

Providing glaucoma information as per clinical standard

Submission date 22/09/2017	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 21/11/2017	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 11/07/2018	Condition category Eye Diseases	☐ Individual participant data

Plain English summary of protocol

Background and study aims

Glaucoma is an eye condition where the nerve that connects the eye to the brain is damaged, leading to vision loss. Once sight is lost through glaucoma it cannot be got back so stopping sight loss in patients with glaucoma is important. One way in which doctors, opticians and nurses can help patients is to teach them about their glaucoma so that patients know how and have the skills to look after their eyes in the best way possible. This study aims to find out how much information on glaucoma is given to patients in glaucoma clinics held by nurses and how nurses could best give information about taking care of their eyes.

Who can participate?

Adults aged 18 and older who have glaucoma

What does the study involve?

Participants attend two session education programmes on week apart. The educational sessions include how to best take care of their glaucoma. Participants are assessed for their knowledge of glaucoma and their adherence to treatment before and after the educational programmes.

What are the possible benefits and risks of participating?

Participants will benefit from having learnt more about glaucoma and what they can do to help themselves. Nurses will benefit as they will expand their range of patient teaching options. There are no risks of this study apart from the burden of time for the nurses in learning and giving the patient classes and to the patients in terms of finding the time to attend.

Where is the study run from?

1. Royal Liverpool University Hospital (UK)
2. New Cross Hospital (UK)
3. Abergele Hospital (UK)

When is the study starting and how long is it expected to run for?

February 2011 to December 2014

Who is funding the study?
International Glaucoma Association (UK)

Who is the main contact?
Professor Heather Waterman
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Contact information

Type(s)
Scientific

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Additional identifiers

Study information

Scientific Title
Group based patient education delivered by nurses to meet a clinical standard for glaucoma information provision: the G-TRAIN feasibility study

Acronym
GTrain study

Study objectives
The aim of this study is to understand current provision of information during routine nurse-led glaucoma consultations, to investigate if it is possible to deliver patient information in-line with a clinical standard by training nurses to deliver group based education in multiple hospital sites, and to explore the acceptability of group based education to nurses and patients compared with usual information provision in consultations.

Ethics approval required
Old ethics approval format

Ethics approval(s)

Primary study design

Interventional

Study design

Quantitative and qualitative sequential design study

Study type(s)

Other

Health condition(s) or problem(s) studied

Glaucoma

Interventions

People diagnosed with glaucoma within the previous 12 months attending a regional ophthalmology clinic in the North West of England are recruited. Participants receive a group based patient education called "GTrain" which has been developed to train healthcare professionals so that they can deliver group based education to patients about glaucoma which will help them to manage their condition appropriately. The programme is a two-session education programme is delivered one week apart. A combined adult learning and health needs approach to education is taken.

Registered nurses who had received training in the delivery of the intervention deliver the programme. The training consisted of a two day interactive workshop in which the structure and content of the 'Get a grip on your glaucoma' course was covered. Participants receive the programme face to face in a group. Participants have the opportunity to get individualised advice offered at the end of the group intervention. The intervention was delivered in a room on the hospital site of where the nurses worked.

Outcomes measured were knowledge of glaucoma, self-report of adherence, illness perception, beliefs about medicines, patient enablement, and general health. Adherence was also measured objectively using a Medical Events Monitoring System device.

Intervention Type

Behavioural

Primary outcome(s)

The information provided to patients during routine nursing glaucoma appointments is measured using the Provision of Vision Information Measurement Too at baseline and after programme.

Key secondary outcome(s)

There are no secondary outcome measures.

Completion date

16/12/2014

Eligibility

Key inclusion criteria

1. Patients with chronic open angle glaucoma (COAG)
2. Ocular hypertension (OHT) or normal tension glaucoma
3. Prescribed ocular hypotensive eye drops
4. Aged over 18 years
5. Able to understand English to be able to give consent or have an interpreter

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 Years

Sex

All

Key exclusion criteria

1. Diagnosis of angle closure glaucoma or diabetic retinopathy
2. Not prescribed ocular medication

Date of first enrolment

31/12/2012

Date of final enrolment

17/10/2014

Locations**Countries of recruitment**

United Kingdom

England

Wales

Study participating centre

Royal Liverpool University Hospital

Prescot Street

Liverpool

United Kingdom

L7 8XP

Study participating centre
New Cross Hospital
Wolverhampton Road
Wolverhampton
United Kingdom
WV10 0QP

Study participating centre
Abergele Hospital
Llanfair Road
Abergele
United Kingdom
LL22 8DP

Sponsor information

Organisation
University of Manchester

ROR
<https://ror.org/027m9bs27>

Funder(s)

Funder type
Charity

Funder Name
International Glaucoma Association

Alternative Name(s)
IGA

Funding Body Type
Private sector organisation

Funding Body Subtype
Associations and societies (private and public)

Location
United Kingdom

Results and Publications

Individual participant data (IPD) sharing plan

The data sharing plans for the current study are unknown and will be made available at a later date.

IPD sharing plan summary

Data sharing statement to be made available at a later date

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	03/07/2018		Yes	No