# 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)

# Study burden and risks

optic nerve head aspect

refractive error

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**

#### **Public**

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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

# **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