

COPD dot COM.

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Feedback to the COPD patient about his condition and physical activity plays an important role in promoting self management. Within the current care for patients with COPD, there is a lack of insight into daily activities and lack of understanding...

Ethische beoordeling	Positief advies
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON22011

Bron

NTR

Aandoening

Chronic Obstructive Pulmonary Disease (COPD)

Ondersteuning

Primaire sponsor: Ziekenhuis Medisch Spectrum Twente

Haaksbergerstraat 55

7533 ER Enschede

Nederland

053-4872023

Fax 053-4872042

E-mail www.mst.nl

Overige ondersteuning: ZonMw

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Does activity increase in COPD patients, receiving feedback from the prototype COPD dot

COM system, measured in number of steps per day, compared with a group of COPD patients without feedback?

Toelichting onderzoek

Achtergrond van het onderzoek

Feedback to the COPD patient about his condition and physical activity plays an important role in promoting self management. Within the current care for patients with COPD, there is a lack of insight into daily activities and lack of understanding of the impact of physical training on the disease status. In addition, still working with paper patient files with the disadvantage that they are not constantly updated and current information missing. That's why the 'COM dot COPD "study is designed to target a prototype system to develop and test, to manage symptoms in COPD patients where the system can be tailored to the individual needs of patients and so fits the current healthcare system that can be implemented in daily care. Considerations in this study with regard to preventing deterioration of disease status and encourage an active lifestyle. The patient is supported and led by Information and Communication Technology (ICT) in achieving its goals and self-management of complaints. In addition, the system can give insight professionals involved in the current disease status so they can give timely advice and mutual information exchange.

Doel van het onderzoek

Feedback to the COPD patient about his condition and physical activity plays an important role in promoting self management. Within the current care for patients with COPD, there is a lack of insight into daily activities and lack of understanding of the impact of physical training on the disease status. In addition, still working with paper patient files with the disadvantage that they are not constantly updated and current information missing. This idea is the 'dot COM COPD "study designed to target a prototype system to develop and test, to manage symptoms in COPD patients where the system can be tailored to the individual needs of patients and so fits the current healthcare system that can be implemented in daily care. Considerations in this study with regard to preventing deterioration of disease status and encourage an active lifestyle. The patient is supported and led by Information and Communication Technology (ICT) in achieving its goals and self-management of complaints. In addition, the system can give insight professionals involved in the current disease status so they can give timely advice and mutual information exchange.

Onderzoeksopzet

In the intervention group, the first five days the motion sensor detects movement activities measured without feedback. Based on this average measurement a reference line is calculated (by delta method).

The measurement takes over 4 weeks, 4 days a week.

In addition, both groups per half day (morning 8.00-13.00 hours 13.00-17.00 hours noon, evening 17.00-20.00 hours) record how many steps the pedometer measured.

Onderzoeksproduct en/of interventie

Two groups of 16 patients will be formed. The control group wears a pedometer during four weeks, 4 days of the week (Yamax DigiWalker 200).

The intervention group uses the same pedometer as the control group with the COPD dot COM prototype system consisting of MTX-W motion sensor (Xsens) and Personal Digital Assistant ([PDA] (HTC P3600/P3700) and a touchscreen (or their own computer) linking to a Web portal.

The patients must wear both pedometer and MTX-W sensor and PDA around their waist, from when they wake up until at least eight PM. In the intervention group, the PDA provides feedback in the form of counseling. In addition, the intervention group completes a daily diary of their symptoms on the portal. Based on the subjective reports feedback about starting a course of prednisolone and / or antibiotics is given. Both groups have to write down per part of the day how many steps the pedometer measured.

Contactpersonen

Publiek

Geerdinksweg 141
Marloes Scholten
Hengelo 7555 DL
The Netherlands
+31 (0)74 2905837

Wetenschappelijk

Geerdinksweg 141
Marloes Scholten
Hengelo 7555 DL
The Netherlands
+31 (0)74 2905837

Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

1. A clinical diagnosis of stable COPD defined by GOLD criteria;
2. GOLD classification II-III;
3. Able to read, write and understand Dutch language;
4. Internet access at home.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

1. Exacerbation in four weeks prior to measurement;
2. Impaired hand function; inability to control application;
3. Comorbidity which restricts movement activities;
4. Pathological changes which may affect activities of daily living (eg, stroke, osteoarthritis, arthritis, rheumatoid arthritis);
5. Asthma;
6. Other present and active lung disease;
7. Use of oxygen;
8. Less than six weeks ago started to workout with the physiotherapist.

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Toewijzing:	Gerandomiseerd
Blinding:	Open / niet geblindeerd

Controle: Geneesmiddel

Deelname

Nederland
Status: Werving nog niet gestart
(Verwachte) startdatum: 01-10-2010
Aantal proefpersonen: 32
Type: Verwachte startdatum

Ethische beoordeling

Positief advies
Datum: 24-07-2010
Soort: Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL2334
NTR-old	NTR2440
Ander register	ABR : 33403
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Resultaten

Samenvatting resultaten

N/A