

COMPUTERISATION OF THE STERILE AND NON-STERILE MAGISTRAL FORMULATIONS' PRODUCTION AND AUTOMATION OF RAW MATERIAL STOCKS



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WHAT WAS DONE?

Computerized parameterization of all magistral formulations (MF) elaborated in a general hospital.



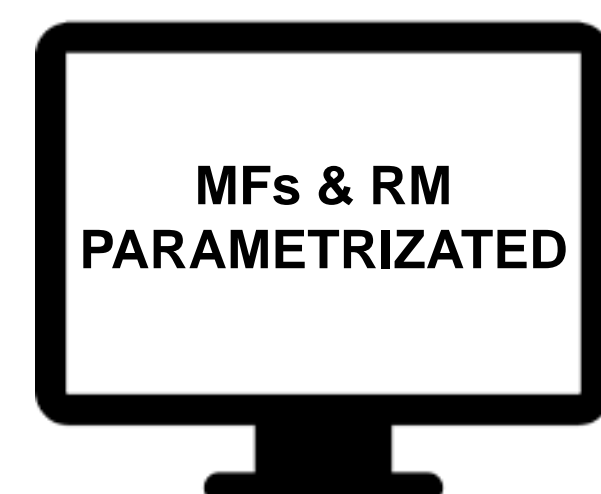
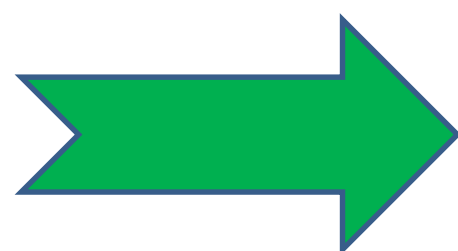
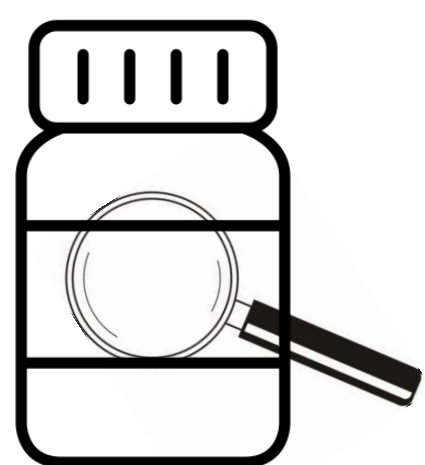
WHY WAS IT DONE?

The reasons were: the lack of control of the stock of active substance, excipients and elaborated MF, traceability shortage in the dispensing of preparations and poor control of the quality indicators due to an outdated method. The aim is to achieve an adequate management of the raw materials (RM) consumption and stock monitoring of MF



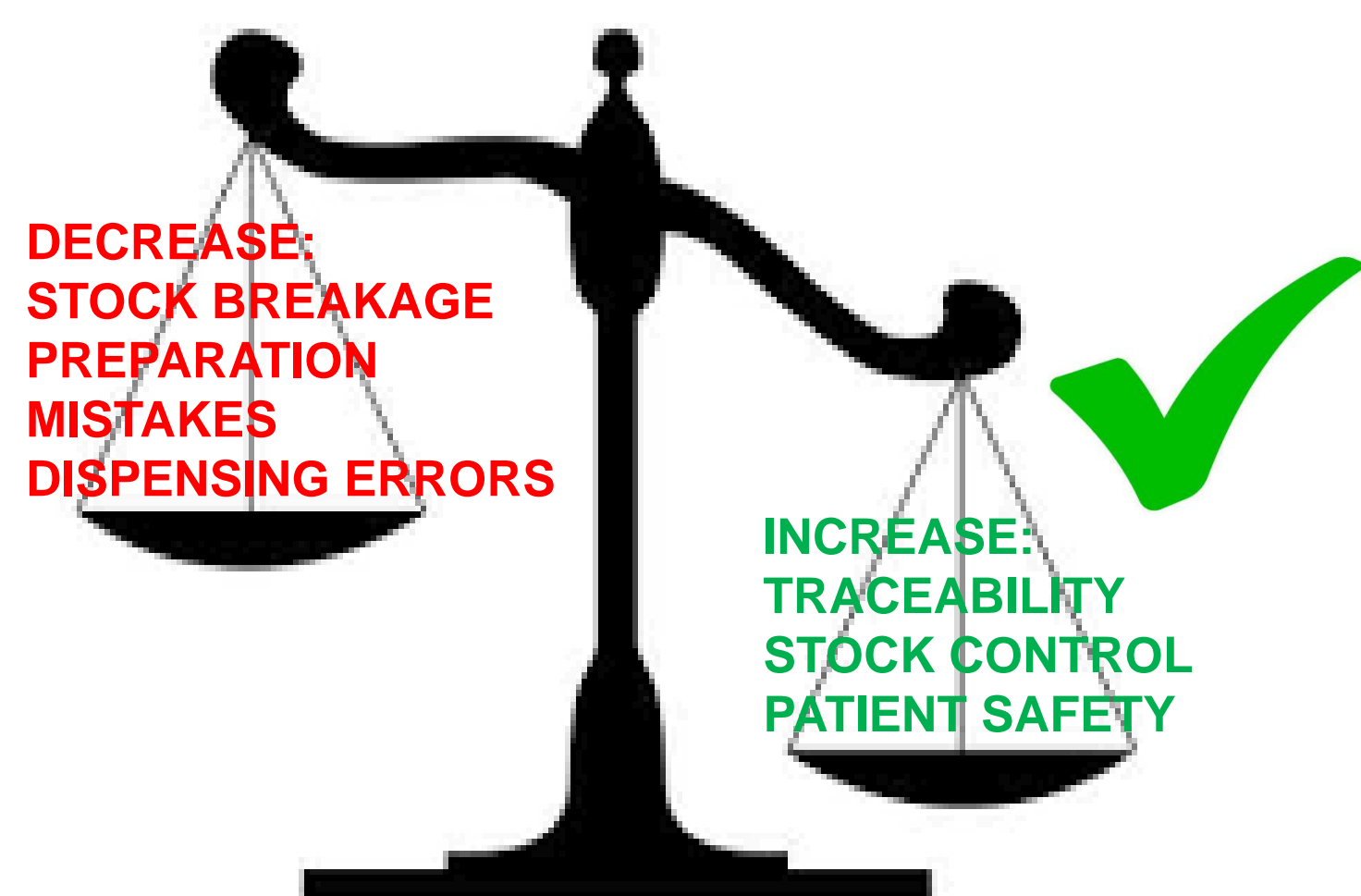
HOW WAS IT DONE?

- We used the article master, mixtures and economic management modules belonging to Farmatools® software
- The name and composition of active substance and excipients of each MF was established in the applications.
- The toughest tasks were the computer parameterization in the applications of all the sterile and non-sterile MF and the configuration of the RM's characteristics.



WHAT HAS BEEN ACHIEVED?

- Nine months after the implementation of the GPI:
- 54 MFs and 48 RM have been computerized.
- There has been a considerable time saving in stock control, reducing stock breakage and overstocking.
- Improved management of RM and MFs expiration dates. Communication between the different sectors involved has been systematized and streamlined, which are the galenical pharmacy, outpatients and drug dispensing areas.



WHAT NEXT?

- Incorporating MFs into electronic prescription would contribute to a simplification of the prescribing, validation, elaboration and dispensing circuit.
- It would also further increase MF traceability and ensuring patient safety. It is intended to reduce medication errors and increase safety.

REFERENCES AND/OR ACKNOWLEDGEMENTS



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