# Testing of the reliability of the Radner reading chart.

Published: 10-09-2007 Last updated: 08-05-2024

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**

#### **Public**

Oogziekenhuis Rotterdam

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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