





OLOPAT-DS

Olopatadine 0.2%

Physician's sample
Not for sale



Sterile Ophthalmic
Solution



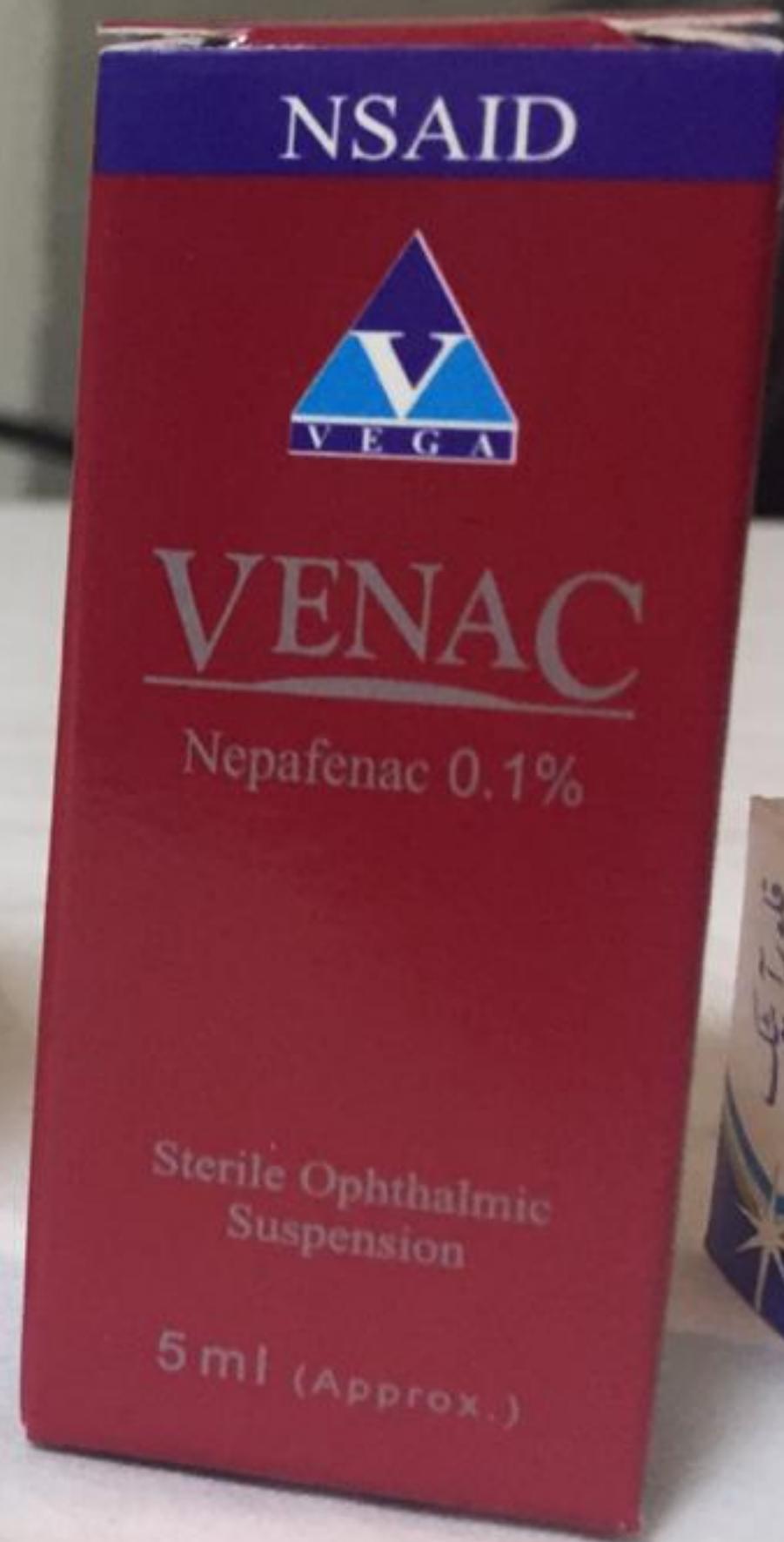
ALLERGAN

Blephamide®

LIQUIFILM™

OPHTHALMIC
SUSPENSION

STERILE 5 ml



 ALLERGAN

Blephamide®

LIQUIFILM™

OPHTHALMIC
SUSPENSION

STERILE 5 ml



Rocip
(Ciprofloxacin)

EYE DROPS

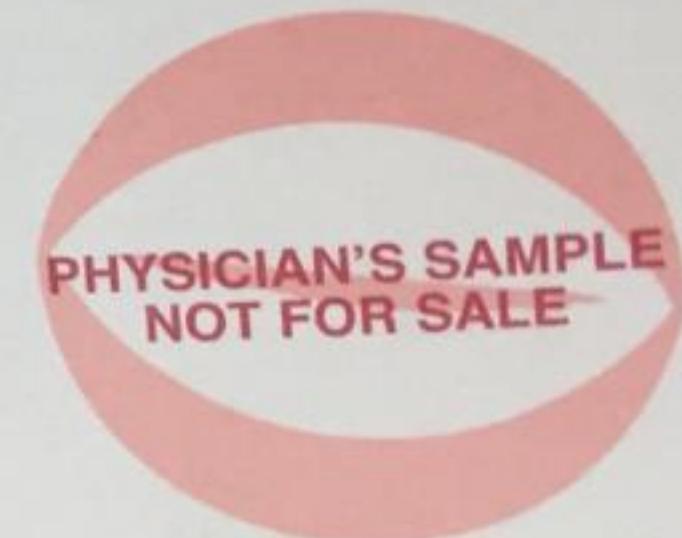
 PHYSICIAN'S SAMPLE
NOT FOR SALE

STERILE OPHTHALMIC
SOLUTION

Manufactured by:
REMINGTON PHARMACEUTICAL INDUSTRIES (PVT.) LTD.
18 Km Multan Road, Lahore - Pakistan

