

Improvement of engagement in physical activities and quality of life in dementia: study into the (cost-)effectiveness of exergaming

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Persons with dementia who engage in exergaming in day centres will be more physically active and show improved functioning compared to day centres offering regular activities.

Ethische beoordeling	Positief advies
Status	Werving gestopt
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON28729

Bron

Nationaal Trial Register

Verkorte titel

D-EXERGAMING

Aandoening

Inactivity (inactiviteit), behaviour and mood problems (gedrag en stemmingsproblemen), well-being (welzijn) in persons with dementia
Experience burden (ervaren belasting) of caregivers

Ondersteuning

Primaire sponsor: VU medisch centrum

Vrije Universiteit

TNO

Hilverzorg

Evean

Alzheimer afd Amsterdam

Silverfit

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Physical activity (lichamelijke activiteit) en Mobility (mobiliteit)

Toelichting onderzoek

Achtergrond van het onderzoek

In this project, the (cost-)effectiveness of an innovative way of exercising for people with dementia will be studied: exergaming. Exergaming technology focuses on gaming exercises that are controlled by physical movements of the player. The aim of this intervention is to stimulate people living with dementia to exercise indoors in an enjoyable, safe way, thereby promoting physical, cognitive, emotional and social functioning and quality of life. A randomized controlled trial will be conducted among participants with dementia who attend day-care centers with or without exergaming activities. The effectiveness of exergaming will be compared to regular activities in day-care centers on performance of physical activities and mobility (primary outcome) and on physical, cognitive, social and emotional functioning, and quality of life of people with dementia. For informal caregivers, the effectiveness will be evaluated on experienced burden, quality of life and positive care experiences (secondary outcomes). Furthermore, the cost-effectiveness will be studied as well as the satisfaction with exergaming and factors to improve implementation of exergaming in dementia care.

Participants will be recruited from the Netherlands.

Doel van het onderzoek

Persons with dementia who engage in exergaming in day centres will be more physically active and show improved functioning compared to day centres offering regular activities.

Onderzoeksopzet

at baseline, and three and six months later

Onderzoeksproduct en/of interventie

Exergaming (doing physical exercises in a virtual cognitive gaming environment) as

compared to regular activities in day care

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

diagnosis of dementia, severity mild to moderate severe

living in the community

attending day care

primary caregiver involved

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

admission to nursing home expected within 6 months

terminal illness

severe physical comorbidity

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Toewijzing:	Gerandomiseerd
Blinding:	Open / niet geblindeerd
Controle:	Actieve controle groep

Deelname

Nederland	
Status:	Werving gestopt
(Verwachte) startdatum:	01-03-2016
Aantal proefpersonen:	224
Type:	Werkelijke startdatum

Voornemen beschikbaar stellen Individuele Patiënten Data (IPD)

Wordt de data na het onderzoek gedeeld: Ja

Toelichting

Collected data regarding the TOPICS-MDS will be shared in the TOPICS-MDS database. This includes background characteristics; physical, social, emotional functioning; quality of life; health care costs; experiences caregiving

Ethische beoordeling

Positief advies	
Datum:	10-12-2015
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	NL5420
NTR-old	NTR5537
Ander register	CMG: VUmc2015-679 : ZonMw 70 73308-98

Resultaten

Samenvatting resultaten

- Van Santen J, Dröes R-M, Holstege M, Blanson Henkemans OA, van Rijn A, de Vries R, et al. Effects of Exergaming in People with Dementia: Results of a Systematic Literature Review. Journal of Alzheimer's Disease. 2018;64(2):741-60.
- Van Santen J., Dröes RM, Bosmans JE, Blanson Henkemans OA, van Bommel S, Hakvoort E, Valk R, Scholten C, Wiersinga J, van Straten A, Meiland F (2019) The (cost-) effectiveness of exergaming in people living with dementia and their informal caregivers: protocol for a randomized controlled trial. BMC Geriatr. Feb 19;19(1):50. doi: 10.1186/s12877-019-1062-x.