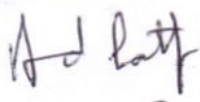
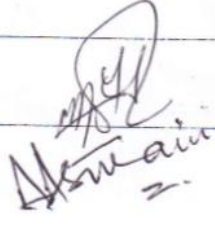


## Aga Khan University Hospital

<b>Title:</b>	Dilating Drops Administration Protocol for Ophthalmology Surgery		
<b>Department / Division:</b>	SDC Suite / SDC OR		
<b>Approved By:</b>		<b>Document No.:</b>	OR-PP-013
Chair, Department of Anesthesiology		<b>Issuance Date:</b>	August, 2003
Department Chief, Ophthalmology		<b>Revision Date:</b>	August 10, 2021
Nurse Manager, Department of Anesthesiology		<b>Revision No.:</b>	05
		<b>Prepared By :</b>	-
		<b>Total Pages:</b>	Page 1 of 4

1. **Purpose:**

- 1.1. To prepare patient preoperatively for surgery by dilating pupils.
- 1.2. To prevent post-operative infections.
- 1.3. To prevent the usage of expired eye drops and related complications.
- 1.4. To provide guidelines for effective patient preparation.

2. **Scope:**

All patients scheduled for ophthalmic surgery.

3. **Responsibility:**

All medical personnel (surgery team in SDC OR and medical officers based at SDC Suite and Nursing staff.

4. **Terms and Definitions:**

- 4.1. SDC: Surgical Day Care
- 4.2. OR: Operating Room

5. **Process / Procedure:**

- 5.1. Assigned nurse will ensure to instill the following eye drops for ophthalmic surgery:
  - 5.1.1. Mydriacyl eye drops 1%
  - 5.1.2. Mediphrine eye drops 10%
  - 5.1.3. Mediphrine eye drops 2.5% for child less than 1 year of age
  - 5.1.4. Medriacyl eye drops 0.5% for child less than 1 year of age

- 5.2. Assigned nurse will follow six rights of medication administration, which are:
  - 5.2.1. Right drug
  - 5.2.2. Right dose
  - 5.2.3. Right patient
  - 5.2.4. Right time
  - 5.2.5. Right route
  - 5.2.6. Right documentation
- 5.3. After the patient is registered at the SDC Suite, instill 1-2 drops of dilating drops-(Mediphrine and Medriacyl) medication at the time of pre-operative assessment.
- 5.4. If the patient waits in SDC Suite; to ensure the proper dilation of pupil the drops will be administered at an interval of 15 minutes for initial 3 times and then at the interval of 30 minutes till the patient eye is dilated or the patient is called for surgery to pre-operative area.
- 5.5. The dilating drops will be continued in pre-operative area every 15 minutes.
- 5.6. Documentation will be done for initial drop administration and the dilation process will be continued for every 15 minutes till the pupil dilates.
- 5.7. Assigned nurses should be aware about the indications.
- 5.8. Assigned nurses will ensure to check the manufacturing and expiry date or any discoloration before instilling the eye drops,
- 5.9. Assigned nurse will label the opening and expiry date (i.e., 24 hours) with nurse initials after while opening the new drops.
- 5.10. If drops are used for the purpose of Intravitreal (antibiotic & steroid) injection/any infected case, then they shall be discarded after use and shall not be continued for any other patient.
- 5.11. In case of touching of dropper nob with patient lid or cornea, discard the vial.
- 5.12. Assigned nurse will ensure daily procurement of floor stock of eye drops as per department needs.

6. **Reference:**

- 6.1. Vancouver Island Health authority. Before during and after your cataract surgery: 2012.Pages 1-24 [www.viha.ca/NR/rdonlyres](http://www.viha.ca/NR/rdonlyres) accessed February 20, 2015
- 6.2. ALCON. How to prepare for eye surgery: 2013.Pages 1-4 [www.alcon.com](http://www.alcon.com) accessed February 20, 2015

- 6.3. Grob, S.Gonzalez,L.Daly.M.Clinical Ophthalmology. Management of mydriasis and pain in cataract and intraocular lens surgery: review of current medications and future directions: 2014(8). Pages 1281-1289 www.dovepress.com accessed February 20, 2015 developed in collaboration with eye surgeons since 2003.

7. **Annexures:**

Indications for dilating pupils

Dilate Eye/Eyes in following cases (without confirmation of doctor):

1. Secondary P/C IOL
2. Indirect laser
3. Intravitreal (antibiotic & steroid) injection
4. Vitrectomy (any type)
5. Lens aspiration + vitrectomy
6. Phaco + IOL
7. Scleral buckle
8. Removal of silicon oil (ROSO)
9. Pneumatic Retinopexy (cryo/gas)
10. Capsulectomy (ask surgeon)
11. Injection Avastin, Lucentis and Eyelea (Except for Dr. Salim Maher and Dr. Haroon Tayyab)
12. All types of children with ROP (Retinopathy of prematurity) should be dilated with eye drops according to surgeon recommendation.

In following cases surgeon will specify whether to dilate or constrict the pupil.

1. Corneal transplant + Phaco + IOL
2. Phaco-IOL + Trabeculectomy + MMC 0.02%
3. EUA (Dilate both eyes and instill Cyclogel 1% eye drops)
4. Secondary A/C IOL
5. AC wash out

Don't Dilate Eye/Eyes in following cases:

1. Trabeculectomy + MMC 0.02% or 5fu (pupil constrict + pilocarpine)
2. Conjunctival adhesion removal
3. Corneal graft (PKP) penetrating keratoplasty
4. Primary repair of globe (perforated globe)
5. Pterygium excision + MMC
6. Squint correction surgery
7. Evisceration (removal of internal organ)
8. Chalazion incision
9. Enucleating Biopsy of conjunctive.
10. Syringing & probing
11. Excision of cyst blepharoplasty
12. DCR with TUBE
13. Entropion correction

- 14. Cyclocryo therapy
- 15. T.S.C.P.C trans scleral cryo photo coagulation

**NOTE:**

Please confirm with concerned doctors, for any other type of cases (out of list).

Patients for less than one year of age dilate eye/eyes with half strength of dilating drops.

**8. Document Change Record:**

<b>Review #</b>	<b>Review Date (dd-mm-yyyy)</b>	<b>Description of Change</b>	<b>Identification of Change</b>
3	21-04-2015	Change in New Format Modifications made in process/ procedure	Clause # 5
4	10-02-2016	Formatting as per service line. Change in document no.	
5	10-08-2021	Changes in document	