# A MOBILE TEAM OF CLINICAL PHARMACISTS IN DIGESTIVE AND UROLOGICAL SURGERY UNITS: RESULTS AND SATISFACTION AFTER 9 MONTHS



A.Bernard <sup>1</sup>, N.Allaire <sup>1</sup>, J.Mocquard <sup>1</sup>, N.Serandour <sup>1</sup>, E.Corbineau <sup>1</sup>

<sup>1</sup>Pharmacy, CHU de Nantes, Nantes, France

#### BACKGROUND

A pharmaceutical team has been deployed in digestive and urological surgery wards since November 2016 (84 beds):

- Large number of prescribers: surgeons, anesthetists, dieticians...
- Medication errors
  - Risks of interactions between anesthesia and patient personal treatment
- The team:
   1 pharmacist
   1 resident
   2 students
- Medication reconciliation (MR)
- Pharmaceutical analysis
- Therapeutic optimization



#### **OBJECTIVE OF THIS STUDY:**

To evaluate the impact of a clinical pharmacy organization on **patient care safety** and the **satisfaction** of physicians and nurses in digestive and urological surgical units

### MATERIAL & METHODS

During 9 months, all pharmaceutical interventions (PI) were registered and categorized according to the French society of clinical pharmacy (SFPC). The number of PIs leading to a prescription's modification was recorded. A satisfaction survey was performed 8 months after the deployment. The survey included questions regarding the quality of information provided by the pharmaceutical team and the impact on patient safety.

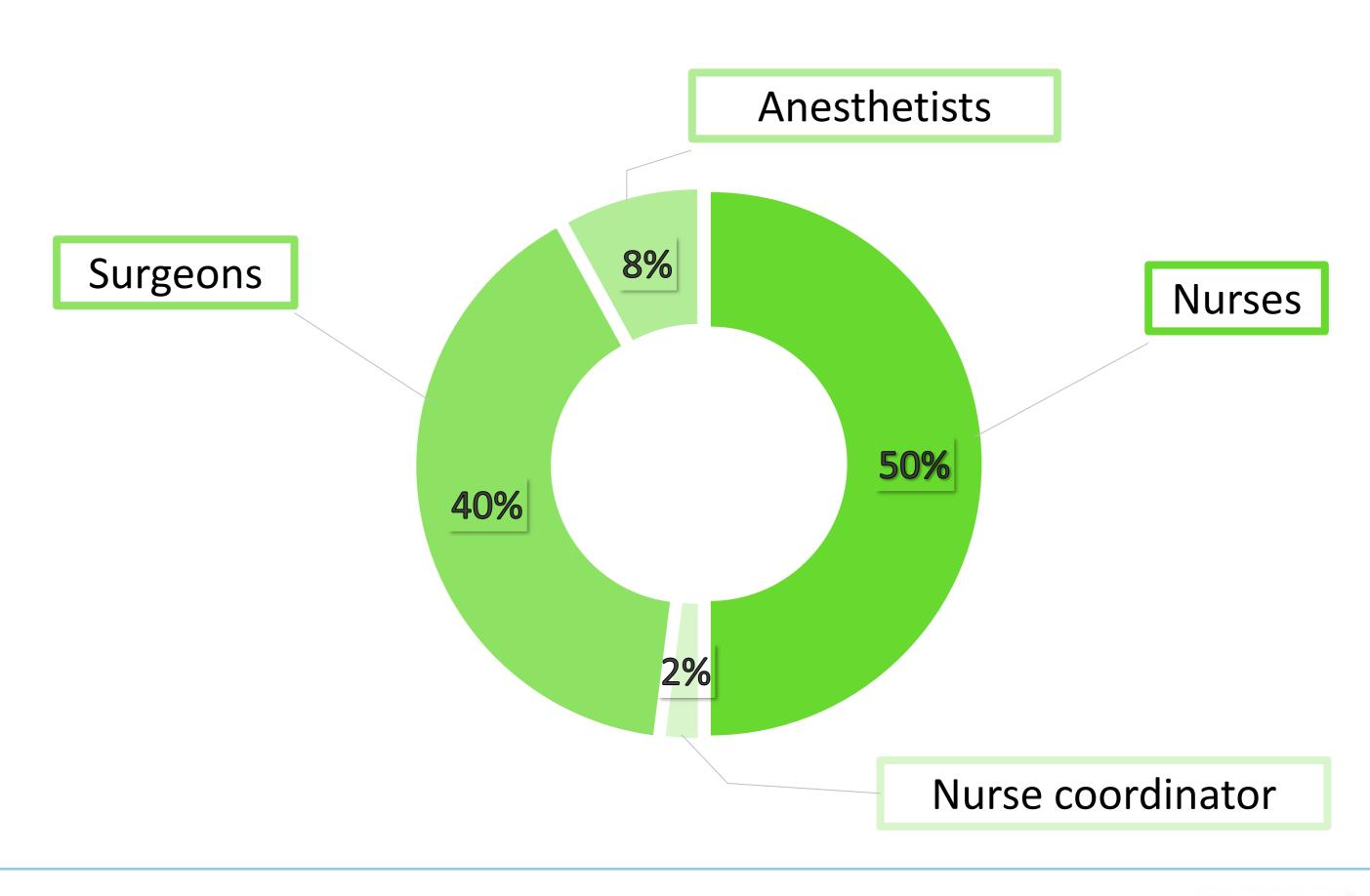
## RESULTS

#### PHARMACEUTICAL INTERVENTIONS ANALYSIS 2808 patients benefited from MR Over and underdosage Incorrect route Contraindication 2% 2% Other Unindicated 1334 Pls have been medication 38% performed, they concern: Omitted 11% medications Inadequate 23,5 % of the patients prescription information 32% Incorrect posology Classification of PIs according to the SFPC (French Society of Clinical Pharmacy) 1159 Pls (87%) have been D : Dermatologicals 1% accepted by the prescribers L: Immunomodulating agents V : Various M : Musculo-skeletal system H : Systemic hormones Prescription S : Sensory organs 4% modification G: Genito-urinary system/sex... 4% J : Antiinfectives for systemic use 5% B: Blood and blood forming organs R : Respiratory system N : Nervous system 21% A: Alimentary tract and metabolism C : Cardiovascular system 23%

#### **SATISFACTION SURVEY RESULTS**

→ 104 professionals interviewed : **58** answers

Response rate: 56 %



96 % of the respondents are satisfied

The activities increase the patient safety :  $\rightarrow$  98 % agreed

Other surgery units should benefit from the same activities:

 $\rightarrow$  94 % agreed

# CONCLUSION

High acceptance rate of PIs
High rate of satisfaction

Classification of PIs according to the ATC system

(Anatomical, Therapeutic, Chemical)

The pharmaceutical team is important to improve healthcare safety regarding medications

The pharmaceutical offer is well accepted and useful

**Bonus**: Decrease of medications expenses in the units since the deployment of the team (-17%)

