



## Misconception on Mechanism of Damage to Macula by Solar Eclipse

### Shahzad Waseem\*

*Professor, Consultant Eye Surgeon, Rawalpindi, Islamabad, Pakistan*

**\*Corresponding Author:** Shahzad Waseem, Professor, Consultant Eye Surgeon, Rawalpindi, Islamabad, Pakistan.

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In almost all the Ophthalmology books and perhaps most of the ophthalmologist agree that solar eclipse causes damage to the macula and may cause permanent visual loss if sun is seen for a long time.

In our observation, we have found that, at the day of solar eclipse, people are very excited and curious to see the eclipse.

As we know that cosmology tells us that in solar eclipse, moon comes in front of the sun. And from earth we can easily stair at the sun, which is not possible in normal days.

Damage to macula happens by UV rays emitting from the sun.

But the important point in pathogenesis, which most of us overlook is that actually it's the curiosity to see the eclipse as light of the sun is much reduced, people are able to stair at sun directly for long period. In normal days, it's not possible to stair at the sun because of the intense light.

So, we have concluded that the damage occurs due to curiosity and ability to see the sun in these circumstances, rather than any special thing from the eclipse itself.

The good thing is that every ophthalmologist discourages it. But most of them may not be aware of the facts mention above.

We feel that all ophthalmologist, optometrists and all personnel related to visual sciences should know the facts.

In the end, I would welcome anyone who wants to comment or wants to disagree.

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