

# Macula off rhegmatogenous retinal detachment and its functional recovery.

No registrations found.

<b>Ethical review</b>	Positive opinion
<b>Status</b>	Pending
<b>Health condition type</b>	-
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON26742

### Source

NTR

### Brief title

Rhegmatogenous retinal detachment, functional recovery

### Health condition

Rhegmatogenous retinal detachment is an ocular condition in which the neuroretina has detached from the underlying retinal pigment epithelium. This may result in lasting problems with visual function, even if the retina becomes reattached through surgery. Problems may include reduced visual acuity, metamorphopsia, and reduced contrast acuity. These problems occur more frequently when the centre of the retina, the macula, is involved in the detachment.

## Sponsors and support

**Primary sponsor:** University Medical Centre Groningen, Department of Ophthalmology

**Source(s) of monetary or material Support:** Stichting Nederlands Oogheekundig Onderzoek, application for further sponsoring is in progress.

## Intervention

## Outcome measures

### Primary outcome

1. Visual acuity in relation to duration and height of macular detachment;
2. Individual parameters relating to visual function, subjective contentness and morphology of the macula in relation to each other.

Primary study group:

Pre-operative and postoperative at 1, 3, 6 and 12 months.

Secondary study group:

Pre-operative and 1 year after the latest vitreoretinal surgery.

### **Secondary outcome**

1. Correlation between height macular detachment measured by ultrasonography and by optical coherence tomography.
2. Relationship between subjective contentness in the primary and secondary study groups.

## **Study description**

### **Background summary**

A rhegmatogenous retinal detachment is a condition that can severely affect visual function, in particular when the macula is involved in the detachment. Previous studies evaluated whether duration of macular detachment or height of macular detachment influenced postoperative visual prognosis. Both factors - taken separately - are of importance, however when looking at duration of macular detachment no significant differences in visual recovery were observed between eyes with macular detachment of 1 to 9 days. The present study will evaluate whether differences in visual recovery can be related more strictly to duration of macular detachment when the data are corrected for height of macular detachment. This may result in a recommendation to change current practice with regard to patient scheduling in vitreoretinal surgery for rhegmatogenous retinal detachment.

### **Study objective**

Optimum timing of surgery for macula off rhegmatogenous retinal detachment can be determined in more detail by taking both duration and height of macular detachment into account.

### **Intervention**

Vitreoretinal surgery according to current practice guidelines.

## **Contacts**

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## Eligibility criteria

### Inclusion criteria

Primary study group:

1. Rhegmatogenous retinal detachment with macula off during 1 day to 6 weeks;
2. Retinal reattachment after one surgical intervention;
3. No redetachment during the study period (1 year).

Secondary study group:

same as primary study group, but more than one vitreoretinal surgical procedure is needed to obtain retinal attachment.

### Exclusion criteria

1. Pre-existent ocular pathology in the study or fellow eye that significantly influences visual acuity;
2. History of retinal detachment in the study or fellow eye.

## Study design

## Design

Study type:	Observational non invasive
Intervention model:	Other
Masking:	Open (masking not used)
Control:	N/A , unknown

## Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-02-2007
Enrollment:	200
Type:	Anticipated

## Ethics review

Positive opinion	
Date:	18-12-2006
Application type:	First submission

## 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
NTR-new	NL826
NTR-old	NTR839

**Register**

Other  
ISRCTN

**ID**

: N/A  
ISRCTN76474643

## Study results

**Summary results**

N/A