

"ANTIBIOTICS MONITORING: THE EXPERIENCE OF LIGURIA REGION, ITALY"

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BACKGROUND:

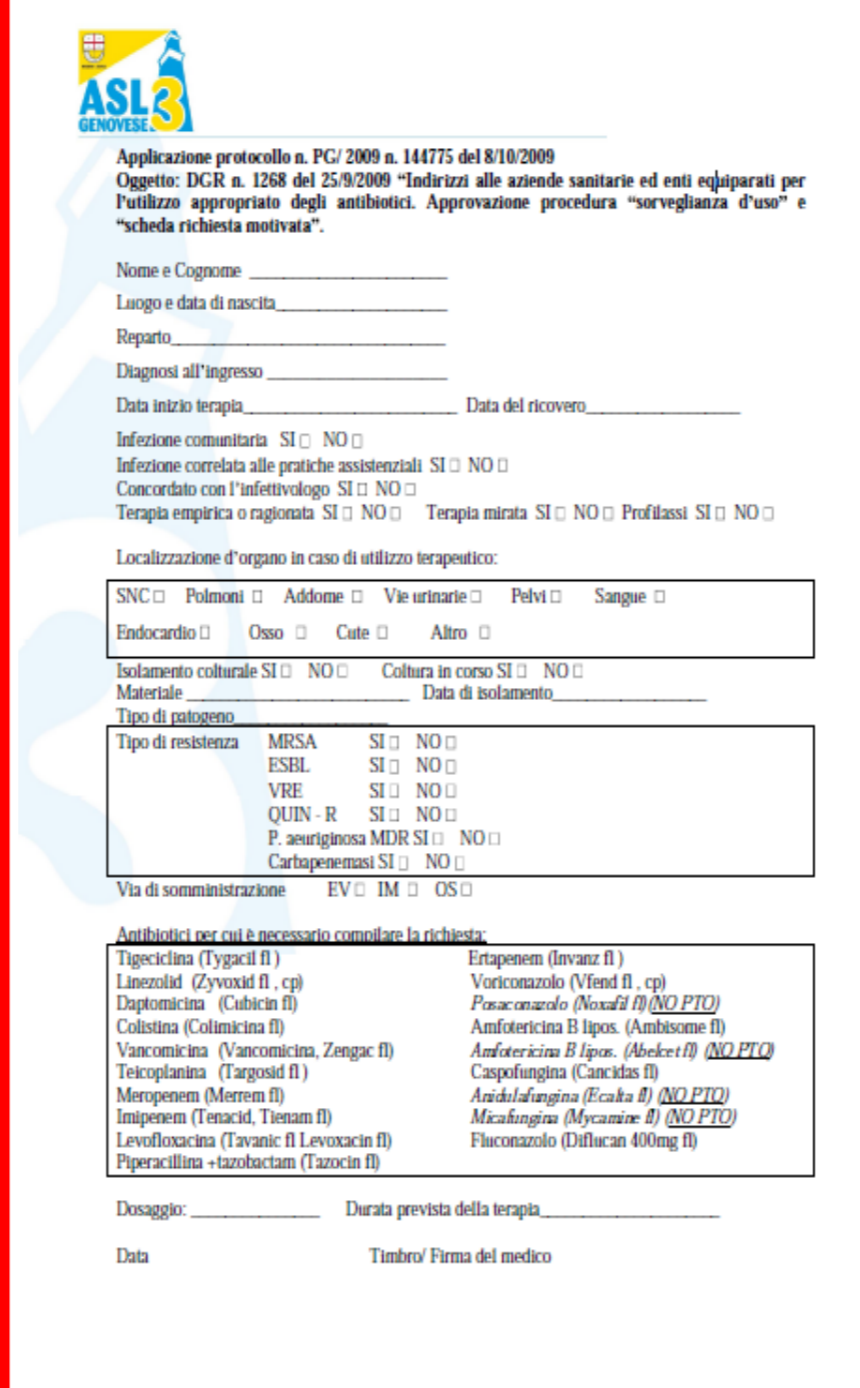
Regione Liguria Health Department has introduced in the hospitals the "reasoned request" to supervise the use of the most critical antibiotics.

