

# Optical treatment of nystagmus

<b>Submission date</b> 08/07/2010	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 11/08/2010	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 02/06/2015	<b>Condition category</b> Eye Diseases	<input type="checkbox"/> Individual participant data

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

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## Additional identifiers

**Protocol serial number**  
Version 1

## Study information

**Scientific Title**  
A quantitative study comparing hard and soft contact lenses to spectacles on changes in nystagmus oscillations

**Study objectives**

Our hypothesis is that nystagmus can be improved with contact lens wearing. The specific research questions are:

1. Do contact lenses reduce nystagmus and improve vision compared to spectacle wearing?
2. Are hard contact lenses better than soft contact lenses for reducing nystagmus and improving vision in nystagmus?

### **Ethics approval required**

Old ethics approval format

### **Ethics approval(s)**

Leicestershire, Northamptonshire and Rutland Research Ethics Committee 1, 06/07/2010, ref: 10/H0406/40

### **Study design**

Randomised single-centre unmasked cross-over study

### **Primary study design**

Interventional

### **Study type(s)**

Treatment

### **Health condition(s) or problem(s) studied**

Nystagmus

### **Interventions**

Patients will take part in the trial for a total duration of 8 weeks. This will comprise of 2 weeks of spectacle wear followed by 2 weeks of hard or soft contact lens wear. The next 2 weeks the patients will be wearing the opposite type of contact lens to those prescribed previously and then finally 2 weeks of spectacle wear again. Details of each visit are below:

Visit 1: Optimal refraction determined and glasses prescribed and contact lenses fitted and ordered followed by EXAMINATION 1

Day 1 - 14: Spectacle wearing (minimum of 14 days)

Visit 2 (day 14): EXAMINATION 2 followed by contact lens type 1

Day 15 - 28: Contact lens type 1 wearing

Visit 3 (day 28): EXAMINATION 3 followed by contact lens type 2

Day 29 - 42: Contact lens type 2 wearing

Visit 4 (day 42): EXAMINATION 4 followed by spectacle wearing

Day 43 - 56: Spectacle wearing

Visit 5 (day 56): EXAMINATION 5

### **Intervention Type**

Other

### **Phase**

Not Applicable

### **Primary outcome(s)**

Changes in nysatgmus intensity measured with eye movement recordings, measured at baseline, day 14, day 28, day 42 and day 56.

### **Key secondary outcome(s)**

Measured at baseline, day 14, day 28, day 42 and day 56:

1. Changes in LogMAR (chart) visual acuity at 4M (with head free)
2. Changes in LogMAR (chart) visual acuity at 0.4M (with head free)
3. Change in gaze dependant visual acuity at 4M
4. Change in nystagmus intensity, NAFX function and reading speed will be evaluated from the eye movement recordings at different fixation points across the horizontal plane
5. Subjective changes in visual function evaluated with the VFQ25

### **Completion date**

01/09/2012

## **Eligibility**

### **Key inclusion criteria**

Infantile nystagmus over the age of 16 years, either sex

### **Participant type(s)**

Patient

### **Healthy volunteers allowed**

No

### **Age group**

Adult

### **Sex**

All

### **Key exclusion criteria**

1. Currently involved in surgical or pharmacological trials for the treatment of nystagmus
2. Previous corneal trauma or intolerance to contact lens wearing

### **Date of first enrolment**

01/09/2010

### **Date of final enrolment**

01/09/2012

## **Locations**

### **Countries of recruitment**

United Kingdom

England

### **Study participating centre**

**University of Leicester**  
Leicester  
United Kingdom  
LE2 7LX

## Sponsor information

### Organisation

University of Leicester (UK)

### ROR

<https://ror.org/04h699437>

## Funder(s)

### Funder type

University/education

### Funder Name

University of Leicester (UK)

### Alternative Name(s)

UniofLeicester, UoL

### Funding Body Type

Private sector organisation

### Funding Body Subtype

Universities (academic only)

### Location

United Kingdom

## Results and Publications

### Individual participant data (IPD) sharing plan

### IPD sharing plan summary

### Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
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[Results article](#)

results

01/09/2014

Yes

No