IMPACT OF PROACTIVE MEDICATION RECONCILIATION PRIOR TO PRE-ANAESTHESIC CONSULTATION

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BACKGROUND AND IMPORTANCE

- Continuity of medication management in hospitals is a major issue, and the clinical pharmacist has a key role to play in it.
- Higher rate of unintended medication discrepancies (UMDs) during medication reconciliation (MR).

AIM AND OBJECTIVES

An MR process prior to the pre-anaesthetic consultation (PAC) has been set up, to improve the continuity of care for patients hospitalized in our vascular surgery departments.

We wanted to assess the impact of carrying out proactive MR by a clinical pharmacist prior to the PAC versus retroactive MR.

MATERIAL AND METHODS

1. **Proactive MR** (performed by a pharmacy intern)
   - Phone interview with the patient
   - The retail pharmacy and/or primary care physician were contacted to collect the patient's prescriptions.
   - First prescription completed after a proactive MR

2. Retroactive MRs were carried out on another group of patients, using the same sources, after the patient's entry and after the first prescription.

RESULTS

Over a 6 month period

- 100 patients in the "Proactive MR" group
- 100 patients in the "Retroactive MR" group

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<thead>
<tr>
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<th>Proactive MR (n=100)</th>
<th>Retroactive MR (n=100)</th>
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<tbody>
<tr>
<td>Average age (years)</td>
<td>69</td>
<td>66</td>
</tr>
<tr>
<td>% men</td>
<td>69</td>
<td>56</td>
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<tr>
<td>Average number of home treatments</td>
<td>8 (2-18)</td>
<td>7,4 (1-14)</td>
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<tr>
<td>UMD</td>
<td>150</td>
<td>26</td>
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<tr>
<td>UMD/patient</td>
<td>1,55</td>
<td>0,26</td>
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CONCLUSION AND RELEVANCE

There are more than 5.5 times fewer UMDs when MRs are carried out proactively before the patient's entry. Carrying out MRs for PACs enables the prescription to be anticipated and the anaesthetist to obtain an exhaustive list of the patient's treatments, which also avoids forgetting to stop some of them, particularly anticoagulants. The development of prescription assistance software with a pre-prescription module would be a step forward and an added value for the reduction of medication errors.