

A field evaluation of the application of dynamic lighting in living and care facilities for the demented people.

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To investigate the effects of dynamic lighting in an elderly population living in a nursery home

Ethical review	Approved WMO
Status	Pending
Health condition type	Other condition
Study type	Interventional

Summary

ID

NL-OMON32599

Source

ToetsingOnline

Brief title

Dynamic lighting

Condition

- Other condition

Synonym

dementia, psychogeriatric diseases

Health condition

verstoord dag-nachtritme

Research involving

Human

Sponsors and support

Primary sponsor: VIVRE contactpersoon H.J.H.M.M.verheesen MHA

Source(s) of monetary or material Support: Zon MW, Bouwcollege + eigen financiering Vivre

Intervention

Keyword: demention, dynamic lighting, elderly living and care, evaluation of use

Outcome measures

Primary outcome

activity measurement

change in circadian rhythm

Secondary outcome

improvement of quality of life

reduction of behavioral disturbances

Study description

Background summary

Circadian rhyhtms are actively re-inforced by the presense of day-light. People in nursery homes are seldomly exposed to direct day-light. Knowledge has become available that the effects of daylight can be mimmicked with artificial light of a certain intensity (>1000 lux) and color (blue-ish light 1000K) Application of this light in a specific pattern may be used to re-inforce the circadian rhythm by these people.

Study objective

To investigate the effects of dynamic ligthing in an elderly population living in a nursery home

Study design

experimental group (Aqua)

A) dynamic lighting + measurement of activity (actimeter)

Control group (Sonne)
B) measurement of activity (actimeter)

Each group is followed during 3 months

Intervention

introduction of dynamic lighting

Study burden and risks

introduction of artificial light can cause a burden
having to wear a wrist watch to support activity measurement can be regarded to as a burden.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)

Elderly (65 years and older)

Inclusion criteria

diagnostisized with psychogeriatric disease
living in Klevarie with indication ZZP5 or ZZP7

Exclusion criteria

diagnosis was set before the age of 70

Study design

Design

Study type:	Interventional
Intervention model:	Other
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)

Primary purpose: Health services research

Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-10-2008
Enrollment:	20
Type:	Anticipated

Ethics review

Approved WMO	
Application type:	First submission
Review commission:	METC SRL Stichting Revalidatie Limburg (Hoensbroek)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

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

No registrations found.

In other registers

Register	ID
CCMO	NL24421.022.08