

# CASE PRESENTATION

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A 49 year old female patient belonging to Nalgonda, Agricultural labourer by occupation ,came with chief complaints of –

Diminition of vision since - 1 year

Pain in the right eye since – 7 days

Redness since -7 days

Watering – 7 days

Headache associated with 2 episodes of vomitings 4 days back

# HISTORY OF PRESENT ILLNESS

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Patient was apparently asymptomatic 1 year back , then she developed Diminution of vision , insidious in onset and gradual in Progression.

She had redness in the right eye since 7 days and watering of right eye since 7 days .

She had sudden onset of pain in the right periorbital region since 7 days .

Headache associated with 2 episodes of vomitings was present 4 days back

# PAST HISTORY

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## **PAST MEDICAL HISTORY :-**

Not a known diabetic , hypertensive

No history of TB ,Leprosy, asthma ,cardiovascular disease .

## **PAST SURGICAL HISTORY :-**

Not significant

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**FAMILY HISTORY** :- Not significant

**DRUG HISTORY** :- Not significant

# PERSONAL HISTORY

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DIET :- Mixed diet

APPETITE :- Normal

SLEEP :- Disturbed due to pain

BOWEL AND BLADDER HABITS :- Regular

HABITS :- Nil

# GENERAL PHYSICAL EXAMINATION

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Patient is conscious , coherent and well oriented to time , place , and person .

She is moderately built and nourished

Temperature :- Afebrile

Pulse rate :- 82 beats per minute ,regular in rhythm

Respiratory rate :- 18 per minute

Blood pressure :- 110 /70 mm Hg in right arm supine position

No palor , icterus , cyanosis , edema , lymphadenopathy noted

# SYSTEMIC EXAMINATION

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**CVS** :- S1 and S 2 heard , no added sounds

**RESPIRATORY SYSTEM** :- bilateral normal vesicular breath sounds heard

**CNS** :- Normal

**PER ABDOMEN** :- Soft , no organomegaly noted



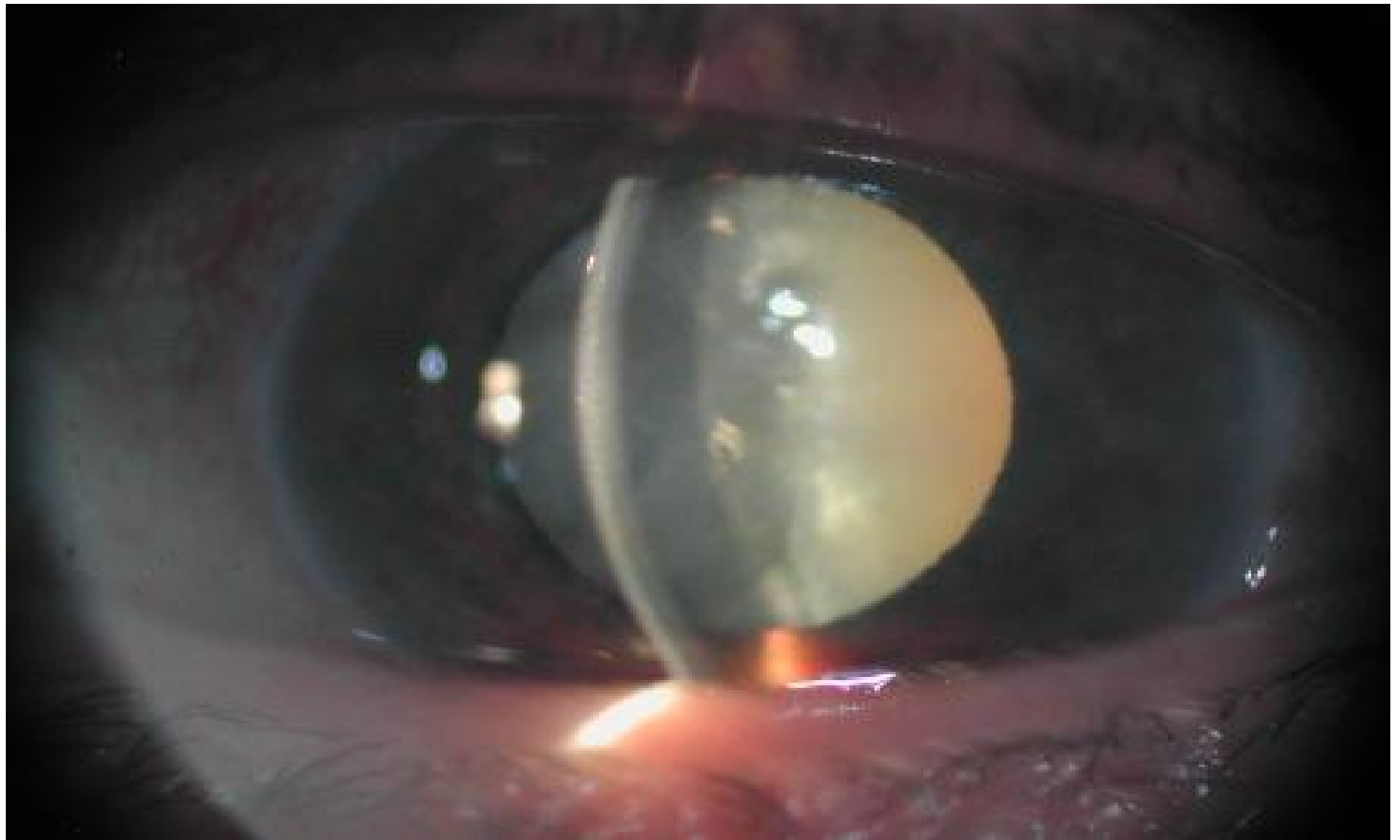
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# **OCULAR EXAMINATION**