PURPOSE:

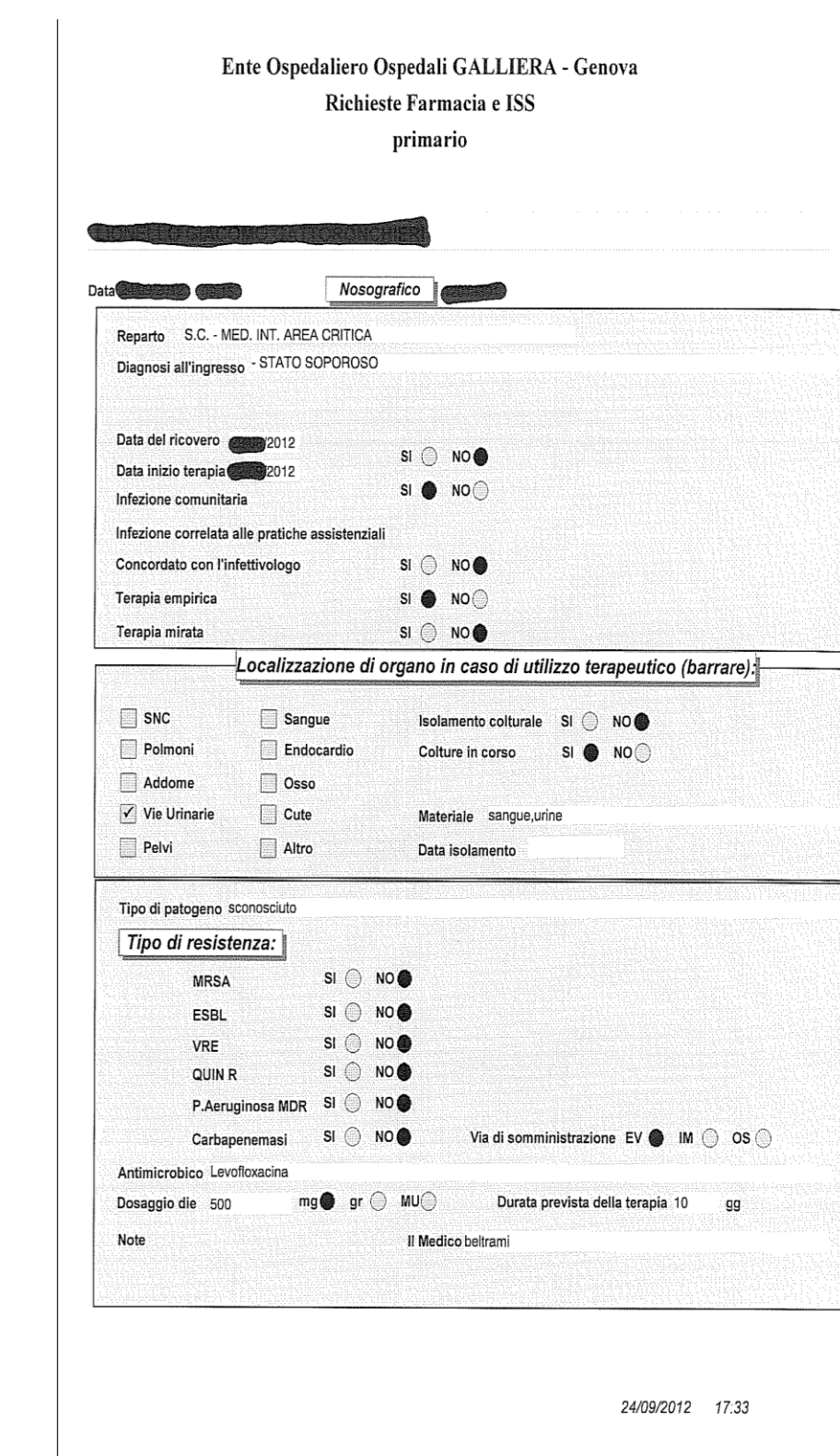
The aim is to restrict the phenomenon of resistance to antibiotics and reduce the rising consumption of these drugs, in order to guarantee a correct prescription.