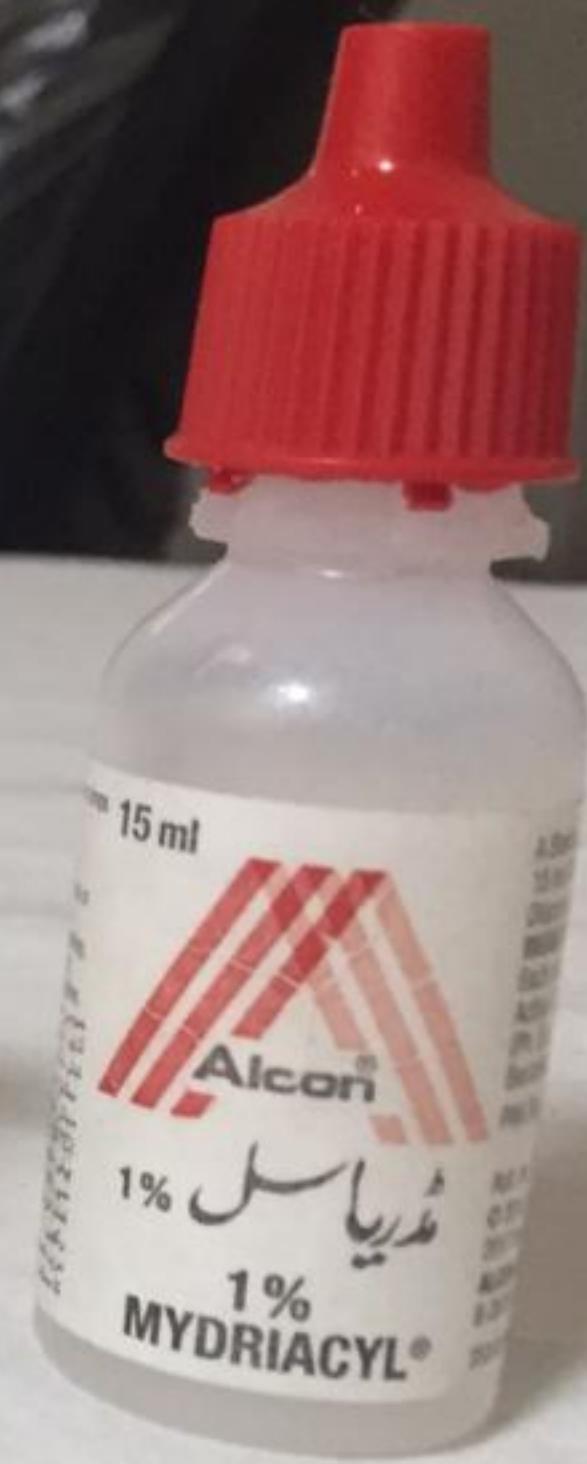


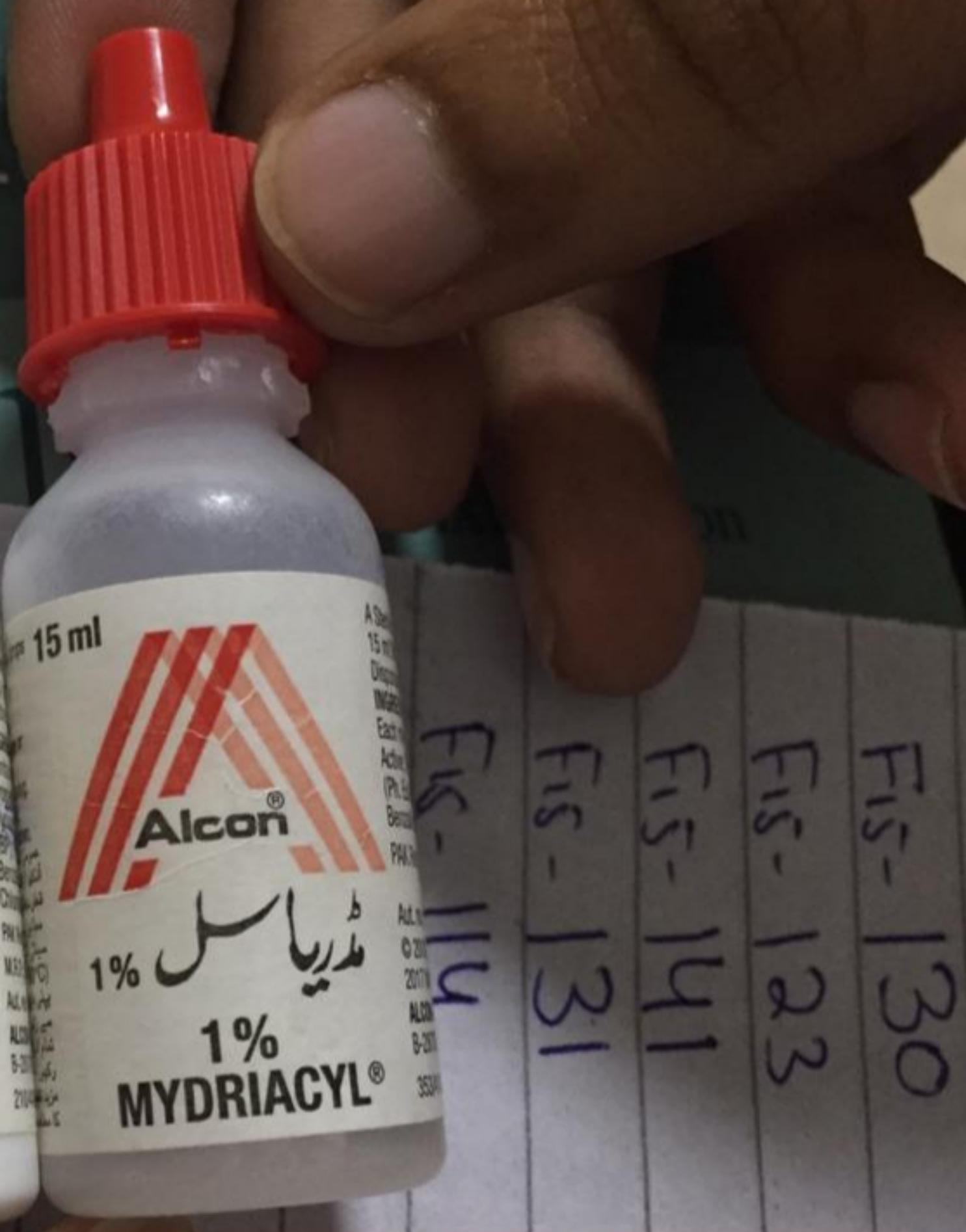
Blotim 0.5%
(Timolol) Maleate
EYE DROPS

 PHYSICIAN'S SAMPLE
NOT FOR SALE

STERILE OPHTHALMIC
SOLUTION

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used to widen (dilate) the pupil of the eye in preparation for certain eye examinations. It belongs to a class of drugs known as anticholinergic

same as Cyclopentolate

acts in the eye to block the action of acetylcholine, and accommodation ciliary muscle of lens



