

Cyto*

Supporting the Chemotherapy Process

Chemotherapies are very powerful treatments

but the nature of the substances administered requires a very high attention level at every stage – from the prescription to the administration, including the preparation of products to administer. Quality of patient care, safety (during fabrication and administration) as well as global traceability is essential when working with such therapies.

Cyto* is a complete set of modules

offering an optimal support at every stage of the chain : prescription support (through the use of protocols), transmission of the orders to the pharmacy, support for the fabrication of the medications, workflow management and at-the-bed real time controls before, during and after the administration are key functionalities of the Cyto* environment. Global traceability is of course part of the whole chain.



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Cyto* modules implement the following tasks :

- Protocol-based prescription application ;
- Order management at the pharmacy ;
- Automatic generation of recipes for the fabrication of each specific medications ;
- Label printing, including RFID-based labels ;
- Traceability of the process inside the pharmacy ;
- On-line real-time controls at the bed ;
- Statistics and accounting reports.

Architecture

Cyto* are Java applications running on a WebObjects application server. Currently supported databases are Oracle and Microsoft SQL-Server.

The at-the-bed control application is running on WiFi-enabled Windows CE 5 PDAs.

Integration

Cyto* modules can be easily integrated into an existing infrastructure (patient management, access rights management, electronic patient record).

Prerequisites

- Unix / Windows or Apple (MacOSX) server
- WebObjects application server (JAVA 1.4)
- ORACLE or SQL-Server database
- Microsoft Windows CE 5 based PDA (administration control)

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