Light adaptation in Glaucoma-The influence of dynamic light conditions on visual function

No registrations found.

Ethical review	Not applicable
Status	Other
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON29472

Source
Nationaal Trial Register

Brief title
Light adaptation in Glaucoma

Health condition

Glaucoma

Sponsors and support

Primary sponsor: University Medical Center Groningen (UMCG)
Source(s) of monetary or material Support: University Medical Center Groningen (UMCG)

Intervention

Outcome measures

Primary outcome

Measurement of contrast sensitivity on a time varying background.

Secondary outcome

Temporal modulation fquequencies

Study description

Background summary

To determine the influence of dynamic light conditions on visual functioning in glaucoma. For this purpose we measure (1) the contrast sensitivity to a small stimulus at a time-varying background luminance and (2) the critical fusion frequency (CFF), which is the highest frequency of flicker that can be distinguished from steady state (temporal sensitivity), as a function of background luminance.

Study objective

The objectives of this study is to determine The influence of dynamic light conditions on visual function of glaucoma patients.

Study design

Cross-sectional

Intervention

None

Contacts

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Eligibility criteria

Inclusion criteria

Glaucoma patients (age 40-70) from the outpatient clinic ophthalmology UMCG, who provide written informed consent.
Healthy subjects (age 18-70) who have signed in, without ophthalmic abnormalities and provide written informed consent.

Exclusion criteria

- Visual acuity below 1.0 (below 50 years of age) or below 0.8 (above 50 years of age).

- Visual field defects not caused by glaucoma

Healthy subjects:

- Subjects with an eye disease.

- Subjects with a first degree relative with glaucoma, or with high eye pressure in the past.

- Visual acuity below 1.0 (below 50 years of age) or below 0.8 (above 50 years of age).

- Visual field defects which are not understood

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other

Control: N/A , unknown

Recruitment

NL
Recruitment status: Other

Start date (anticipated):	01-08-2017
Enrollment:	60
Type:	Unknown

Ethics review

Not applicable
Application type: Not applicable

Study registrations

Followed up by the following (possibly more current) registration

ID: 45610
Bron: ToetsingOnline
Titel:

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

No registrations found.

In other registers

Register	ID
NTR-new	NL6342
NTR-old	NTR6526
CCMO	NL61403.042.17
OMON	NL-OMON45610

Study results