DEPRESCRIBING TOOLS FOR THE ELDERLY: A SYSTEMATIC REVIEW

Mejías Trueba M, Rodríguez Pérez A, Fernández Rubio B, Sánchez Fidalgo S
1Hospital Universitario Virgen del Rocío, Hospital Pharmacy, Seville, Spain.
2Departamento de Medicina Preventiva y Salud pública. Universidad de Sevilla. Spain

BACKGROUND AND IMPORTANCE
Deprescription is the revision of the therapeutic plan with the aim of simplifying it, taking into account the preferences of the patient, prognosis and environment. This strategy acquires special relevance in elderly patients, so they are exposed to numerous adverse effects and interactions.

OBJECTIVE
To identify the deprescribing tools aimed at elderly patients available in the scientific literature and their main characteristics.

MATERIAL AND METHODS:
• Systematic search -- PubMed and EMBASE up to April-2020, applying the PRISMA method.
• Search strategy: deprescribing, study population (aged OR elderly) and deprescribing strategies (tool OR process OR criteria OR algorithm).
• Inclusion criteria: observational/experimental studies which created or developed a deprescribing tool in elderly patients.
• Exclusion criteria: studies where the deprescribing tool is aimed at a specific medication, pharmacological group or pathology.
- Tools identified were analyzed according to whether they were criterion/algorithm type.

RESULTS:
13/485 papers met the inclusion criteria
11 tools were identified
5 “algorithm-based tools”
6 “criterion-based tools”
2 of the articles develop the validation of 2 criterion-based tools

All the tools were aimed at ELDERLY patients
Peculiarities regarding their design, population, setting of application and items that formed the tool

<table>
<thead>
<tr>
<th>Algorithm-based tools</th>
<th>Criterion-based tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methodology</td>
<td>Not specified</td>
</tr>
<tr>
<td>Population</td>
<td>Patients with limited life expectancy (n=2)</td>
</tr>
<tr>
<td>Settings of application</td>
<td>Institutionalised patients (n=2), hospitalised patients (n=1), not specify the scenario (n=2)</td>
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</tbody>
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Most of the tools agree on the pharmacological groups that are likely to be deprescribed: STATINS, ANTIPSYCHOTICS, PROTON-PUMP INHIBITORS, ANTIDEPRESSANTS

CONCLUSION:
Knowing and being able to use deprescription tools aimed at hospitalized patients or patients with multimorbidity can be very useful for hospital pharmacists, allowing them to carry out this activity as part of their healthcare activity, thus improving the prescription and safety of their patients.