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# MEDICINES RECONCILIATION ON ADMISSION : A PATIENT SAFETY STRATEGY

CP-171

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## Introduction/Objectives

Medication Reconciliation on Admission (MRA) aims to identify and solve Unintended Medication Discrepancies (UMD) defined as differences between the home treatment prescription and the first hospital prescription. Our study aims to assess the impact of the MRA on UMD and to identify risk factors for the development of UMD.

## Study design

#### Methods

- · Retrospective study in 2013.
- . Six services: vascular surgery, geriatrics, haematology, infectious diseases, nephrology and urology.
- · Management by pharmacy students, supervised by clinical pharmacists.
- . Inclusion criteria: patient who can benefit of MRA within the 48 hours of the patient's admission.
- . Interview with the patients about their home treatment prescription, self-medication, allergies, adverse events and therapeutic adherence.
- . Call by phone to community pharmacists (dispensed drugs information in the last 3 months).
- Further information collected from other sources: patient's medical record, interview with the family, letters from community doctors.
- . Determination of potential harm of each UMD (high, moderate or minor risk) accessed by two pharmacists. **Endpoints** 
  - Number of UMD and risk factors for the development of UMD.
  - . UMD clinical impact.

### Statistical analysis

• Correlations between all the parameters were statistically tested (Wilcoxon signed-rank test; Kruskal Wallis Test; Spearman's rank correlation coefficient).



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Bibliography <sup>1</sup> Tam et al., Can Med Assoc J. 2005 - <sup>2</sup>Kwan et al., Ann Intern Med, 2013