Testing of the reliability of the Radner reading chart.

Published: 10-09-2007
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To measure the test-retest and inter-chart reliability of the Dutch version of the Radner reading chart in an older population with maculopathy.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Retina, choroid and vitreous haemorrhages and vascular disorders
Study type	Observational non invasive

Summary

ID

NL-OMON30878

Source
ToetsingOnline

Brief title
Reliability of the Radner reading chart.

Condition

- Retina, choroid and vitreous haemorrhages and vascular disorders

Synonym
macular degeneration, maculopathy

Research involving
Human

Sponsors and support

Primary sponsor: Oogziekenhuis Rotterdam
Source(s) of monetary or material Support: Stichting Wetenschappelijk Onderzoek het Oogziekenhuis Prof. Dr. H.J. Flieringa.

Intervention

Keyword: Critical print size, Reading acuity, Reading speed, Validation

Outcome measures

Primary outcome

To analyze the test-retest and inter-chart reliability of the three charts of

the Radner reading chart with respect to reading acuity, maximum reading speed

and critical print size.

Secondary outcome

If the Radner reading chart reveals to have a low reliability in this study

population, new sentences have to be composed, tested and selected.

Study description

Background summary

A reading test is a better functional parameter for the macular function than measurements with the routine single optotype distance visual acuity tests. In order to have a highly reproducible reading chart, useful for research purposes and daily practice, we previously developed the Dutch version of the Radner reading chart. This chart consists of three charts with 14 sentences each.

Study objective

To measure the test-retest and inter-chart reliability of the Dutch version of the Radner reading chart in an older population with maculopathy.

Study design

Prospective cohort study.

Study burden and risks

We will select patients who have to return to our hospital for clinical examination within one month. Therefore, the patients do not need extra visits

for this study.
One reading performance test will take about 10-15 minutes.

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

Maculopathy unchanged for a minimum of three months and progression within the next 3-4 weeks is unlikely.

Exclusion criteria

Additional eye disease (eg. amblyopie) or medication (eg anxiolytica or anti-epileptica) that

could affect reading performance,
(Suspected) dyslexia / illiteracy.

Study design

Design

Study type: Observational non invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Diagnostic

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	04-10-2007
Enrollment:	36
Type:	Actual

Ethics review

Approved WMO

Date:	10-09-2007
Application type:	First submission
Review commission:	METC Erasmus MC, Universitair Medisch Centrum Rotterdam (Rotterdam)

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	NL18538.078.07