http://jmscr.igmpublication.org/home/
ISSN (e)-2347-176x ISSN (p) 2455-0450
crossref DOI: https://dx.doi.org/10.18535/jmscr/v8i5.38

IGM Publication Journal Of Medical Science And Clinical Research
An Official Publication Of IGM Publication

**Case Report**

# Solar Maculopathy

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**Chief Complaints**

A 30 year old patient resident of Ganj Basoda Vidisha, housewife by occupation presented with chief complaints of diminution of vision in right eye since 11 yrs & in left eye since 1 yr.

**History of Presenting Complaints**

- Patient was apparently alright 11 yrs back then she started diminution of vision in RE eye which was gradual in onset, painless & progressive in nature. It was associated with floaters, micropsia, metamorphopsia, flashes of light & frontotemporal headache with sudden deterioration of vision in last 6 months.
- She had complained of diminution of vision in LE since one year which was gradual in onset, painless and progressive in nature & was associated with floaters, metamophosia and headache.
- No history of ocular trauma and ocular surgery.
- No history of redness &watering.
- No specific field defects.
- No history of spectacle use.

**Past History**

- No H/O HTN, TB, Asthma, DM
- H/o breast carcinoma for which sx done 1 yr back
- H/o watching solar eclipse 11 yr back.

**Personal History**

Sleep, Appetite– Normal, Diet –vegetarian, Bowel and bladder habits – Normal, No history of any addiction

**Family History**

No similar history in family.

**Drug History**

- Patient took? ocular injection in 3 doses with 1 month interval.
- She was taking treatment for breast carcinoma since 1.5 yrs.

**General Examination**

- Average built.
- Conscious, oriented to time, place, person.
- Afebrile
- Pulse-85/min, BP-130/90 mmhg, RR-16/min
- No pallor, icterus, cyanosis, clubbing & lymphadenopathy.
- Respiratory system-wnl.
- CVS-wnl.
- Per abdomen-wnl.

- CNS-no neurological deficient.

### Ocular Examination of RE

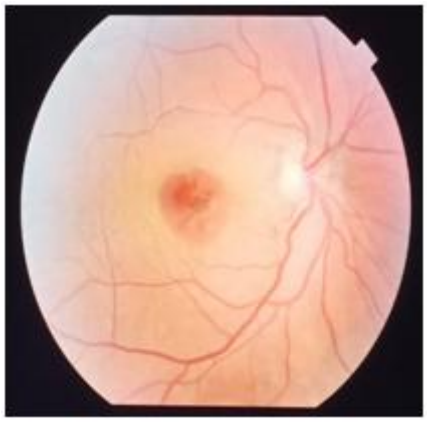
| VISION | Counting finger 1 ft PR accurate |
|---|---|
| RETINOSCOPY | +2.25<br>+2.75<br>no improvement with glasses |
| POSITION OF HEAD | Normal |
| POSITION OF EYE BALL | Central |
| OCULAR MOVEMENTS | present in all cardinal gazes |
| LIDS | Normal |
| LACRIMAL PASSAGE | ROPLAS –ve |
| CONJUNCTIVA | Normal |
| CORNEA | Clear |
| SCLERA | Normal |
| ANTERIOR CHAMBER | Normal in depth |
| IRIS | ICPN |
| PUPIL | PCCRTL |
| LENS REFLEX | GREY WHITE |
| DIGITAL TENSION | Normal NCT: 16.00 mmHg |

### Ocular Examination of LE

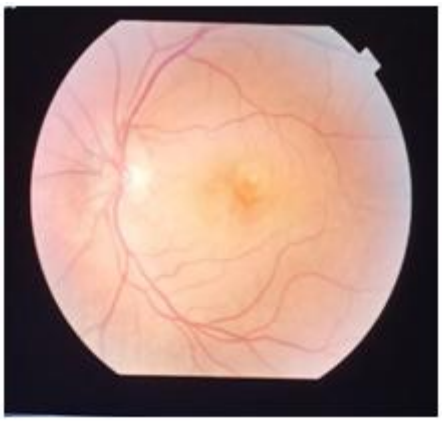
| VISION | 6/12with pinhole 6/9 |
|---|---|
| RETINOSCOPY | +2.25<br>+2.75<br>BCVA: +0.50 DS- 6/9 |
| POSITION OF HEAD | Normal |
| POSITION OF EYE BALL | Central |
| OCULAR MOVEMENTS | present in all cardinal gazes |
| LIDS | Normal |
| LACRIMAL PASSAGE | ROPLAS –ve |
| CONJUNCTIVA | Normal |
| CORNEA | Clear |
| SCLERA | Normal |
| ANTERIOR CHAMBER | Normal in depth |
| IRIS | ICPN |
| PUPIL | PCCRTL |
| LENS REFLEX | GREY WHITE |
| DIGITAL TENSION | Normal NCT: 14.00 mmHg |

### Fundus Examination of BE

- Media: clear
- Disc margin: distinct circular
- CDR:0.3:1
- Blood vessels: both arteries and veins dilated and tortuous.
- FR: not appreciable
- GF: Tessellated,
- RE: Pigmentary deposits over macula, subretinal haemorrhage.
- LE: circular distinct red reflex in macula, suggestive of macular hole.



RE Fundus



LE Fundus

### Investigations

Hb: 12.0 gm%
Tlc: 5700/cumm
Dlc: P52, L40, M05, E03, B0.
Platelets: 2.5lac/cumm
Rbs: 99mg/dl.
Blood Urea: 21mg/dl
S.Creatinine:1.24mg/dl.

ESR: 24 at the end of first hour.
Urine RM: wnl

**Provisional Diagnosis**
Solar Maculopathy

**Conclusion**
There is no systemic illness & no similar complaints in family, there is history of watching solar eclipse 11 yr back and the presentation is in both eye so the fundus finding is suggestive of both eye solar maculopathy.