MATERIALS AND METHODS : The clinician fills the "reasoned request" with the patient's clinical data (personal informations, diagnosis, antibiotics...)

The pharmacist will decide if the drug will be dispensed after having checked the request, according to specific guidelines and clinical parameters



ASL3 VILLA SCASSI

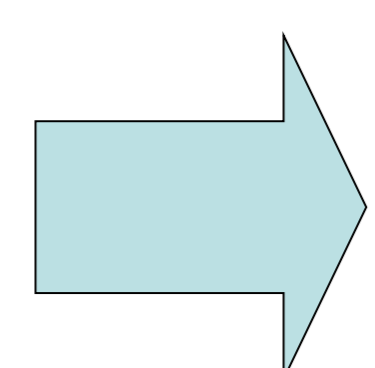


E.O. GALLIERA

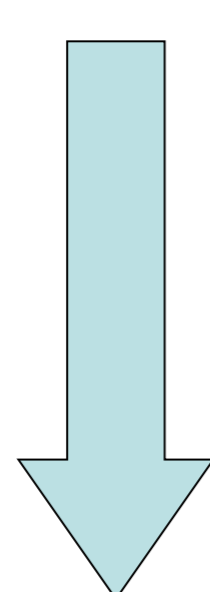
RESULTS

Villa Scassi Hospital:
Administration of oral vancomycin in Clostridium difficile infection

Medic staff send the request to the Hospital Pharmacy

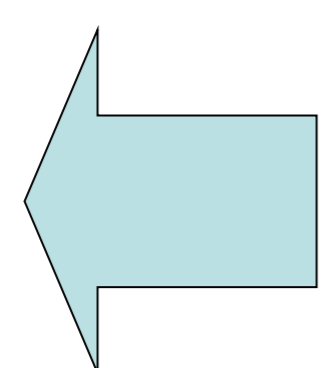


Control of the request by the Pharmacist



The control prevented an overdose of Vancomycin.