	RIGHT EYE	LEFT EYE
<b>VISUAL ACUITY</b>	PL + PR Accurate	Counting fingers – 3 metres , with pinhole 6/60
<b>LIDS</b>	Edematous	Normal
<b>CONJUNCTIVA</b>	Circumciliary congestion , No chemosis	Normal
<b>CORNEA</b>	Stromal edema +	Clear
<b>ANTERIOR CHAMBER</b>	Shallow PACD < 1/4 CT	PACD =1/2 -1/4 CT
<b>IRIS</b>	Details obscured due to corneal edema	Normal colour pattern
<b>PUPIL</b>	Mid-dilated( 5-6 mm ) , Non-Reacting	NSRL
<b>LENS</b>	Mature senile cataract	Immature senile cataract

# OCULAR INVESTIGATIONS

	RIGHT EYE	LEFT EYE
<b>Intra ocular pressure Using Goldmann Applanation Tonometry</b>	44 mm of Hg	17 mm of Hg
<b>Gonioscopy</b>	Could not be done due to corneal edema	Open Angle(Grade 3) according to Shaffers system
<b>FUNDOSCOPY</b>	no glow present	DISC – normal size , circular , pink , well-defined margins CDR :- 0.3:1 ,Following ISNT Rule VESSELS :- normal, AV Ratio 2:3 Macula :- Foveal reflex Dull



# INVESTIGATIONS

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## ROUTINE INVESTIGATIONS :-

COMPLETE BLOOD PICTURE :- NORMAL

RANDOM BLOOD SUGAR ( RBS ) - 110 mg/dl

SEROLOGY :- HIV :- Non-reactive

HBsAG :-Non-reactive

COMPLETE URINE EXAMINATION :- Normal

RENAL FUNCTION TEST :- Within normal range

# DIAGNOSIS

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**RIGHT EYE :- LENS INDUCED-PHACOMORPHIC GLAUCOMA**

**LEFT EYE :- IMMATURE SENILE CATARACT**

# *TREATMENT*

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- 1 ) I.V Mannitol 20% 200 ml within 30 min
- 2 ) E/D Timolol 0.5 % BD
- 3 ) E/D Ciplox 0.3% QID
- 4 ) E/D Predace 1% Hourly
- 5 ) Tab . Diamox 250 mg QID
- 6 ) Tab . Flexon BD
- 7 ) Tab . Rantac 150 mg BD

# DAY OF SURGERY :-

INTRAOCULAR PRESSURE IN THE RIGHT EYE :- 30 mmHg

LEFT EYE :- 14 mmHg

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At 7.30 am ,started with I.V Mannitol 20% 200 ml ,which was given in 30 min.

