BACKGROUND & IMPORTANCE

BACKGROUND

- Cardiovascular therapies are used frequently, accounting for 50% of prescriptions in geriatric patients.
- They frequently cause adverse drug events.
- Yet, most interventional studies did not target these therapies. This might be attributed to a lack of resources, adequate training or support to perform targeted medication reviews.
- Consequently, there is a clear need for an updated screening tool targeting cardiovascular therapies in geriatric patients.

AIM

To update and validate the cardiovascular segment of a previously developed screening tool, the RASP list.

The updated RASP_CARDIO list was intended for use in geriatric patients.

MATERIALS & METHODS

A three step validation study was conducted by the hospital pharmacy, geriatric medicine and cardiology departments of the University Hospitals Leuven

1. Update of RASP List (version 2014): based on literature research, other screening tools and input of end-users

2. Panel discussions with five cardiologist and three clinical pharmacists: review of updated draft RASP_CARDIO list

3. External validation using a modified Delphi Technique and a panel of European hospital pharmacists, cardiologists, geriatricians and an internal medicine physician

Consensus was achieved in case of ≥80% agreement among experts. The final construct comprised a list of 95 statements related to potentially inappropriate prescribing (both over- and underuse) of cardiovascular agents.

RESULTS

Seventeen experts from four European countries participated in two validation rounds (Figure 1). Consensus was achieved for all statements of the RASP_CARDIO list. One new statement was added.

The final construct comprised a list of 95 statements related to potentially inappropriate prescribing (both over- and underuse) of cardiovascular agents.

Figure 1: Origin of Delphi rounds participants

- Belgium (68%)
- The Netherlands (18%)
- Sweden (6%)
- Northern Ireland (6%)

RASP_CARDIO ↔ STOPP/START v_2

- 90% (29/32) of the cardiovascular statements of the second version of the STOPP/START criteria were included in the RASP_CARDIO list
- The RASP_CARDIO list incorporated 66 additional statements.

CONCLUSION & RELEVANCE

The RASP_CARDIO list is an updated and validated explicit screening tool to optimize cardiovascular pharmacotherapy in geriatric patients.

REFERENCES


Scan for poster:

Scan for publication (including RASP_CARDIO list):