





PHARMACEUTICAL INTERVENTIONS IN PATIENTS TREATED WITH DIRECT-ACTING ORAL ANTICOAGULANTS ADMITTED IN INTERNAL MEDICINE

Mondelo García C, Lestón Vázquez M, Mauriz Montero MJ, Fernández Bargiela N,

Giménez Arufe V, Martín Herranz I.

Pharmacy Service. Instituto de Investigación Biomédica de A Coruña (INIBIC), Complexo Hospitalario Universitario de A Coruña (CHUAC), Sergas. Universidade da Coruña (UDC). As Xubias, 84. 15006 A Coruña, Spain.

Background

The increase in elderly patients with comorbilities who are treated with direct-acting oral anticoagulants (DOACs) makes necessary an individualised pharmacotherapy follow-up during hospitalisation.

Objective

Our objective is to describe the causes of pharmaceutical interventions related to DOACs and to determite the acceptance of these interventions by physicians.

Methods

Descriptive observational study of all patients with a DOAC prescription admitted in Internal Medicine from the Emergency Department and **descriptive analysis of pharmaceutical interventions** related to DOACs.

Interventions were done through <u>a message in the electronic prescription program</u>.

Study period: January to May 2017

* Data sources: electronic medical records and electronic prescription program.

Collected data: demographic and clinical variables, laboratory data and concomitant treatments.



✓ 78 patients

- ✓ 100 % of patients with nonvalvular atrial fibrillation treated with DOACs
 ✓ Mean age: 79 (54–93) years-old
- ✓ 55% men





8.8 (2–16) medications

Low bodyweight



A total of **17 concomitant treatments were stopped** during the study period because of the potential interactions with DOACs:

benzodiazepins (8), antiplaquet drugs (5) and others (4)

Conclusions

Active surveillance is needed during the acute episodes in patients treated with DOACs.
Impaired renal function, advanced age, active bleeding, pharmacodynamic and pharmacokinetic interactions, liver failure and low bodyweight are causes of overexposure to DOACs.
Pharmaceutical interventions have a high rate of acceptance by physicians and can prevent adverse events.

