

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

<b>Submission date</b> 03/04/2007	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 13/04/2007	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 11/08/2008	<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

**Contact name**  
Dr Sueng-Han Han

**Contact details**  
Institute of Vision Research  
Department of Ophthalmology  
Yongdong Severance Hospital  
Yonsei University College of Medicine  
146-92 Dokok-dong  
Kangnam-gu  
Seoul  
Korea, South  
135-720  
+82 (0)2 2019 3440  
samini@yumc.yonsei.ac.kr

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

## Secondary identifying numbers

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

## Secondary study design

Randomised controlled trial

## Study setting(s)

Hospital

## Study type(s)

Treatment

## Participant information sheet

## 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 measure**

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.

**Secondary outcome measures**

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

**Overall study start date**

10/01/2004

**Completion date**

04/05/2007

**Eligibility****Key inclusion criteria**

Adult patients who underwent strabismus surgery under topical anaesthesia.

**Participant type(s)**

Patient

**Age group**

Adult

**Sex**

Both

**Target number of participants**

90

**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)

## Sponsor details

146-92 Dogok-dong

Kangnam-gu

Seoul

Korea, South

135-720

samini@yumc.yonsei.ac.kr

## Sponsor type

Hospital/treatment centre

## ROR

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

# Funder(s)

## Funder type

Hospital/treatment centre

## Funder Name

Yongdong Severance Hospital (South Korea)

# Results and Publications

## Publication and dissemination plan

Not provided at time of registration

## Intention to publish date

## 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?
<a href="#">Results article</a>	Results	01/09/2007		Yes	No