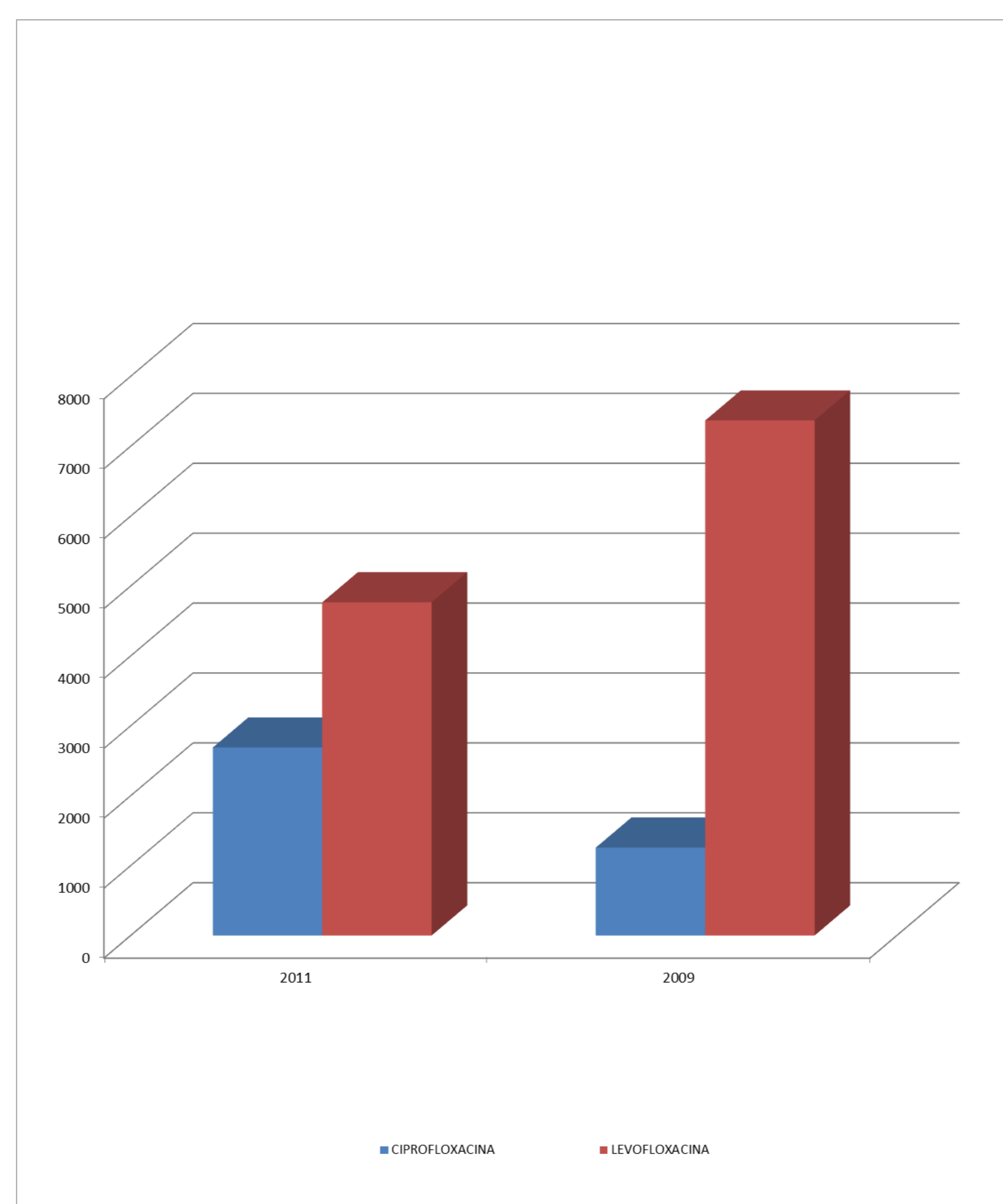
The Pharmacist communicate with Medic staff and recommend to use the appropriate dosage