At 8.30 am , Intraocular pressure was 24 mm Hg and was shifted to operation theatre

**PROCEDURE DONE** :- RIGHT EYE SMALL INCISION CATARACT SURGERY WITH POSTERIOR CHAMBER INTRAOCULAR LENS IMPLANTATION UNDER LOCAL ANAESTHESIA

Surgery was uneventful .



# POD -1

## RIGHT EYE

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**Lids** - Edematous ++

**Conjunctiva** - Congestion +

**Cornea** - Superior striate keratopathy +

**Anterior chamber** – Formed

**Pupil** – Circular , sluggish reaction

**Lens** – PCIOL Insitu

# TREATMENT

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- 1) E/D Ciplox 0.3% Hourly
- 2) E/D Predace 1% Hourly
- 3) E/D Timolol 0.5 % BD
- 4) Tab Diamox 250 mg QID
- 5) Tab Flexon BD
- 6) Tab Rantac 150 mg BD

# POD -2

## RIGHT EYE

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**LIDS** - Edema +

**CONJUNCTIVA** – Congestion +

**CORNEA** – Striate Keratopathy

**Anterior chamber** – Formed

**Pupil** – Circular, reacting to light

**Lens** – PCIOL Insitu

# TREATMENT

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- 1 ) E/D Ciplox 0.3 % Hourly
- 2) E/D Predace 1%Hourly
- 3) E/D Timolol 0.5 % BD
- 4) Tab Diamox 250 mg BD
- 5) Tab flexon BD
- 6) Tab Rantac 150 mg BD

POD -3

## RIGHT EYE

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**Lids** – Normal

**Conjunctiva** - Congestion +

**Cornea** - Clear

**Anterior chamber** – Formed

**Pupil** – Circular

**Lens** – PCIOL Insitu



# DISCHARGE ADVICE AND TREATMENT

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- 1) E/D Ciplox 0.3 % 4 Times Per day
- 2) E/D Predace 1% 8 times per day
- 3) E/D Timolol 0.5 % BD
- 4) Tab flexon BD for 3 days
- 5) Tab Rantac 150 mg BD for 3 days

Patient discharged and advised to review after 1 week

# ON FIRST REVIEW

## RIGHT EYE –

**VISUAL ACUITY :- 6/36 With pin hole – 6/24**

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**Conjunctiva – Normal**

**Cornea – Clear**

**Anterior chamber –no reaction, no abnormal contents**

**Pupil – Circular**

**Lens –PCIOL Insitu**

**Intra ocular pressure :- 18 mm Hg(with Goldmann applanation tonometry)**

**FUNDUS :- Disc – normal size , circular ,well defined margins**

CDR – 0.4:1

Vessels – normal ,AV Ratio2:3

Macula – foveal reflex Dull



# TREATMENT

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- 1) E/D Ciplox 0.3 %4 times per day
- 2) E/D Predace 1% 6 times per day
- 3) E/D Timolol 0.5 % BD

Patient is asked to review after a week

# ON SECOND REVIEW

**RIGHT EYE :-** Visual acuity – 6/18 with pin hole -6/12

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**Conjunctiva – Normal**

**Cornea – Clear**

**Anterior chamber – no reaction**

**Pupil – Circular**

**Lens –PCIOL Insitu**

**Intra ocular pressure :- 16 mm Hg**

# TREATMENT

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- 1) E/D Ciplox 0.3% 4 times per day
- 2) E/D Predace 1% 4 times per day

Patient is asked to review after a week

# ON THIRD REVIEW

**RIGHT EYE :-** visual acuity – 6/18 with pin hole – 6/12  
Partial

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**Cornea – Clear**

**Anterior chamber – no reaction**

**Pupil – Circular**

**Lens –PCIOL Insitu**

**Intra ocular pressure :- 16 mm Hg**

# TREATMENT

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- 1) E/D Ciplox 0.3% QID
- 2) E/D Predace 1% BD

Patient was prescribed spectacles , -0.75 D spherical with +3.00 D add .

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**THANK YOU**

