CASE PRESENTATION

-by **Dr.Arundhati**

1st year PG

- Name : X X X X X
- Age : 40yrs
- Sex : Male
- Occupation : Farmer
- Residence : Narketpally

CHIEF COMPLAINTS : -

- Diminision of vision in Right Eye since – 1 year

HISTORY OF PRESENT ILLNESS :-

- Patient was apparently normal 1 year back when he developed diminished vision in right eye, which is insidious in onset, gradually progressive and painless.

- No h/o Pain, Redness, Watering, Photophobia
- No h/o Floaters/Flashes
- No h/o Micropsia/Macropsia/Metamorphopsia
- No h/o Diplopia
- No h/o Colored halos
- No h/o glare
- No h/o frequent change of glasses

PAST HISTORY:

- History of blunt injury to the Right eye one year back with a stick. .
- It was associated with pain,photophobia and watering for which the patient under went treatment at a local hospital following which his symptoms subsided.
- No h/o Diabetes Mellitus,Hypertension,Asthma.
- No h/o Drug allergies.
- No h/o Ocular surgery.

FAMILY HISTORY:

Not significant

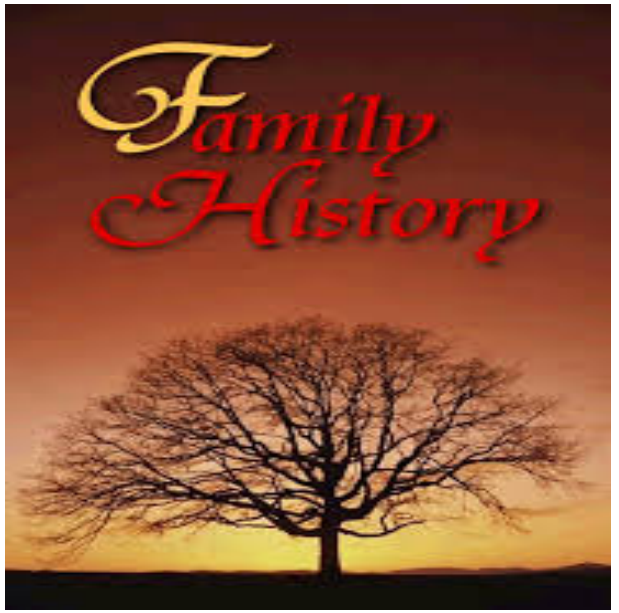
PERSONAL HISTORY:

Diet-Mixed

Bowel and Bladder-Normal

Appettite-Good

Sleep-Undisturbed



Positive Findings :

- H/o Gradual, Painless, Progressive diminision of vision in RE since 1 year.

- H/o Trauma 1 year back.

Differential Diagnosis ?

- Corneal opacity
- Secondary glaucoma
- Traumatic cataract
- Complicated cataract
- Vitreous opacity

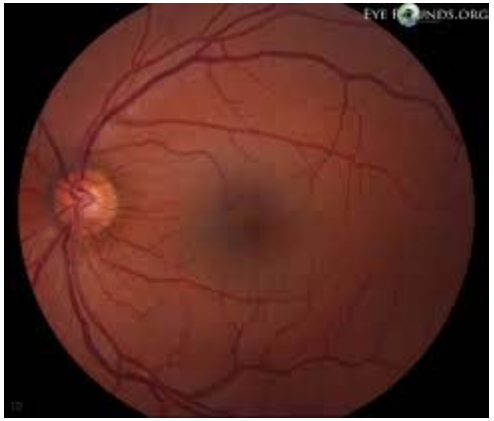
EXAMINATION

GENERAL EXAMINATION

- Patient is conscious and coherent oriented to time,place and person
- Moderately built and nourished
- Vitals are normal

SYSTEMIC EXAMINATION

- CVS – Normal
- Respiratory system – Normal
- CNS – Normal
- GIT - Normal



OCULAR EXAMINATION

	OD	OS
Visual acuity	CF 2 meters ,with pinhole NI	6/6
Near vision	N6	N6

- Head posture - Normal
- Facial symmetry – Maintained
- Ocular symmetry – Maintained
- Forehead – Normal
- Extra ocular movements – Full range in all directions