F5
ES - 140
1326



phenylephrine acts directly on α -adrenergic receptors in the eye, producing contraction of the dilator muscle of the pupil and constriction of the arterioles in the conjunctiva.



Tropicamide is a synthetic muscarinic antagonist with actions similar to atropine and with an anticholinergic property. Upon ocular administration, tropicamide binds to and blocks the muscarinic receptors in the sphincter and ciliary muscle in the eye. Dilates pupil

anticholinergic

block the response of sphincter muscles of iris and accommodative muscles of ciliary body, to stimulation by ACH

Dilation of the pupil (mydriasis) and paralysis of accommodation

last ups 24hrs





proparacaine is a topical anesthetic drug

last from 15 min or more

Na channel Blocker

① Side effects Tropicamide

- > light sensitivity ↑
- > Headache
- > blurred vision.

uses

- > pupil dilation.
- > cataract surgery.
- > laser application
- > Refractive disorder
- > Uveitis

4-5 hours

② cyclopentolate (accommodation block)

M₁ Receptor block.
α₁, α₂ receptor act

- {-> burning of eye
- {-> miosis
- > light sensitivity ↑
- > Fainting.

uses

- > cycloplegia.
- > Refraction in children.

long

Alcaine DEDICATED

③ Aikar (Proparacaine)

→ act as local anaesthetic! Na channels blockers.

uses

Anesthesia.

- + To my parents and teachers, for their prayers.
- + To my children: Dr. Asma, Dr. Asadullah, Dr. Kulsoom & Eng. Samiullah, for their patience.

- {-> Redness
- {-> light sensitivity ↑
- {-> watering of eye
- {-> photophobia

To all my students, for their encouragement.

④ Ephedrine / Phenylephrine

→ constrict blood vessels
and dilate pupil.

uses

Corneal opacity

- {-> Increased light ↑
- {-> Headache
- {-> dryness

Iris shadow

- Immature
- Hypermature

6th Edition:



Wire vectis

dents to help them understand
n diagnosis and management of
ndergraduate medical studies.

Investigation, treatment and

Eye, Pupil, Orbit, Ocular injuries, and





Wire speculum

Clinical Ophthalmology Text & Atlas

Clinical Ophthalmology-Text & Atlas is particularly designed for undergraduate students. This new edition comes up with the details of recent advances in various eye diseases and it almost covers the entire curriculum of ophthalmology for under-

Key Features of 6th Edition:

Revision of each chapter to keep abreast of newer concepts and principles of investigation and surgical procedures in various eye diseases.

Addition of new topics in chapters on Cornea, Uvea, Retina, Glaucoma, Optic nerve, Strabismus.

Included over 580 photographs in chapters with color plates to highlight and augment clinical features.

New chapter on systemic drugs with ocular side effects.

Incisional surgical procedures to build proper concept.

Lucid step-by-step account of important surgical procedures to build proper concept.

About the Author

Mr. Shafi M. Jatoi passed FCPS Ophthalmology in 1990 from College Of Physicians and Surgeons, Lahore. He did his post-graduate training in Dow Medical College, now Dow University of Health Sciences. He is currently working as Director Academics, Liaison Officer and Researcher at Dow University of Health Sciences.

Ophthalmology Text & Atlas

Needle holder

My-Text & Atlas is particularly designed for undergraduate students to help them. This new edition comes up with the details of recent advances in diagnosis and management and it almost covers the entire curriculum of ophthalmology for undergraduate medical students.

dition:

pter to keep abreast with newer concepts and principles of investigation, treatment and management of various eye diseases.

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FCPS Ophthalmology in 1990 from College Of Physicians and Surgeons, Pakistan and Dow Medical College, now Dow University of Health Sciences. He has served as Professor, Chairman, Department of Ophthalmology & Director Academics, Liaquat University of Medical Sciences, Jamshedpur. He is still a regular examiner of DO, MS, MCPS and FCPS examinations in Pakistan and abroad.

Iris retractor



Clinical
Ophthalmology
Text & Atlas

Clinical Ophthalmology-Text & Atlas is particularly designed for undergraduate students to help them understand this complex subject. This new edition comes up with the details of recent advances in diagnosis and various diseases and it almost covers the entire curriculum of ophthalmology for undergraduate m

Lid
gaurd



Clinical Ophthalmology Text & Atlas

Corneal scissors

ogy-Text & Atlas is particularly designed for undergraduate students to help them understand this new edition comes up with the details of recent advances in diagnosis and management and it almost covers the entire curriculum of ophthalmology for undergraduate medical studies.

Edition:

apter to keep abreast with newer concepts and principles of investigation, treatment and various eye diseases.

pics in chapters on Cornea, Conjunctiva, Retina, Glaucoma, Optic nerve, Pupil, Orbit, Ocular injuries

photographs in chapters and color plates to highlight and augment understanding of the

temic drugs with ocular side effects.

account of important surgical procedures to build proper concepts.

