

# Impact of recent guidelines on ANTIEMETIC PRESCRIPTIONS in a French university hospital

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## Introduction

Antiemetics are commonly prescribed in hospital, with serious side effects.

European Medicines Agency (EMA) and French medicines agency issued guidelines on **metoclopramide** (December 2013), **domperidone** (September 2014) and injectable **ondansetron** (September 2013), specifying indications and dosage restrictions, to reduce adverse effects.

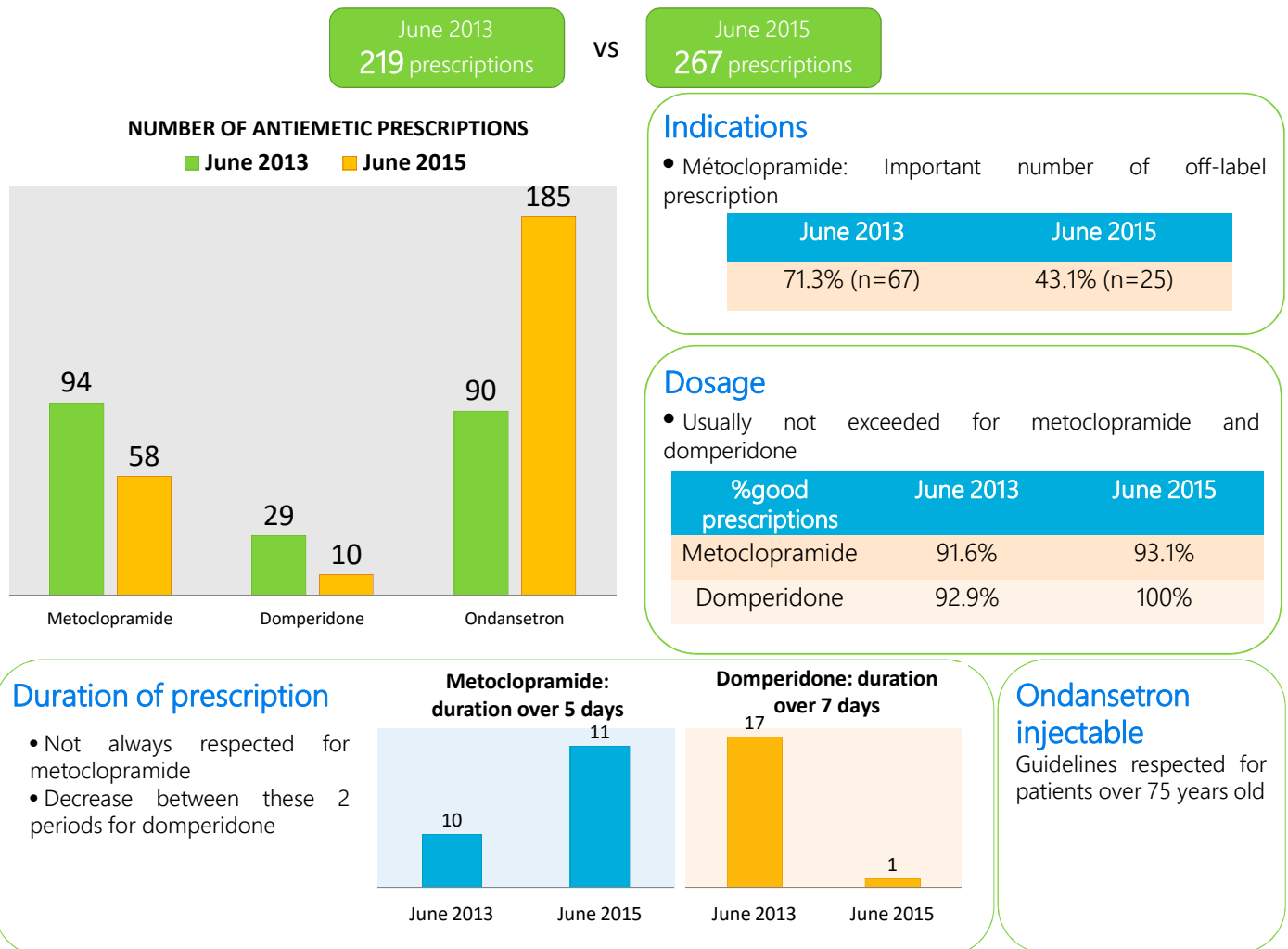
We studied guidelines impact on prescription in our hospital, before and after publications.

## Materials and methods

2 periods observed: **June 2013 vs June 2015**

- ❖ Prescriptions extracted from the prescription management system
- ❖ All hospital departments, except intensive care units, emergency department, and hematology (no computerized prescriptions).
- ❖ Collected data : **type of drug, indication, dosage and duration of prescription.**

## Results



## Conclusion

These guidelines are generally respected. We noticed a deviation of ondansetron utilization, particularly the oral form, for all type of nausea.

Even if "off-label" metoclopramide prescriptions decreased between these 2 periods, it is essential to remind prescribers to strictly follow approved indications and period of limitation

Prescribers general opinion is that these guidelines are difficult to apply, because of drug shortages.