departments**.

eWard Cardio-CCh, realized in collaboration with Gruppo Villa Maria, is one of the specializations capable of handling departments and operational units involved in the path of the **"Heart Cycle"**, covering the entire spectrum of diagnostic and therapeutic activities, such as the compilation of physical examination and medical history, drugs prescription, delivery of care, parameters detection, preparation of the entire clinical documentation including the discharge letter.

The solution has all the tools to ensure the management of the entire diagnostic and therapeutic-care process of patients subjected to interventions in Cardiac Surgery including the collection of all the information necessary to perform statistical studies and surveys on the cases treated, and in particular on the actions taken.

The solution includes a series of modules with strong "business" characterization (definition of therapeutic plan, management of administrations and surveys, medical and nursing diary, etc.), and a set of customizable modules for the management of specialized medical history, of all the operating data with related report, of Euroscore calculation, of CEC management, etc..



The screenshot displays the eWard software interface. On the left, there is a grid showing a list of patients with columns for room numbers and names. The main area shows a detailed view of a patient's medical history, including a list of medications and their dosages. A 'NUOVA PRESCRIZIONE FARMACOLOGICA' (New Pharmacological Prescription) window is open, showing a prescription for 'ALGIMESIL*OS GRAT 30BUST 100MG' with a dosage of 1 mg. The interface includes various tabs and buttons for navigation and action.

The eWard workspace provides clinical operators with an environment for the management of their work and allow them to scroll through the list of hospitalized patients. The workspace is realized in a patient-centric mode and provides the caregiver an environment for managing the delivery of care to the individual patient.

eWard Cardio-CCh: single tool for Cardiac Surgery patients

In addition to all the features already present in the standard version of eWard, the **Cardio-CCh** version stands out for some features typical of this specialization:

- Continuity of care and sharing information between the operational units involved (Hemodynamics, Cardiology, Operating Theatre, Intensive Care, Rehabilitation).
- **Specialized medical history** compilation for Cardiac Surgery patients in addition to the general medical history.
- Inserting **data regarding the intervention** with details on the type of surgical access, hybrid procedure, intraoperative complications, related surgery report.
- Gathering of summary data on pre- and intraoperative **anesthesia** and **intensive care**.
- Management of data related to **Extracorporeal Circulation CEC** for the benefit of the Perfusionists with details on patient data, scheduling, materials, checklists, CEC behavior, etc..
- Calculation of **Euroscore I** and **II** and **Logistics** for calculating the operative risk.
- Extraction and feeding of the main regional and national **registers of Cardiac Surgery**.
- Extracting data for scientific studies.

Ergonomy and ease of use

eWard Cardio-CCh guarantees a use in all scenarios related to "Heart Cycle", while moving or at the bedside, with the benefit of mobile devices such as **tablet PCs**, or in the doctor's office in Hemodynamics as in the ICU or Operating Room, with ability to share reports of analytical laboratory or instrumental diagnostics.

For the activities of compilation of patient's data (general and specialized medical history, physical examination, investigations and nursing care), and of planning of therapies and filling out diaries, **eWard Cardio-CCh** can be used from a **fixed workstation**, that allows you to navigate easily in the pharmaceutical handbook and access to patients clinical documentation.

For activities of dosing and detection of vital signs, **eWard Cardio-CCh** supports operators through **mobile workstations**, which are best suited to the nature of nursing, typically delivered on site or at the bedside.

The software eWard - eFolder CE is a certified Medical Device (93/42/CEE) of class I. The complete list of versions of the certified models is available by contacting Exprivia.