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Clinical Ophthalmology Text & Atlas

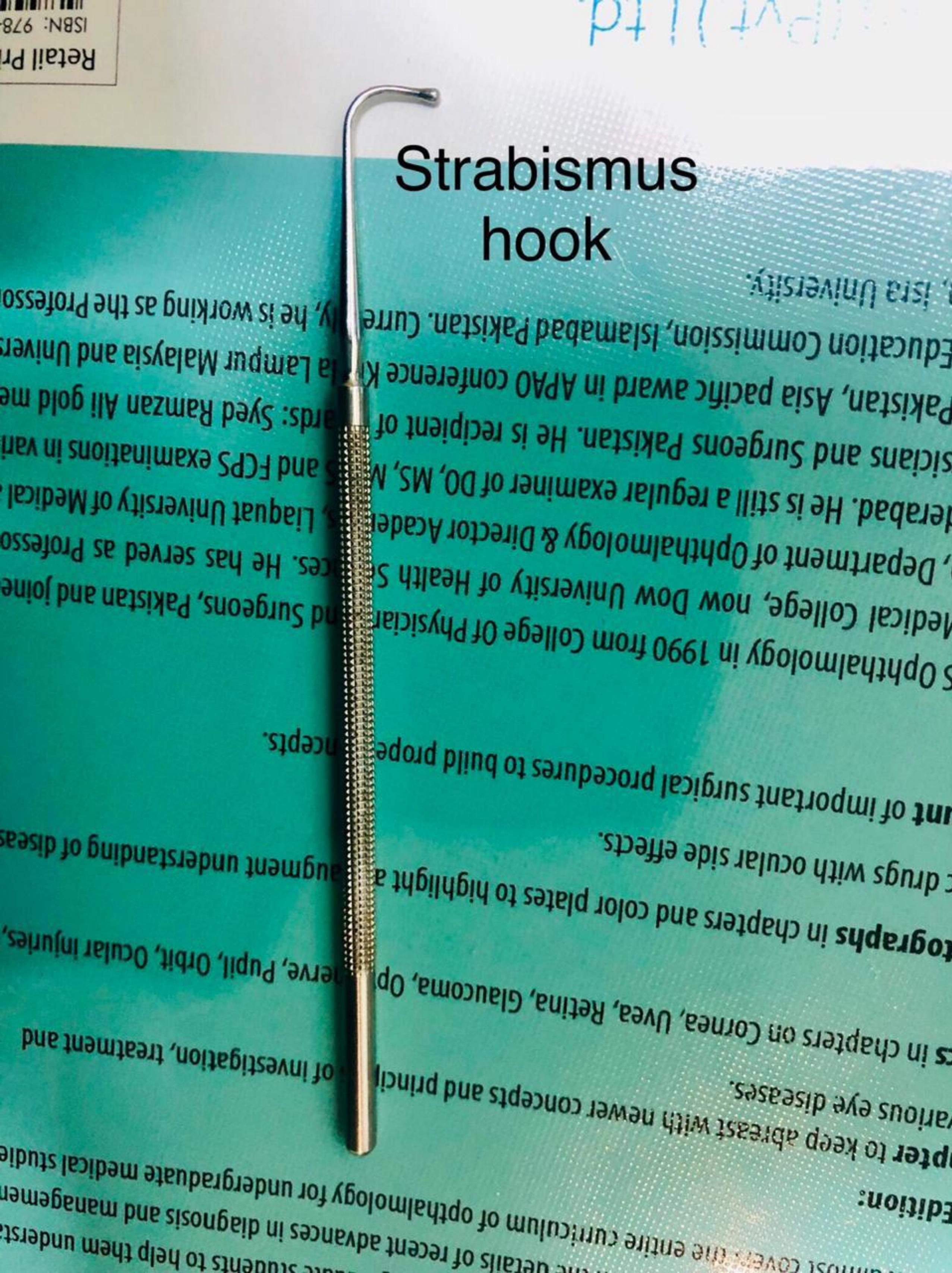
Particularly designed for undergraduate students to help them understand up with the details of recent advances in diagnosis and management of entire curriculum of ophthalmology for undergraduate medical studies.

Punctum dilator

with newer concepts and principles of investigation, treatment and

ea, Uvea, Retina, Glaucoma, Optic nerve, Pupil, Orbit, Ocular injuries, and

... to highlight and augment understanding of diseases



dition: **Strabismus hook**

This entire curriculum of ophthalmology for undergraduate medical students aims to keep abreast with newer concepts and principles of investigation, treatment and various eye diseases.

Books in chapters on Cornea, Uvea, Retina, Glaucoma, Optic nerve, Pupil, Orbit, Ocular injuries, photographs in chapters and color plates to highlight a drug with ocular side effects.

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ISBN: 978-965-221-147-1
Detail Price

Lacrimal Probe



Clinical
Ophthalmology
Text & Atlas

Entropion clamp



Ophthalmology-Text & Atlas is particularly designed for undergraduate students to meet. This new edition comes up with the details of recent advances in diagnosis and management of diseases and it almost covers the entire curriculum of ophthalmology for undergraduate medical studies. It also helps the students to understand the basic concepts of investigation, treatment and prevention of various eye diseases.

Key Features of 6th Edition:

revision of each chapter to keep abreast with new concepts and principles of investigation, treatment and surgical procedures in various eye diseases.

Addition of new topics in chapters on Cornea, Uvea, Retina, Glaucoma, Optic nerve, Pupil, Orbit, Oculoplastics and Strabismus.

included over 580 photographs in chapters and color plates to highlight and augment understanding of concepts.