SLIT LAMP EXAMINATION

	OD	OS
VISUAL ACUITY	CF 2 METERS PH NI	6/6
EYELIDS	Normal	Normal
CONJUNCTIVA	Normal	Normal
CORNEA	Nebular opacity at 9'0 clock position,measuring 2x2mm in size	Clear
ANTERIOR CHAMBER	Normal depth, clear contents	Normal depth, clear contents
IRIS	Posterior synechiae (+) at 2'O Clock,4' O Clock position ,normal colour	Normal pattern & colour
PUPIL	Irregular in shape,5mm in diameter,reacting sluggishly to both Direct and Indirect light	3-4mm in diameter Brisk Reaction to Direct and Indirect Light
LENS	Greyish white opacification(+) ,Iris shadow (+)	clear

DIFFERENTIAL DIAGNOSIS

- Traumatic cataract
- Secondary glaucoma

INVESTIGATIONS

- what investigations to be done??

Investigations done are –

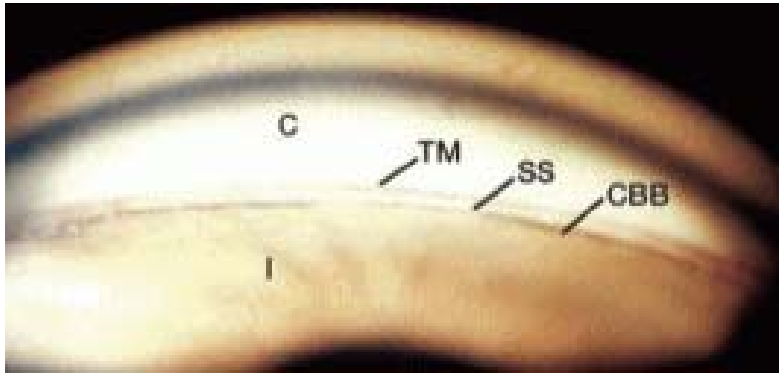
- ✓ **Applanation Tonometry**
- ✓ **Gonioscopy**
- ✓ **Fundus Examination**
- ✓ **Macular function tests -B-Scan**
- ✓ **IOL CALCULATION : keratometry , A-SCAN.**
- ✓ **Lacrimal Sac Syringing.**

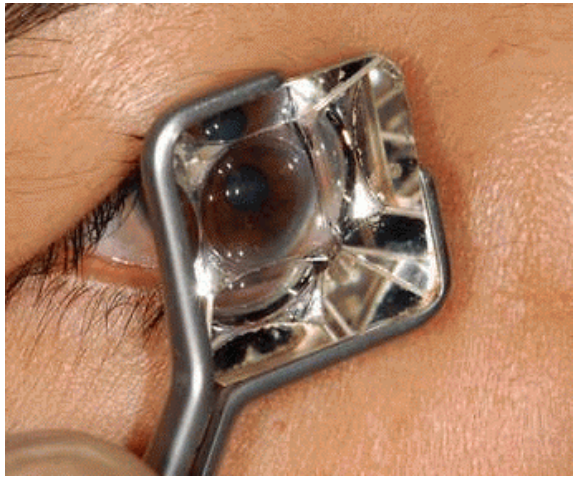
INTRAOCULAR PRESSURE

	OD	OS
On the day of presentation at 11 AM	14 mm of Hg	12mm of Hg

GONIOSCOPY

- Open angles in all the four quadrants.

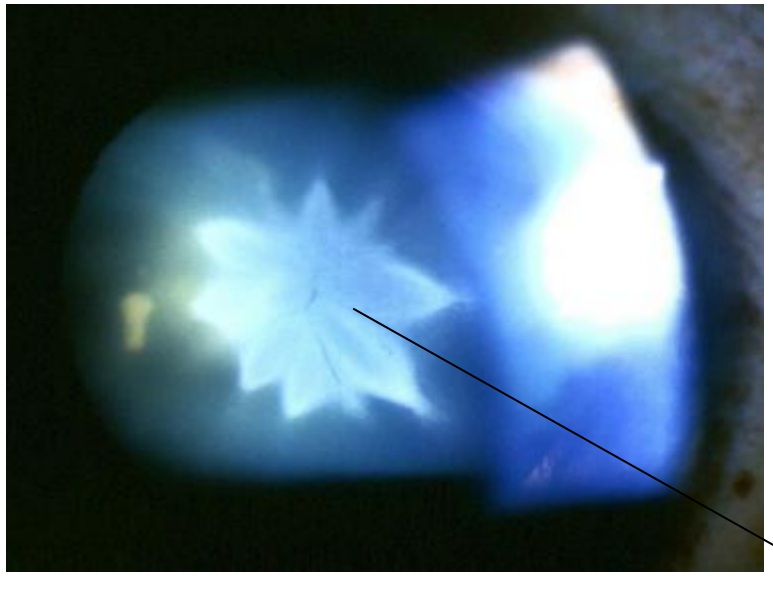




SLIT LAMP EXAMINATION
(AFTER DILATATION)