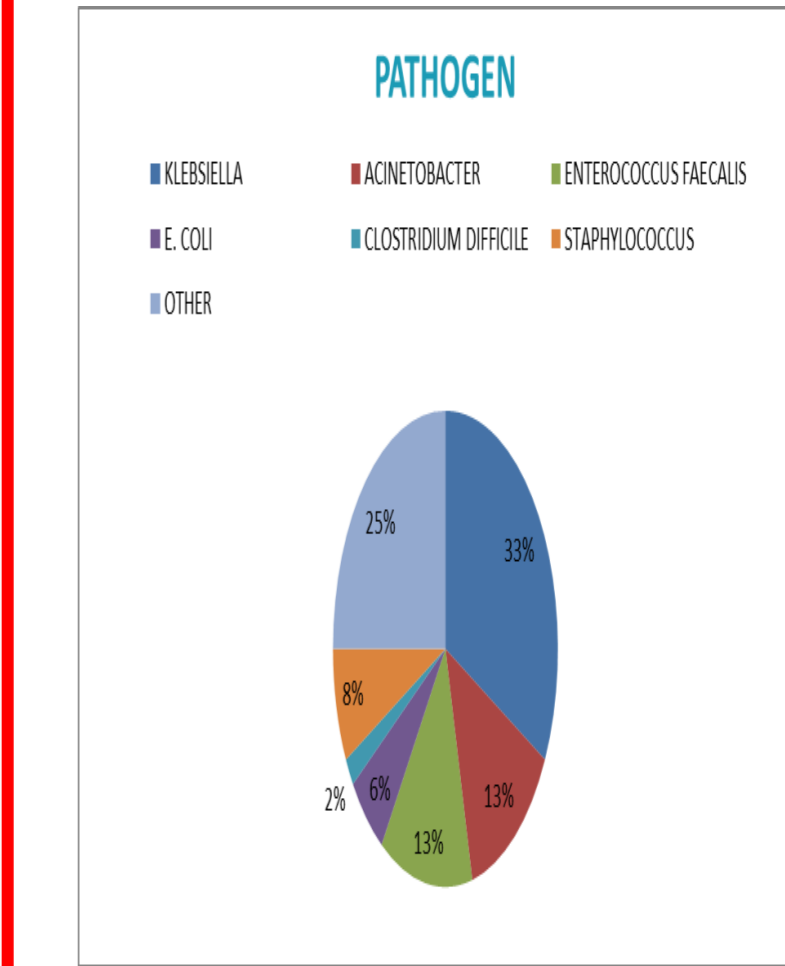
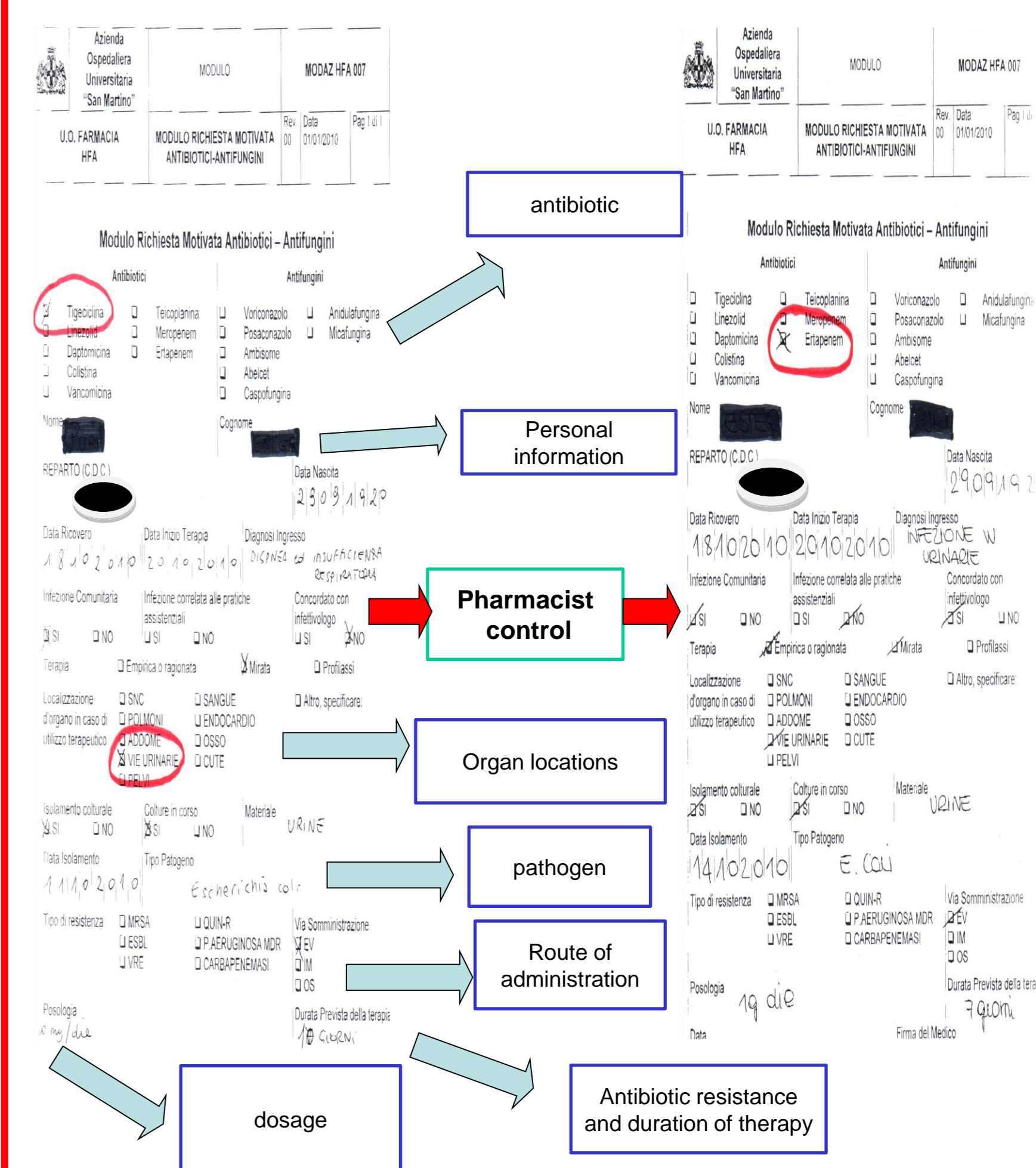
Administration of oral vancomycin in Clostridium difficile infection was 500 mg*4/die orally instead of 125 mg*4/die orally stated in the international guidelines.

