

EYE HEALTH

with

Dr Jai



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This Week

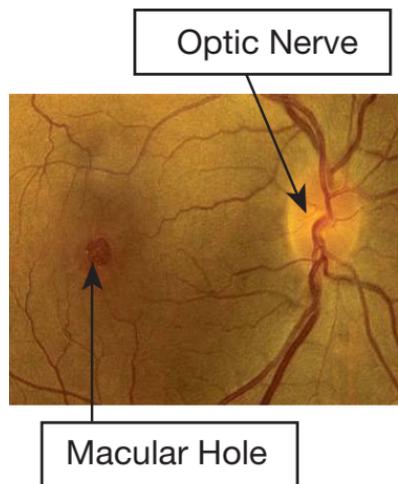
What is a Macular Hole

What is the Macular?

The Macular is a thin film at the back of the eye that allows the eye to process images for the brain to see. The Macular processes 95% of the vision we see. The Macular acts very similar to the film in a camera. The Macular is made of a number of fine layers each of which has a special job to do.

What is a Macular hole?

A Macular hole is where one or more of the fine layers of the Macular at the back of the eye begins to separate out from each other causing a hole or a gap between them. Macular holes can be partial thickness where only a few of the layers separate, or full thickness where all the Macular layers separate. Macular separates leaving a hole in the centre of the Macular.



What are the symptoms of a Macular hole?

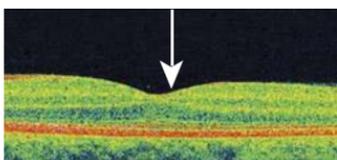
A Macular hole causes distorted, blurred or even missing features in the central part of the visual image. Advanced Macular holes can result result in vision equivalent to legal blindness.



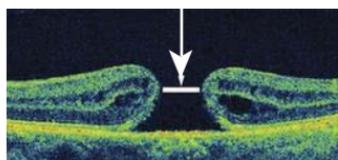
How are Macular holes diagnosed?

The best way to diagnose a Macular hole is by using a special laser driven instrument called an OCT, which generates a cross section through the Macular allowing the Macular hole to be easily seen.

Normal Macular



Macular Hole



How are Macular holes treated?

Macular holes are treated surgically. It is a day surgery procedure. The jelly that occupies most of the eye is firstly removed. Any membranes or factors causing the Macular layers to spread apart are removed and then the eye is filled with gas to encourage the edges of the hole together and to help them heal.



Dr Jai Eye Centre
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