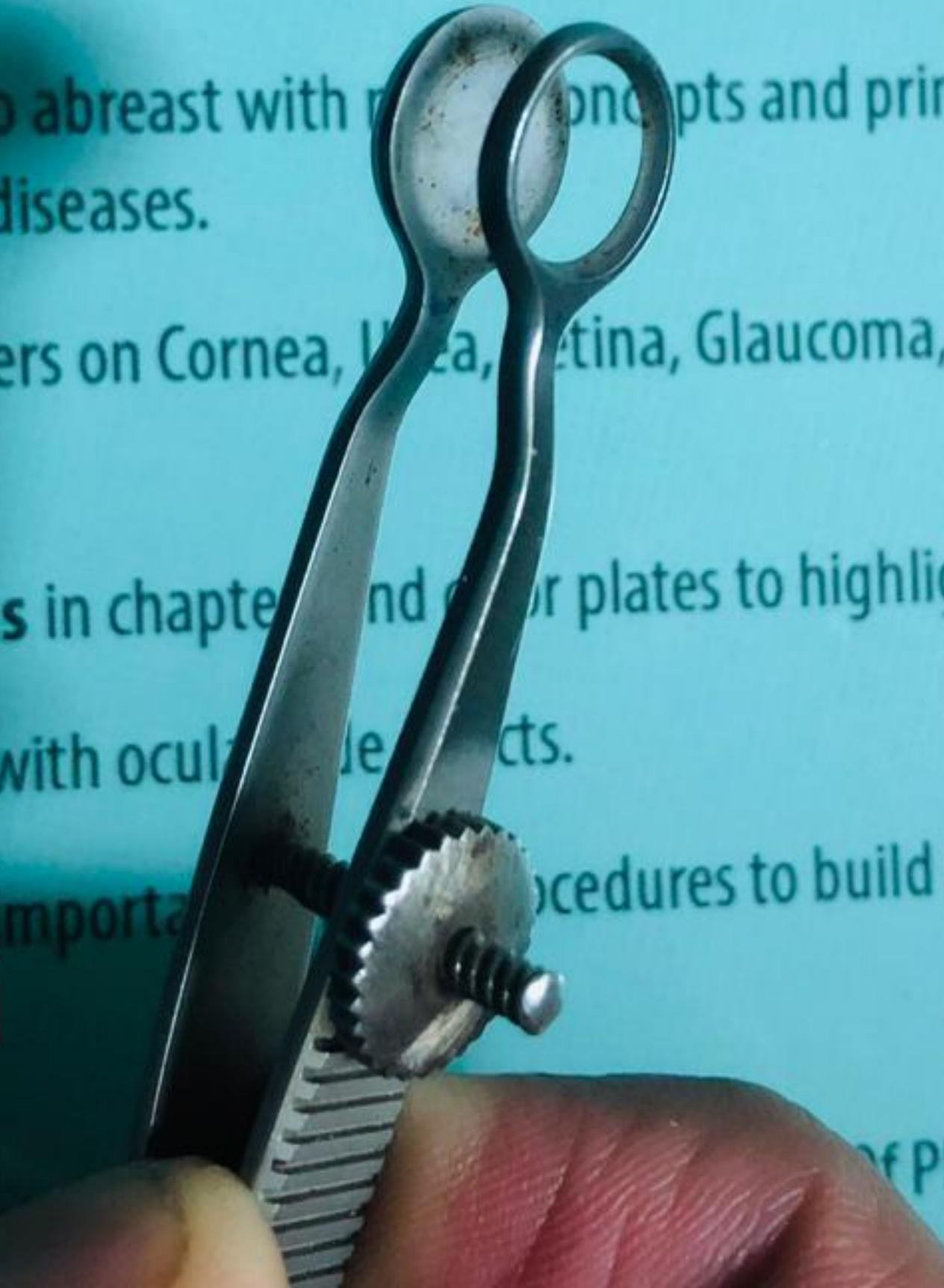
New chapter on systemic drugs with ophthalmic side effects.

Lucid step-by-step account of important procedures to build proper concepts.

Chalazion

About the clamp

Dr. Shafiq M. Jatoi passed his MBBS from Dow Medical College, Karachi and MS in Ophthalmology from the University of Health Sciences. He has served



Chalazion scoop

Clinical
Ophthalmology
Text & Atlas



ogy

IOL forceps

graduate students to help them learn about the latest advances in diagnosis and management of eye diseases. This book is designed to provide a basic knowledge of ophthalmology for undergraduate medical students.

Principles of investigation, treatment, and management of common eye diseases are discussed. The book covers the following topics:

Optic nerve, Pupil, Orbit, Ocular motility, and Standing eye.





Castroviejo's needle holder

Castroviejo's needle holder is a specialized surgical instrument used in ophthalmology. It features a long, thin, curved metal shaft with a textured grip on the handle. The jaws are designed to hold delicate tissue or sutures precisely. This instrument is particularly useful in microsurgery, such as during cataract surgery or retinal detachment repair. The name 'Castroviejo' refers to the inventor of the original design.

1. Suture tying forceps

1 →



2 →

2. Corneal forceps

gY

graduates in undergraduate students to the advances in diagnosis and treatment of eye diseases, undergrada

Two way
irrigation
and
Aspiration
cannula

Clinical Ophthalmology Text & Atlas

particularly designed for undergraduate students to help them understand
comes up with the details of recent advances in diagnosis and management of
the entire curriculum of ophthalmology in undergraduate medical studies.

east with newer concepts and principles of investigation, treatment and
es.

Cornea, Uvea, Retina, Glaucoma, Optic nerve, Pupil, Orbit, Ocular injuries, and

iology
tlas

Chopper

Or
Dialer

undergraduate students to help them understand recent advances in diagnosis and management of ophthalmology for undergraduate medical students.

and principles of investigation, treatment, and

all coma, optic nerve, Pupil, Orbit, Ocular



Blade Holder

Clinical
Ophthalmology
Text & Atlas





conjunctival Forceps



artery Forceps

Fluorescent
Dye Strip



3)

hydrodissection canula



14) lacrimal cannula



7) Spring scissors



retrobulbar
hemorrhage
cardiac arrest
cardiac failure
respiratory failure
optic atrophy

extracapsular cataract extraction
surgery
phacoemulsification femtosecond
laser surgery
small manual extraction surgery
conventional extracapsular
cataract extraction surgery

