Inhaler instruction in patients with asthma or COPD: can it be improved?

Published: 01-06-2015
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to investigate the additional value of the use of inhaler specific instruction cards in inhaler education in patients with asthma or COPD.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Bronchial disorders (excl neoplasms)
Study type	Interventional

Summary

ID

NL-OMON42356

Source
ToetsingOnline

Brief title
Optimising inhaler education in patients with pulmonary disease

Condition

- Bronchial disorders (excl neoplasms)

Synonym
asthma and COPD, obstructive pulmonary diseases

Research involving
Human

Sponsors and support

Primary sponsor: Longziekten Martini Ziekenhuis
Source(s) of monetary or material Support: geen financiering beschikbaar

Intervention

Keyword: asthma, COPD, inhaled medication, inhaler education

Outcome measures

Primary outcome

The proportion of patients demonstrating adequate inhaler technique.

Secondary outcome

The number of errors while using the inhaler.

Disease control, medication adherence, patient perceived side effects of

inhaled cortocosteroids, patient satisfaction/experiences with the inhaler and

instruction provided and satisfaction with the patient instruction card (in the

usual care + group only).

Study description

Background summary

Inhaled mediation is the cornerstone of the treatment of patients with asthma or COPD. Adequate inhaler technique is crucial to maximise the benefits of inhaled medication treatment. However, inadequate inhaler technique and device mishandling is a common and widespread issue. Although device inhaler education has been shown to improve outcomes, research into the most optimal method or content of inhaler education is scarce. The newly developed inhaler specific patient instruction cards might be beneficial in optimising inhaler education in patients with obstructive pulmonary diseases resulting in beneficial effects in the management of patients using inhaled medication.

Study objective

to investigate the additional value of the use of inhaler specific instruction cards in inhaler education in patients with asthma or COPD.

Study design

a prospective randomised controlled trial.

Intervention

Patients in the usual care group will receive standard inhaler education from a COPD nurse. Instruction will be verbally provided as well as correct inhaler use will be demonstrated and practised.
Patient in the usual care + group will receive additional to the standard inhaler education a inhaler specific instruction card to support the inhaler education.

Study burden and risks

There are no risks with participating in this study. Patients will visit the hospital twice and this visits will be combined as much as possible with regular visits to the pulmonologist. Each visit will take about 45 minutes (assessment of inhalation technique, inhalatation education, filling out questionnaires). A possible advantage is that inhalatation technique is improved which is beneficial for the efficacy of the inhaled medication.

Contacts

Public
Selecteer

van Swietenplein 1
Groningen 9728 NT
NL
Scientific
Selecteer

van Swietenplein 1
Groningen 9728 NT
NL

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

age 18 years or older
diagnosis asthma or COPD
using maintenance medication for pulmonary disease

Exclusion criteria

received inhaler education in preceding 6 months
difficulty with understanding the inhalation instruction (cognitive disorder or language problems)

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Double blinded (masking used)
Control:	Active
Primary purpose:	Treatment

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	01-06-2015
Enrollment:	100
Type:	Actual

Ethics review

Approved WMO

Date:	01-06-2015
Application type:	First submission
Review commission:	RTPO, Regionale Toetsingscie Patientgebonden Onderzoek (Leeuwarden)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

ID: 28559
Source: NTR
Title:

In other registers

Register	ID
Other	aangemeld bij Nederlands Trial Register kandidaat nr 22012
CCMO	NL52999.099.15
OMON	NL-OMON28559