

Effect of prophylactic Brimonidine instillation on bleeding during Strabismus surgery in adults

Submission date 03/04/2007	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 13/04/2007	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 11/08/2008	Condition category Eye Diseases	☐ 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
1

Study information

Scientific Title

Acronym

BS

Study objectives

Topical brimonidine administration before strabismus surgery reduced intraoperative bleeding and postoperative subconjunctival haemorrhage in adult patients.

Ethics approval required

Old ethics approval format

Ethics approval(s)

There was no Institutional Review Board (IRB) at the time of studying. The IRB of our institute was established in 2006, but this study was performed from 2004 to 2005, and our IRB does not approve already completed studies.

All participants understood the procedure exactly and gave informed consent, and the Helsinki declaration and all federal laws were followed.

Study design

Randomised comparative interventional case series

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Strabismus

Interventions

Patients were instilled with either a single drop of brimonidine-purite 0.15%, phenylephrine 1% or sodium hyaluronate 0.1% 15 minutes prior to strabismus surgery.

Intervention Type

Drug

Phase

Not Specified

Drug/device/biological/vaccine name(s)

Brimonidine, phenylephrine, sodium hyaluronate

Primary outcome(s)

Intraoperative bleeding and postoperative subconjunctival haemorrhage were graded on a scale of one to three. Intraoperative bleeding was scored during the surgery, postoperative subconjunctival haemorrhage was graded four hours after surgery.

Key secondary outcome(s)

Cardiovascular complications and angle-closure glaucoma attack were reported during all follow up periods.

Completion date

04/05/2007

Eligibility**Key inclusion criteria**

Adult patients who underwent strabismus surgery under topical anaesthesia.

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

Patients who had received prior ocular surgery were excluded.

Date of first enrolment

10/01/2004

Date of final enrolment

04/05/2007

Locations**Countries of recruitment**

Korea, South

Study participating centre

Institute of Vision Research

Seoul

Korea, South

135-720

Sponsor information

Organisation

Yonsei University College of Medicine (South Korea)

ROR

<https://ror.org/01wjejq96>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

Yongdong Severance Hospital (South Korea)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	Results	01/09/2007		Yes	No