Davos@home: eHealth support of patients with severe asthma during and after AACT (Alpine Altitude Climate Therapy)

Gepubliceerd: 12-02-2021 Laatst bijgewerkt: 15-05-2024

The use of the ehealth application PatientCoach combined with home monitoring devices supports sustained long term asthma control after AACT

Ethische beoordeling	Niet van toepassing
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON27453

Bron
NTR

Verkorte titel
Davos@home

Aandoening

Severe or uncontrolled asthma

Ondersteuning

Primaire sponsor: Vereniging Nederland Davos, Stichting Astma Bestrijding
Overige ondersteuning: Vereniging Nederland Davos, Stichting Astma Bestrijding

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Time to first exacerbation

Toelichting onderzoek

Achtergrond van het onderzoek

In uncontrolled or severe asthma, alpine altitude climate treatment (AACT) may be used as add-on therapy, according to the Dutch severe asthma guidelines. AACT at the Davos Asthma Centre Davos combines a clinical multidisciplinary treatment programme with environmental trigger avoidance in the alpine climate. The treatment includes optimisation of asthma control, interactive patient self- management education, a personalised exercise program and sessions addressing behavioural aspects of living with a chronic disease and problems such as anxiety, stress and depression. Once the patient returns to his/her home environment, there is a risk of relapse. In a previous project we showed that such a relapse in patients with severe asthma after discharge from AACT can be partially attenuated by eHealth support of self-management with a web-based application called PatientCoach. We improved PatientCoach based on feedback of patients and professionals and made it available as an application for a smartphone.
Recent advances in the use of bio-wearables and home-monitoring systems might also improve asthma outcomes and could be integrated into PatientCoach. These potential improvements must be weighed against feasibility of use, since more devices and measurements also require more time.

We plan to perform a pragmatic randomized controlled trial in which we will evaluate the clinical effectiveness of the PatientCoach app with home-monitoring devices (intervention) as compared to the PatientCoach app without home-monitoring devices (control) in patients with severe asthma after AACT with a follow-up period of 12 months.

Doel van het onderzoek

The use of the ehealth application PatientCoach combined with home monitoring devices supports sustained long term asthma control after AACT

Onderzoeksopzet

Baseline, 3 months, 6 months, 9 months, 12 months.

Onderzoeksproduct en/of interventie

PatientCoach app with home monitoring devices (spirometer, activity meter, FeNO measurement device)

Contactpersonen

Publiek

Nederlands Astmacentrum Davos
KB Fieten

0814178000

Wetenschappelijk

Nederlands Astmacentrum Davos
KB Fieten

0814178000

Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Adults (≥18 years) with uncontrolled or severe asthma, despite using high doses of inhaled corticosteroids combined with long-acting bronchodilators for more than 1 year, who are eligible for ACT. Uncontrolled asthma is defined as having two or more exacerbations per year requiring OCS and / or an ACQ of 1.5 or higher.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Not in possession of a smartphone. Illiterate.

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel

Toewijzing:	Gerandomiseerd
Blindering:	Open / niet geblindeerd
Controle:	Geneesmiddel

Deelname

Nederland

Status:	Werving nog niet gestart
(Verwachte) startdatum:	01-08-2021
Aantal proefpersonen:	126
Type:	Verwachte startdatum

Voornemen beschikbaar stellen Individuele Patiënten Data (IPD)

Wordt de data na het onderzoek gedeeld: Nog niet bepaald

Ethische beoordeling

Niet van toepassing

Soort:	Niet van toepassing

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

ID: 54107
Bron: ToetsingOnline
Titel:

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL9273
CCMO	NL75682.058.20
OMON	NL-OMON54107

Resultaten