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

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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

1334 PIs have been performed, they concern: 23.5% of the patients

Classification of PIs according to the SFPC (French Society of Clinical Pharmacy)

- Incorrect route 29.3%
- Contraindication 2.3%
- Omitted medications 33.2%
- Incorrect posology 3.8%
- Unindicated medication 11.1%
- Other underdosage 2.1%

1159 PIs (87%) have been accepted by the prescribers

Classification of PIs according to the ATC system (Anatomical, Therapeutic, Chemical)

- D: Dermatologicals 1%
- L: Immuno-modulating agents 2%
- V: Various 2%
- M: Musculo-skeletal system 3%
- H: Systemic hormones 3%
- S: Sensory organs 4%
- G: Genito-urinary system/sex...
- J: Anti-infectives for systemic use 4%
- B: Blood and blood forming organs 5%
- R: Respiratory system 6%
- N: Nervous system 21%
- A: Alimentary tract and metabolism 21%
- 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: 98% agreed
- Other surgery units should benefit from the same activities: 94% agreed

CONCLUSION

High acceptance rate of PIs
High rate of satisfaction

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%)