



UNIVERSITÀ DI PAVIA

Corso di Dottorato in Tecnologie per la Salute,
Bioingegneria e Bioinformatica

SEMINAR

Results of the Scientific Research Project: Inappropriate prescribing in elderly and its impact on clinically relevant outcomes.

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24. June 2019 (Monday) 11:30

Blue Seminar Room, E Floor

The main topic of the project was the application of data analytics techniques to extract patterns of care related to non-compliances using the STOPP/START criteria. The STOPP/START criteria are commonly used, validated guidelines which are used to detect inappropriate prescribing in elderly.

In previous research, the foundation for an automatic method to identify the inappropriate prescriptions related to the STOPP criteria has been developed and applied on ICSM data. It is desired to identify all the inappropriate prescriptions (including prescription omissions) in a reproducible way and automatically detect drug inappropriateness. This knowledge can be used to improve the clinical outcome and patient management at ICSM.

The first aim of this research is to improve and apply the previous developed method from earlier research on an updated clinical data set. The second aim is to implement a method that is based on the 22 START criteria, to automatically identify important omissions in drug administration in elderly patients. The last aim is to analyse if violation of these criteria are related to adverse outcomes. The research questions that will be discussed are formulated as follows:

- What is the frequency of PIMs and PPOs in ICSM Pavia?
- Does violating the STOPP/START criteria have an impact on the occurrence of adverse outcomes?

Organizer
Prof. Riccardo Bellazzi