	OD	OS
Pupil	**Irregular in shape,posterior synechiae(+),dilating to 7mm**	**Dilating to 9mm**
Lens	**Rosette shaped opacity seen**	**clear**

Rosette Shaped opacity seen after dilatation under the slit lamp-

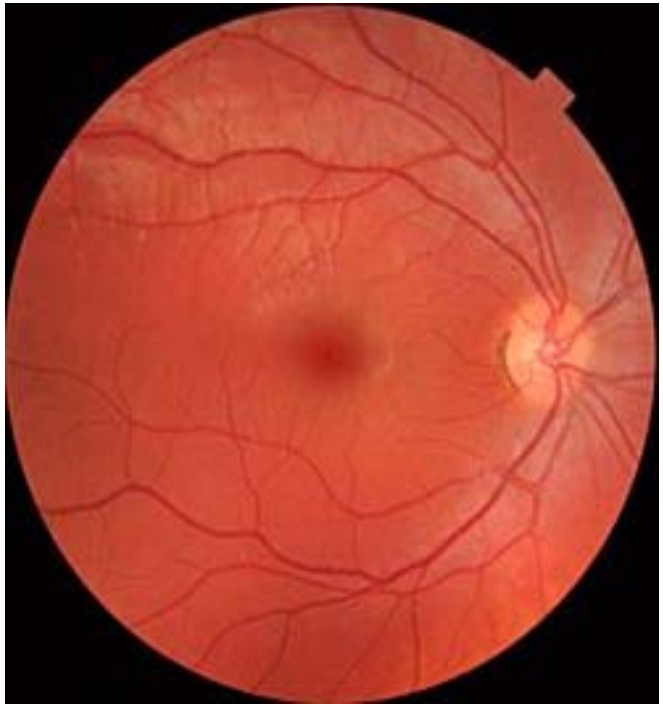


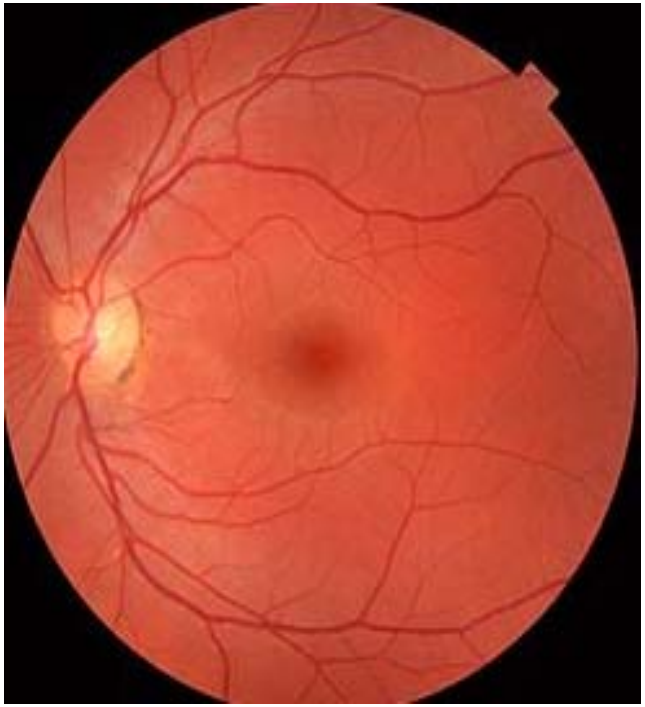
FUNDUS EXAMINATION

	OD	OS
Media	**Hazy d/t Lenticular Opacity**	**clear**
Disc	**Normal in size,Pink,Circular,Well defined margins CDR-0.3:1**	**Normal in size,Pink,Circular,Well defined margins CDR-0.3:1**
Vessels	**Normal A:V Ratio-2:3**	**Normal A:V Ratio-2:3**
Macula	**Normal FR-Dull**	**Normal FR-Dull**
Periphery	**Normal**	**Normal**

