Cataract surgery in eyes with an idiopathic macular epiretinal membrane: the effect on the epiretinal membrane and the surgical outcome

Published: 25-04-2019
Last updated: 30-01-2025

To quantify progression of macular ERM, and the degree of correlation with phaco-energy, after phacoemulsification.

Ethical review	Approved WMO
Status	Recruiting
Health condition type	Eye disorders NEC
Study type	Observational non invasive

Summary

ID

NL-OMON48514

Source
ToetsingOnline

Brief title
Cataract surgery & ERM

Condition

- Eye disorders NEC

Synonym
macular epiretinal membrane, macular pucker

Research involving
Human

Sponsors and support

Primary sponsor: Oogziekenhuis Rotterdam
Source(s) of monetary or material Support: Stichting wetenschappelijk onderzoek

Oogziekenhuis

Intervention

Keyword: Cataract, Epiretinal membrane, Pars plana vitrectomy

Outcome measures

Primary outcome

Progression of ERM and phaco-energy.

Secondary outcome

Stage of ERM (OCT).

Central foveal thickness (CFT; OCT).

Progression of ERM after phacoemulsification.

Presence of CME (OCT).

Visual acuity (Snellen).

Metamorphopsia (M-charts, see Matsumoto et al. 2003).

Indication for vitrectomy and ERM peeling.

Complications.

Study description

Background summary

There is, as yet, no consensus among cataract surgeons and vitreoretinal surgeons with respect to the optimal treatment strategy for patients with cataract and an epiretinal membrane (ERM). For ERM-related symptoms, pars plana vitrectomy (PPV) is usually combined with cataract extraction but when cataract surgery is indicated for these patients, the option of phacovitrectomy, although perhaps equally beneficial for some of them, is less often taken into consideration.

Study objective

To quantify progression of macular ERM, and the degree of correlation with phaco-energy, after phacoemulsification.

Study design

Prospective observational.

Study burden and risks

Participants do not benefit, risks and inconvenience are negligible.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adults (18-64 years)

Inclusion criteria

Age >= 50 years.
Informed consent.
Senile cataract and idiopathic macular epiretinal membrane, stage 1, 2 or 3, on OCT.

Exclusion criteria

Secondary macular ERM.
Diabetic retinopathy or other vascular retinopathy.
Pseudoexfoliation syndrome.
Advanced glaucoma (with visual field defects).
Any ocular opacity that may prevent reliable OCT scans.
Any kind of maculopathy such as pucker and severe (subjective) metamorphopsia.

Study design

Design

Study type: Observational non invasive

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

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	16-08-2019
Enrollment:	120
Type:	Actual

Ethics review

Approved WMO

Date:	25-04-2019
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	NL69328.078.19