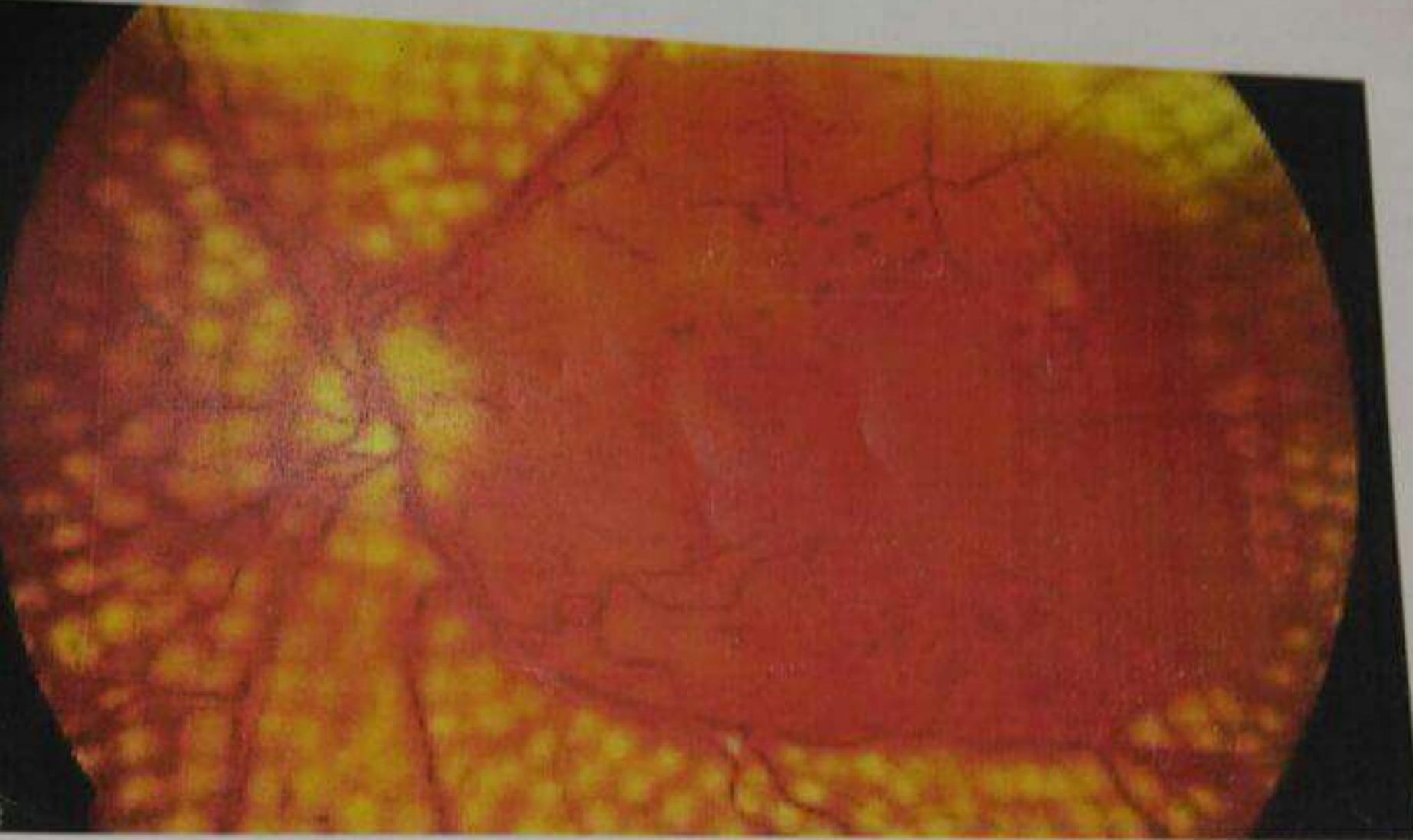
intracapsular cataract extraction
surgery

Pars Plana Lensectomy

mature cataract.....hypermature

chronic endophthalmitis
Post. capsular
opacification corneal
corneal edema
subluxation
opacification of IOL
retinal detachment

- What is your diagnosis?
- What are different surgical techniques used to treat?
- Enumerate complications of local anaesthesia in this case.
- What is most common Late Post-operative complication after surgery?



photocoagulation



pterygium

Papilloedema



- intracranial space occupying lesion
Brain Tumor abscesses
- benign intracranial hypertension
- intracranial infection
- intracranial hemorrhage
- tumor of spinal cord
- vitamin A toxicity

- treat the underline cause
- control the raised intracranial pressure by:
 - diuretics
 - repeated lumbar puncture
 - ventriculo lumboperitoneal stunt
 - optic nerve sheath decompression

- What is your diagnosis?
- Enumerate its common causes.
- What are its treatment options?

