INTRODUCTION

Chronic Obstructive Pulmonary Disease (COPD) treatment consists mainly in inhaled medications. The evolution of this illness is linked with good compliance.

OBJECTIVE

The aim of the study is to assess patients’ compliance and their ability to use the inhaled medical devices.

MATERIAL AND METHODS

A prospective observational study was conducted in an University Hospital during 2 months → Inclusion criteria : patients treated by inhaled devices for a COPD

RESULTS

45 patients
- Mean compliance score: 3.5/6
- Mean number of respected steps: 1.2/3

Patients’ distribution according to their compliance score

- 44% Fully observant → score = 6/6
- 40% Poorly observant → score = 4 ou 5/6
- 16% Non-observant → score ≤ 3/6

Patients’ distribution according to the number of respected steps

- 53% 3 steps respected
- 18% 2 steps respected
- 16% 1 step respected
- 13% No step respected

CONCLUSION

This study stresses a limitation in compliance in COPD patients with inhaled treatments:
- High level of non-observant patients
- Limited mean number of accomplished steps during inhalation.

Clinical Pharmacist’s intervention

Compliance improvement → impact on the disease evolution?

Girerd’s compliance questionnaire

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