

# Causes, risk factors, complications and treatment of uveitis in childhood

Published: 06-10-2008

Last updated: 06-05-2024

First, to develop a diagnostic method for non-infectious uveitis in childhood. Second, to analyze iris and ciliary body tissues of children with uveitis on the presents of inflammatory infiltrate. The results of this study will contribute in the...

<b>Ethical review</b>	Not approved
<b>Status</b>	Will not start
<b>Health condition type</b>	Anterior eye structural change, deposit and degeneration
<b>Study type</b>	Observational invasive

## Summary

### ID

NL-OMON32456

### Source

ToetsingOnline

### Brief title

uveitis in childhood

### Condition

- Anterior eye structural change, deposit and degeneration
- Autoimmune disorders

### Synonym

intraocular inflammation

### Research involving

Human

### Sponsors and support

**Primary sponsor:** Universitair Medisch Centrum Utrecht

**Source(s) of monetary or material Support:** Dr. F.P. Fischer-Stichting

## Intervention

**Keyword:** aqueous humor, child, juvenile idiopathic arthritis, uveitis

## Outcome measures

### Primary outcome

First, protein profiles in the aqueous humor of children with uveitis. Second, inflammatory infiltrates in tissue fragments of iris and ciliary body of children with uveitis.

### Secondary outcome

na

## Study description

### Background summary

Specific knowledge about cause and treatment of uveitis in childhood is for the present inadequately available in literature since uveitis in childhood is rare.

### Study objective

First, to develop a diagnostic method for non-infectious uveitis in childhood. Second, to analyze iris and ciliary body tissues of children with uveitis on the presents of inflammatory infiltrate. The results of this study will contribute in the diagnostics of uveitis in childhood and in clarifying the pathogenesis of uveitis in childhood.

### Study design

We will analyze the relation between protein profiles in the aqueous humor and the type of uveitis. Furthermore, tissue fragments of the iris and ciliary body of children with uveitis, who are operated on for secondary glaucoma, will be analyzed on the presence of inflammatory infiltrates. The tissue characteristics will be related to the cause of the intraocular inflammation and visual prognosis.

## Study burden and risks

The treatment and therapy of the patients remains unchanged. Material will only be collected during a therapeutically necessary glaucoma or cataract surgery. Aqueous humor and possibly tissue fragments, which otherwise would be lost during surgery, will be collected. The cataract or glaucoma surgery will remain unchanged. When the child is under general anesthesia a venous puncture (10ml) under sterile circumstances will be performed. The patient will not notice anything due to the anesthetics.

## Contacts

### Public

Universitair Medisch Centrum Utrecht

Heidelberglaan 100  
3584 CX Utrecht  
Nederland

### Scientific

Universitair Medisch Centrum Utrecht

Heidelberglaan 100  
3584 CX Utrecht  
Nederland

## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adolescents (12-15 years)  
Adolescents (16-17 years)  
Children (2-11 years)

## Inclusion criteria

Uveitis diagnosed before the age of 16 and cataract or glaucoma surgery

## Exclusion criteria

Uveitis diagnosed after the age of 16

## Study design

### Design

Study type:	Observational invasive
Intervention model:	Other
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active
Primary purpose:	Basic science

### Recruitment

NL	
Recruitment status:	Will not start
Enrollment:	75
Type:	Anticipated

## Ethics review

Not approved	
Date:	06-10-2008
Application type:	First submission
Review commission:	METC Universitair Medisch Centrum Utrecht (Utrecht)

## 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	NL24801.041.08