Fundus photograph of both eyes-

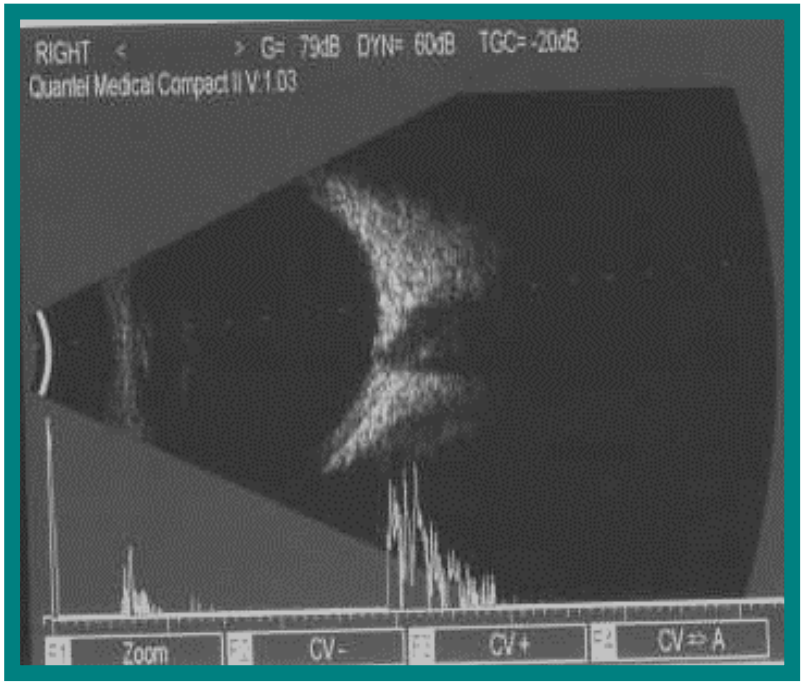
Showing Normal fundus





Macular Function tests-B Scan

- B-Scan:-Normal study. No posterior segment pathology seen.



DIAGNOSIS

What is the probable diagnosis?

- **RE - TRAUMATIC CATARACT (ROSETTE SHAPED)**

TREATMENT

PRE-OPERATIVE TREATMENT:

MEDICAL :

1.Topical Antibiotic eye drops –

E/D CIPROFLOXACIN 0.3 % qid

2.Cycloplegics :

E/D HOMATROPINE 2% bd

3.Oral Steroids :

TAB.PREDNISOLONE ACETATE 40mg od

4.Topical Steroids :

E/D PREDNISOLONE ACETATE 6t/day.

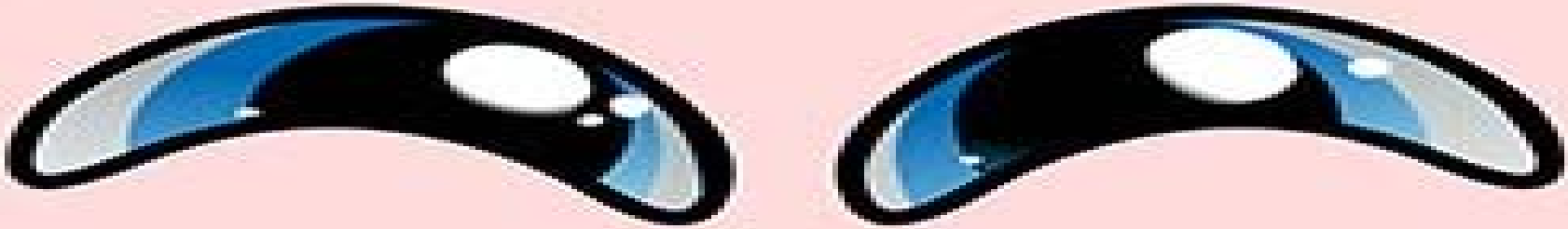
- **SURGICAL**: RE Small Incision Cataract Surgery with POSTERIOR CHAMBER INTRAOCULAR LENS Implantation under local anaesthesia.

POST OPERATIVE MEDICATION:

- Topical Antibiotics with combined Steroid drops-
  E/D CIPROFLOXACIN 0.3%w/v with E/D DEXAMETHASONE 0.1% w/v hourly.
- NSAIDS **: TAB.FLEXAN BD for 3 days**
- Oral Steroids- **PREDNISOLONE 40mg** for 7days, tapered gradually to 20 mg for next 7 days.
- Topical Steroids : **E/D PREDNISOLONE ACETATE 6t/day.**

POST OPERATIVE VISION

Visual acuity	OD
1 st POD	6/24PH NI
3 rdPOD	6/18PH6/9



Thank you!