



Operating Rooms Management (OR)

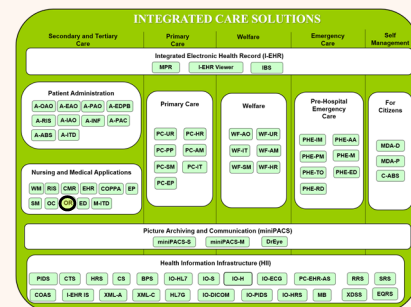
Overview

The **Operating Rooms Management** application supports the facility, within a healthcare organization, where surgical operations are carried out by medical and nursing professionals. More specifically, it supports recording of the minutes of a surgery, recording of the post-operative instructions, as well as electronic ordering of medicines and medical supplies at the pharmacy and materials management department.

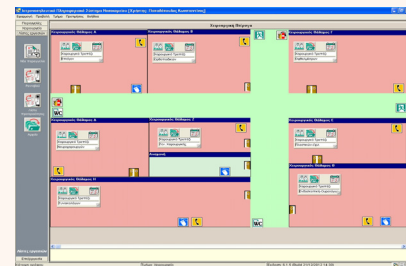
The **Operating Rooms Management** application belongs to the nursing and medical applications family (ICS-M) of FORTH-ICS' Integrated Care Solutions suite. It is based upon an open, scalable and evolvable architecture that integrates distributed information and knowledge in a flexible manner, focusing on the timely and effective delivery of the appropriate information to all authorized users. Being the outcome of applied research, it encompasses both state of the art trends and real-world requirements for effective use.

The main characteristics of the **Operating Rooms Management** application are:

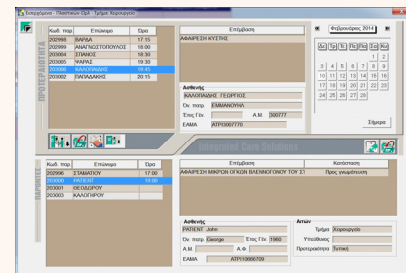
- It is fully configurable and adaptable to any hospital's workflows using intuitive user-friendly interfaces.
- It is a subsystem of an integrated solution. It can be installed either as stand-alone system or in combination with other ICS or 3rd party applications.
- It supports automation of business processes both within and between healthcare facilities.
- It can electronically interface with eGovernment services, 3rd party applications and open devices. All interfaces are based on standards such as HL7, FHIR, DICOM, XML, and web services.
- It is customizable and scalable according to the needs of each institution.
- It supports role based access control.



OR is Part of the Integrated Care Solutions (ICS) Software Suite Covering the Areas of Primary Care, Secondary and Tertiary Care, Emergency Care, Welfare and Citizen self-management



Operating Tables Plan



Surgery Planning Schedule

Target Domains

The application is suitable for surgery clinics and operating rooms in healthcare facilities.

Description

Main Functionalities

The supported functionalities of the **Operating Rooms Management** application include: access to the time plan of each operating room, electronic ordering of medicines, medical supplies, and examinations, recording of medicines and materials administered to patient for the surgical operation, recording of the surgery minutes and of the post-operative instructions.

The application communicates with information systems for:

- Pharmacy and Materials Management for ordering of drugs / medical supplies.
- RIS/ LIS for ordering / order cancellation of examinations and viewing results.
- Business Intelligence / MIS for the electronic transmission of data for statistical analyses.
- ePrescription and other eGovernment services.

State-of-the-art Technology

The **Operating Rooms Management** is a robust and reliable application that delivers state-of-the-art performance using 64-bit architecture and web technologies. It is compatible with major database management systems and with the latest versions of all popular web browsers.



FORTH-ICS products and services have been certified according to the requirements set by ISO 9001:2008 and ISO 27001:2013



EuroREC EHR Quality Seal Level 2

Additional Information

The ICS suite follows high quality international trends regarding both the structure of the Electronic Health Record (EHR), as well as integration with third party systems through the use of internationally acclaimed communication standards and protocols (like HL7, DICOM, etc.). The Nursing and Medical Applications (ICS-M) family of ICS is certified with the Seal of Quality Electronic Health Record (EHR) Level 2 by the European Institute for Health Records EuroRec. The testing took place in 2011 and proved compliance with all 50 Seal-2 criteria. Other products of the nursing and medical applications family (ICS-M) of ICS include applications for Ward Management (WM), Supply Management (SM), Outpatient Clinic (OC), Emergency Department (ED), Radiology Information System (RIS), Computerized Medical Record (CMR), Electronic Health Record for medical specialties: e.g. Pathology, Cardiology, Pediatrics, Orthopedics, Intensive Care Unit (EHR), Collaboration Platform for Pathology (COPPA), Electronic Prescription (EP) and Hospital IT Department (M-ITD).



CeHA web site

Contact details: **Dimitrios G. Katehakis**
katehaki@ics.forth.gr