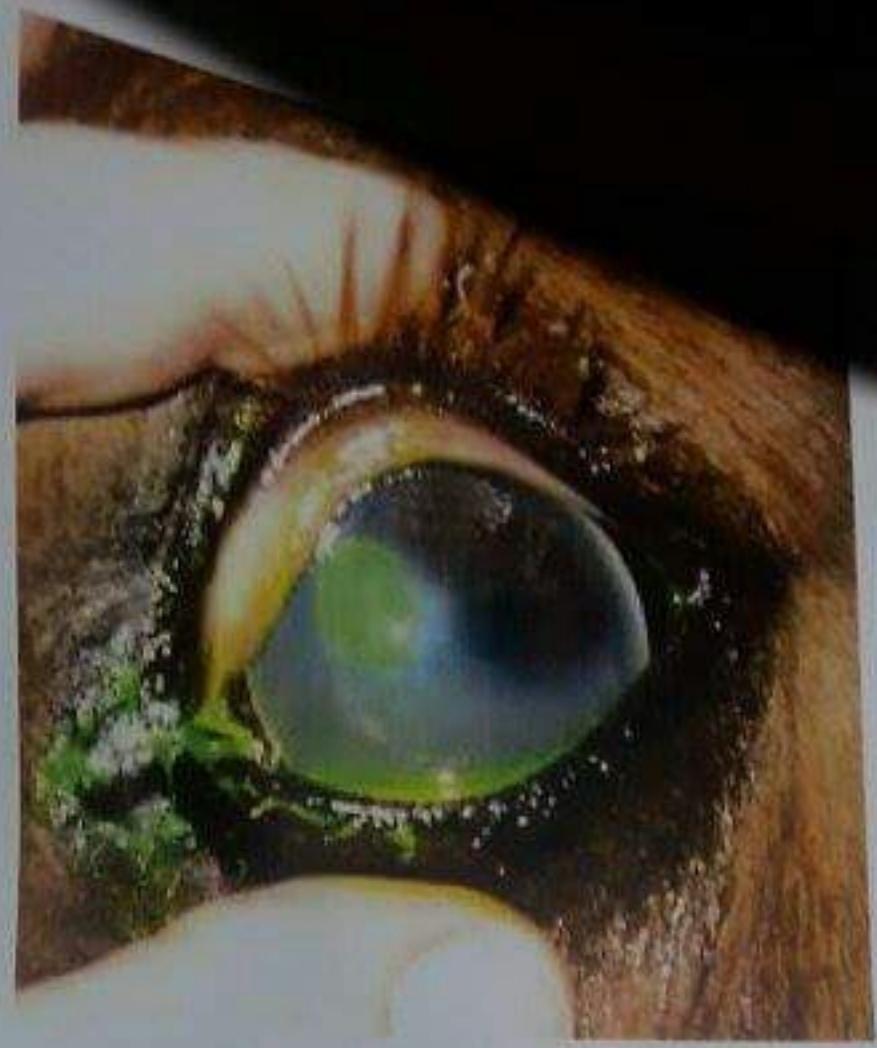


divergent squint

due to nerve lesion
weakness of the muscles
brain center lesion

- What is your diagnosis? ↘
- What is its pathogenesis?
- How you will treat this condition?

patching of normal eye
correction the refractive error
amblyopia therapy
bifocal glasses
surgery recession and resection
Orthoptic exercise



staining of crneal ulcer with flourescine stain

- What is Lesion?
- Enumerate treatment options.
- What are three basic aims to treat it?
 - control of the infection
 - relief pain
 - treatment of the descemetocoele
 - treatment of the non healing & healing corneal ulcer

→ topical and systemic antibiotics
→ Analgesics
→ conjunctival flap
→ therapeutic keratoplasty
→ tarsorrhaphy

control of the infection
relief pain
treatment of the descemetocoele
treatment of the non healing & healing corneal ulcer



exogenous allergens act as antigen and induce formation of immunoglobulin IgE causing antibody antigen complex formation which reacts with the mast cells and causes the release of chemical mediators which produce inflammatory other signs and symptoms

vernal

- What is your diagnosis? keratoconjunctivitis
- What is its Pathogenesis?
- What measures you will advise patient to take care?
- Enumerate drugs used to treat this condition.

mast cell stabilizer
antihistamine
topical steroids
acetylcysteine
topical cyclosporine
immunocompressive antigen
oral histamine

Avoid exposure to allergens.
Keep hygiene
cold compresses



dendritic ulcer

infection due to
herpes simplex virus I
& II

- What is Lesion?
- What is most common cause of such findings?
- What are different drugs used to treat this condition?
 - Topical anti viral
 - acyclovir
 - acycloguanosine
 - adenine arabinoside



Subconjunctival hemorrhage

Subconjunctival hemorrhage doesn't require treatment. Artificial tears can help relieve eye irritation if it occurs. Most broken blood vessels heal within 2 weeks. Larger spots may take longer to go away.. No blood thinners should b used.

- ↑ • What is this?
- What are its causes? trauma, bleeding disorder, straining of eye, idiopathic
- What are its treatment options?



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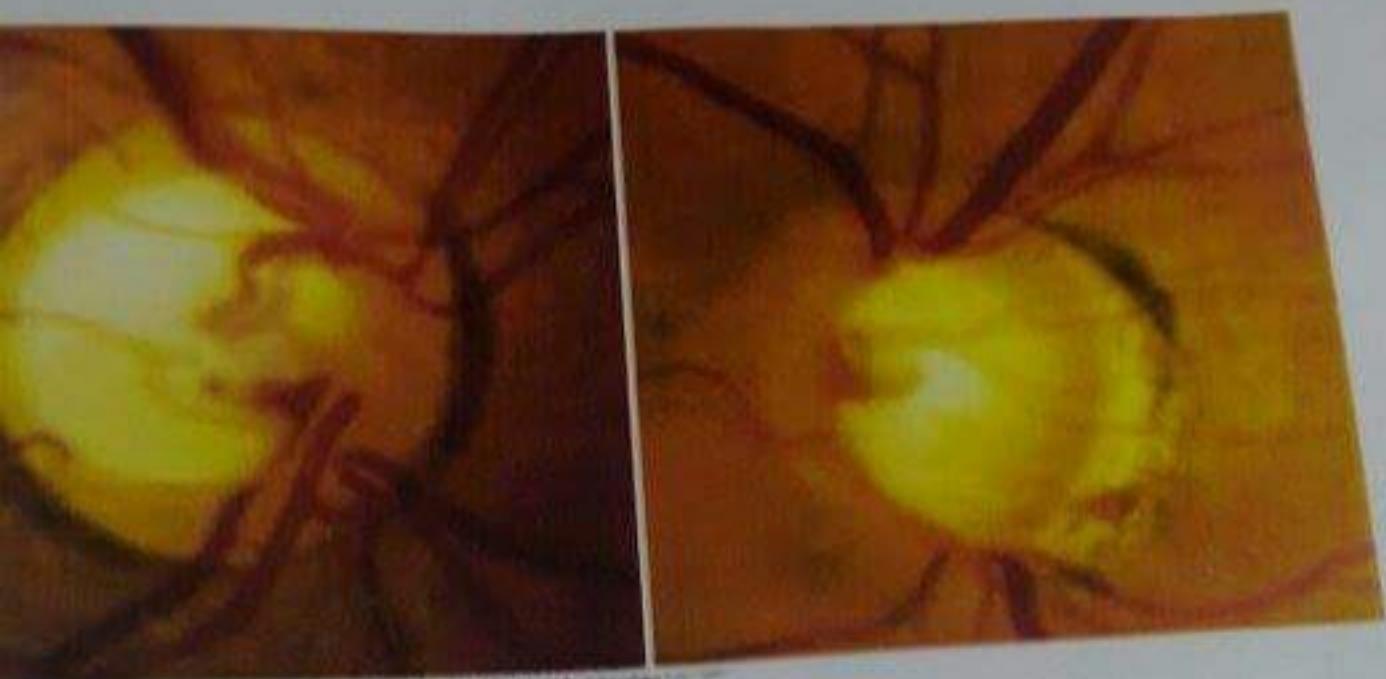
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swelling of lid....sty

- What is your diagnosis?
- Enumerate treatment options.
- What type of incision is given and why? Give two reasons.

