

Hospital Universitario de Móstoles

MEDICINES RECONCILIATION PROCESS AT ADMISSION IN PATIENTS OVER 75 YEARS OF AGE

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Objectives

- ✓ To identify the type, frequency and severity of discrepancies between the medications prescribed during admission and their chronic medication
- √ To analyze medicines involved in reconciliation errors (RE)

Methods

Retrospective and descriptive study (November-December 2011)

Pharmacists included patients over 75 years admitted for at least 48 hours



Pharmacists compared the order for medication sent to the pharmacy with the clinical history and patient interview



Discrepancies were classified according to the algorithm of "Consensus Document on Terminology and Classification in Medication Reconciliation"



The severity of RE were assessed by adapting it made Gleason et al. NCCMERP's scale for the reconciliation process

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Results

PATIENTS DATA			
Characteristics		Value	
n		192	
Age (mean)		84,3 years (SD: 5,7)	
Cov (0/)	Male	43,7	
Sex (%)	Female	56,3	
Chronic medication (mean)		7,4 (SD: 4,2)	

RECUNCILIATION PROCESS			
No. of detected discrepancies			
No. of patients with medication discrepancies (%)			
No. of discrepancies did not require clarification (%)			
No. of discrepancies required clarification with the physician (%)			
Reconcilia	tion errors		
No. of reconciliation errors (%)			
Type of reconciliation errors (%)	Omitted chronic medication Incorrect dose, frequency or administration route	80,6 13,9	
	Incorrect drug	2,8	
Severity (NCCMERP's index) (%)	Category C Category D Category E	65,3 30,6 4,2	
Anatomical Therapeutic Chemical	C = cardiovascular system N = nervous system	27,8 26,4	
(ATC) classification system (%)	A = alimentary tract and metabolism	18,1	

RECONCII IATION PROCESS

Conclusions

- Reconciliation process has detected the existence of discrepancies in patients older than 75 years.
- It would be necessary to pay special attention to drugs belonging to the cardiovascular system, nervous system and the digestive system.
- Most RE probably would not have caused damage but more than 30% had category D and E.

