Evaluation of the implementation of "inhaler interviews" during medication reconciliation in the pneumology service

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BACKGROUND & OBJECTIVE

At the request of the pneumology specialists, we managed to set up the medication reconciliation in the service. Taking advantage of this new activity, we proposed to evaluate the patient’s ability to use his inhaler. The objectives are to promote the correct use of inhalation devices and to assure a proper patient management.

SETTING & METHOD

- An inventory of inhalation devices is made
- The Zéphir guide → to acquire the right gestures
- The RQESR 2019 (Quebec Respiratory Health Education Network) → to evaluate the patient’s control of aerosol use
- Interviews are carried out by the pharmacy intern
- Pharmaceutical companies helped us get demonstration kits

RESULTS

In two and a half months, we assessed 65 patients with an average age of 65.6 years. 49.2% of the patients had more than one inhaler at home.

- Lenght of patient interviews:
  - Shortest interview: 5 min
  - Average: 12.4 min
  - Longest interview: 25 min

- % Adequate inhaler technique:
  - 15%
  - 85%

- The multidisciplinary nature of the work carried out by healthcare professionals
- Detection and correction of device misuse
- The difficulty in obtaining the devices and time required to receive them
- Complicated verbal communication (language, deafness…)

CONCLUSION

The implementation of this activity has been gradual (training, development of the medication reconciliation, research into new monitoring indicators). This work has also made it possible to carry out a more in-depth reflection, within the medical and pharmaceutical teams, with view to optimising the range of inhalers and proposing user friendly devices or not requiring hand-lung coordination.