Supra-threshold versus full-threshold perimetry

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Interpretation of the degree of glaucomatous damage based on supra-threshold testresults, by relating it to the Mean Deviation of HFA24-2 SITA Standard perimetry.

Ethical review	Approved WMO
Status	Pending
Health condition type	Glaucoma and ocular hypertension
Study type	Observational non invasive

Summary

ID

NL-OMON31802

Source
ToetsingOnline

Brief title
Supra-threshold versus full-threshold perimetry

Condition

- Glaucoma and ocular hypertension

Synonym
glaucoma

Research involving
Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Groningen
Source(s) of monetary or material Support: Intern onderzoeksbudget afdeling oogheelkunde UMCG.

Intervention

Keyword: comparison, full-threshold, glaucoma, supra-threshold

Outcome measures

Primary outcome

Print-outs of the visual fields (VF):

* Supra-threshold VF: number of missed points.

* HFA24-2 SITA Standard VF: "Mean Deviation" parameter.

Secondary outcome

not applicable

Study description

Background summary

Supra-threshold perimetry is common in population-based studies for glaucoma. There is no literature available to adequately estimate the degree of glaucomatous damage based on supra-threshold testresults.

Study objective

Interpretation of the degree of glaucomatous damage based on supra-threshold testresults, by relating it to the Mean Deviation of HFA24-2 SITA Standard perimetry.

Study design

Cross-sectional comparison of supra-threshold visual field testing to standard full-threshold visual field testing for measuring the degree of glaucomatous damage.

All patients visiting our outpatient department for standard HFA perimetry, will also undergo two supra-threshold (= ST) visual fields of one randomly selected eye.

Supra-threshold test: a custom 52-pts grid in HFA24-2 pattern.
Full-threshold test: HFA24-2 SITA Standard.

Additional data will be acquired from the patients records:
age
gender
visual acuity
eye (right / left)
refractive error
optic nerve head aspect

Study burden and risks

Minimal burden (2x5 minutes) during an already scheduled visit to our outpatient clinic.

No risks.

Applies to glaucoma patients and glaucoma suspects who are already being monitored with threshold perimetry, therefore, there is no risk involved of unexpected findings (e.g. detecting disease in a previously healthy individual).

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

Glaucoma patients or glaucoma suspects that visit our outpatient department for perimetry.

Exclusion criteria

Best corrected Visual Acuity < 0.5 caused by non-glaucomatous pathology
Visual Field Loss caused by non-glaucomatous pathology

Study design

Design

Study type: Observational non invasive

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

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	01-06-2007
Enrollment:	200
Type:	Anticipated

Ethics review

Approved WMO

Application type:	First submission

Review commission: METC Universitair Medisch Centrum Groningen (Groningen)

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	NL17606.042.07