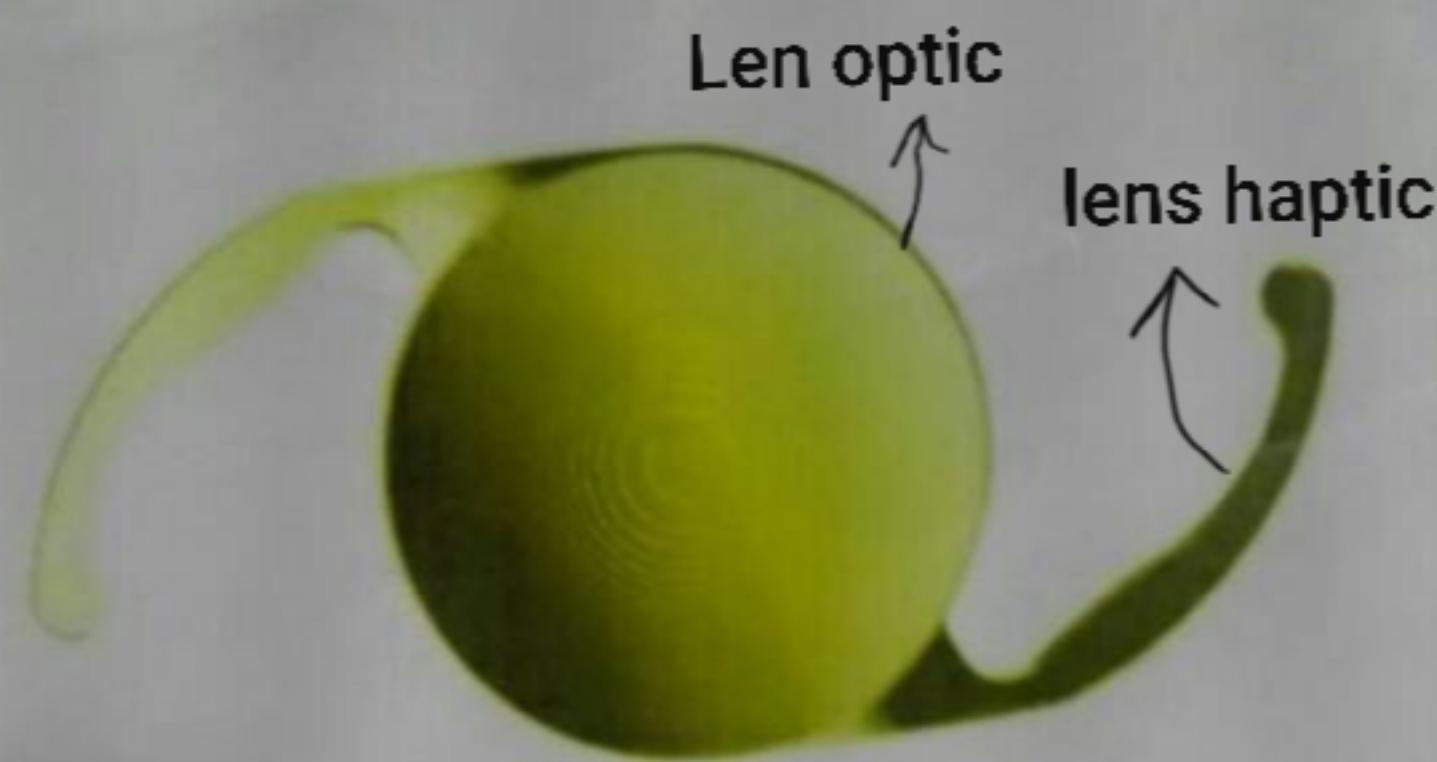
analgesics for pain
systemic antibiotics
topical antibiotics
warm compresses
evacuation of pus

- Internal Incision vertically
- minimize the area of cornea
- swept by a scar during blinking
- External Incision Horizontally:
for optimal cosmesis



cupping of optic disc.....glaucoma

- What are your findings?
- What other investigations you will advise for diagnosis? **FIT GPS**
- What are medical options to treat this condition?
 - medical treatment:
prostaglandin(lantoprost)
beta blockers (timolol)
adnergics(epinephrine)
CAI (Dorzolamide)
 - surgical treatment:
Trabeculectomy
Deep sclerectomy
- laser trabeculoplasty:
Argon laser trabeculoplasty
Selective laser trabeculoplasty



C Polymethylmethacrylate
Silicone
hydrophobic acrylate
hydrophilic acrylate
Collamer

- What is this?
- What are its parts?
- Which type of material is used? Enumerate.
- What is its ideal Post-Surgical location in eye?

Anterior chamber

Lens

2:10 PM



A-Convergent Squint

B - Occurs due to the damage of nerve supplying the eye muscles or weakness of the eye muscles

- What are your findings?
- What is its pathogenesis?
- How you will treat this case

✓ full correction of refractive amblyopia therapy bifocal glasses lens surgery recession resection Orthoptic exercise patching of the normal eye



1. Describe this picture 1

2. Name the sign shown in this picture. 1

3. What is the cause of this phenomenon? muscles

4. How will you treat this patient?

FLAB

Due cross innervation of
the mandibular branch of
the Trigeminal nerve and
occulomotor nerve
supplying to mastication
muscles

Marcus Gunn Jaw
winking ptosis

exophthalmos



TED Thyroid Eye

• What is your diagnosis? Disease

• Enumerate three signs in this patient.

• How you will treat this condition?

stellwag Sign
von- Graefe's
Mobius Sign

Anti-Thyroid
Syst. corticosteroids
artificial tears
topical NSAIDs
extraocular muscle surgery
eyelid surgery



Exophthalmos

- What is your diagnosis? (2)
- Enumerate three prominent signs in this patient. (1.5)
- How you will treat this condition? (1.5)



- What is your diagnosis?
- Enumerate treatment options.
- What type of incision is given and why?

Chalazion