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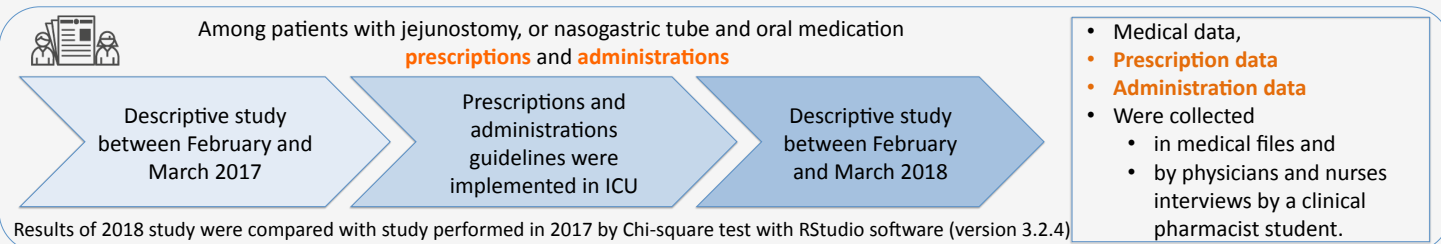
Background

In intensive care unit (ICU), patients are frequently unable to take oral tablet and capsule due to invasive ventilation or sedation. Therefore medications are administered by nasogastric tube or jejunostomy. We conducted a study in 2017 to describe prescriptions and administrations of oral medications through nasogastric tube or jejunostomy. From this study, local prescriptions and administrations guidelines were implemented in ICU by clinical pharmacy team.

Objectives

To assess the impact of guidelines on **1** prescriptions and **2** administrations quality of oral medications through nasogastric tube or jejunostomy

Material and Methods



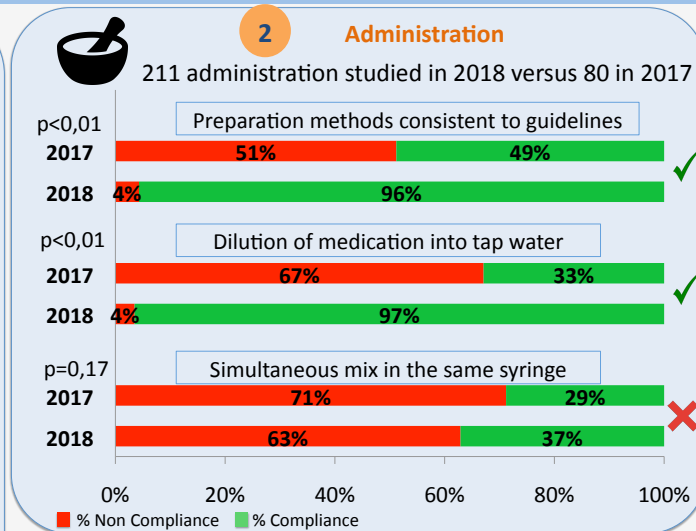
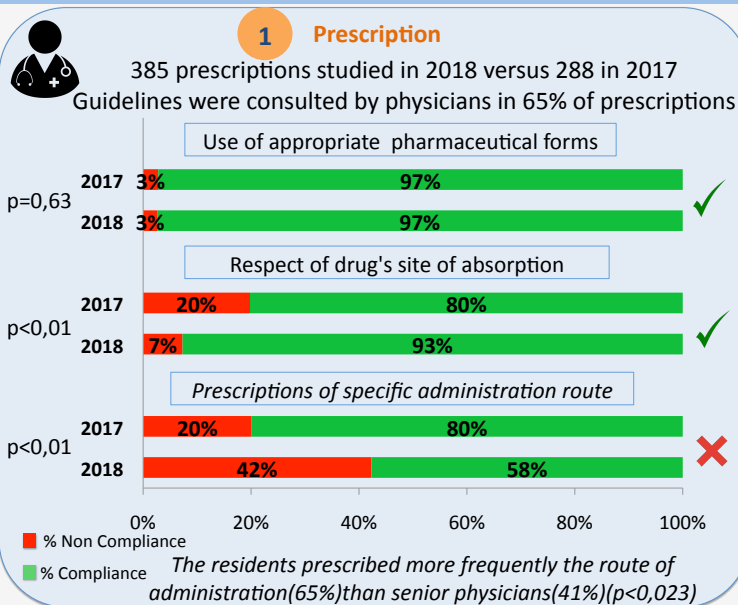
Quality of drugs prescriptions were assessed regarding

- adequacy of medication's site of absorption with administration route
- adequacy of pharmaceutical form with administration route
- prescription of specific administration route (jejunostomy, nasogastric tube ...)

Quality of drugs administrations were assessed regarding

- respect of local guidelines in preparation method
- solvent used
- lack of simultaneously mix in the same syringe

Results



Four out of six prescription and administration quality criteria were improved

Discussion/Conclusion

The guidelines' implementation in ICU for patients with oral medications through jejunostomy or nasogastric tube improved quality of prescriptions and administrations. However, improvements are still possible involving clinical pharmacy student to support guidelines.