E.O. GALLIERA: Comparison between antibiotics with "reasoned request form" and without it

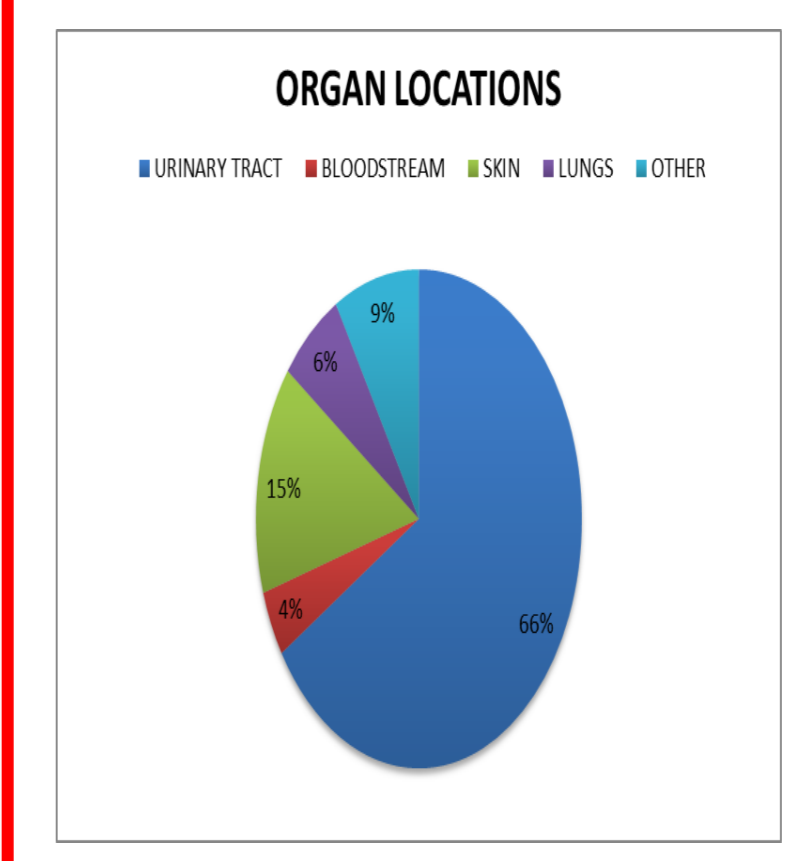
The use of fluorochinolons decreased after the introduction of the "reasoned request form". Instead the management of the most critical antibiotics like meropenem, imipenem, ertapenem, linezolid, tygeciclin has not changed and this is demonstrated by the appropriate use of these molecules.



IRCCS AOU SAN MARTINO - IST



Tigecycline reasoned request: 70 patients from 01/01/2012 to 31/05/2012



Ertapenem reasoned request: 48 patients from 01/01/2012 to 31/05/2012

"Reasoned request" allows to control therapies, to find errors and to affirm an appropriate use of antibiotics. This method improved the prescriptions and the use of the most critical antibiotics. It also allowed a collaboration between pharmacists and clinicians.