

Smart Com - Success story

Lecco-Merate: a new technology for the integration and management of Point of Care

In the Hospital Trust of Lecco, Smart Com collects the acceptances from the several points located on the territory and directs the analysis requests to the analytic instrumentation of the Points of Care and the Analysis Laboratories.

Test results are sent to the demandant software systems without further interventions by the operator.

Since the Hospital Trust of Lecco acquired the Hospital of Merate, it needed to manage, with a unique middleware platform, LIS and the instruments of both laboratories, in order to achieve scale economies and workload optimization.



Freedom

The main advantage consists in the ability of managing the data validation of corresponding departments (ex. Haematology) by a unique person in charge that can have the overview of the activity done.

The integrated management of POCs (Points of Care) through Smart Com allows to store in the laboratory management system the part of the analytical activity that, otherwise, could defy, both in terms of statistical and economic account rendering and informative contents (tests results). Smart Com automatically joins the Laboratory System Database instead.

Consistency

The ability of Smart Com to consolidate information proceeding from different sites, enables to introduce the information easily into the data structures of the Hospital Trust and, more generally, of the Regional Health Service, whose the hospital is part.

Performance

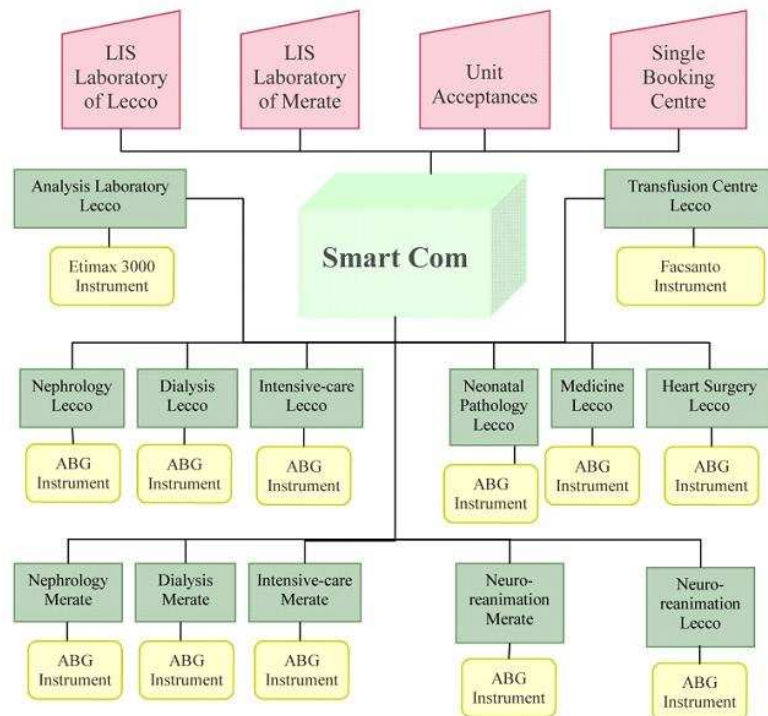
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The main functional advantages are flexibility in the instrumentation management and communication stability with the equipment. Operationally, the control Web interface allows single operators to verify the state of more than one equipment, just as the analytical superintendents to have a complete control of the process without often going to the departments on their's own responsibility.

Architecture

Smart Com offers the health service trust of Lecco a territorial solution in constant evolution, that now involves –in the medical facilities of Lecco and Merate– clinical analysis laboratories, several units and two outside sample centres.

With the introduction of Smart Com, the newest and biggest structure of Lecco and Merate has now complete visibility and management of the whole instruments from any qualified station, besides the opportunity to have results validated by qualified personnel of both the structures



The acceptances are executed by the laboratory LIS, by the acceptance softwares of the units and by the Italian “CUP” (Single Booking Centre) of the Health Service Trust and then passed to the Web Services of Smart Com.

The instruments situated in the Points of Care and in the laboratory receive the planning by Smart Com and then execute the tests.

The results are returned to the demandant softwares through the web services of Smart Com.