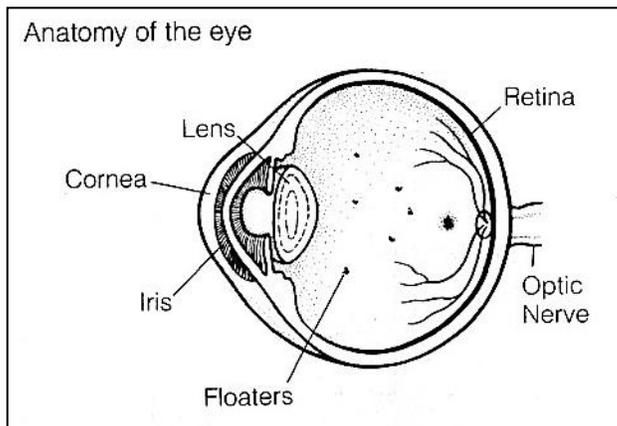


Floaters and Flashes

What are floaters?

You may sometimes see small specks or clouds moving in your field of vision. They are called floaters. You can often see them when looking at a plain background, like a blank white wall or blue sky. Floaters are actually tiny clumps of gel or cells inside the **vitreous**, the clear jelly-like fluid that fills the inside of your eye.



ALTHOUGH THE FLOATERS APPEAR TO BE IN FRONT OF THE EYE, THEY ARE ACTUALLY FLOATING IN THE VITREOUS FLUID INSIDE THE EYE.

While these objects look like they are in front of your eye, they are actually floating inside. What you see are the shadows they cast on the **retina**, the nerve layer at the back of the eye that senses light and allows you to see.

Floaters can have different shapes: little dots, circles, lines, clouds or cobwebs.

What causes floaters?

When people reach middle age, the vitreous gel may start to thicken or shrink, forming clumps or strands inside the eye. When the vitreous gel abruptly pulls away from the back wall of the eye, it is called a **posterior vitreous separation**. It is a common cause of new floaters.

Posterior vitreous separation is more common for people who:

- are nearsighted;
- have undergone cataract surgery;
- have had YAG laser surgery of the eye;
- have had inflammation inside the eye.

The appearance of floaters may be alarming, especially if they develop suddenly. You should see Dr. Wareham right away if you suddenly develop new floaters, especially if you are over 45 years of age.

Are floaters ever serious?

The retina can tear if the shrinking vitreous gel pulls away from the wall of the eye. This sometimes causes a small amount of bleeding in the eye that may appear as new floaters.

A torn retina is always a serious problem, since it usually leads to a retinal detachment. You should see Dr. Wareham as soon as possible if:

- a **new** floater appears suddenly;
- you see sudden new flashes of light.
- you notice missing side vision or a curtain/shadow blocking out vision

What can be done about floaters?

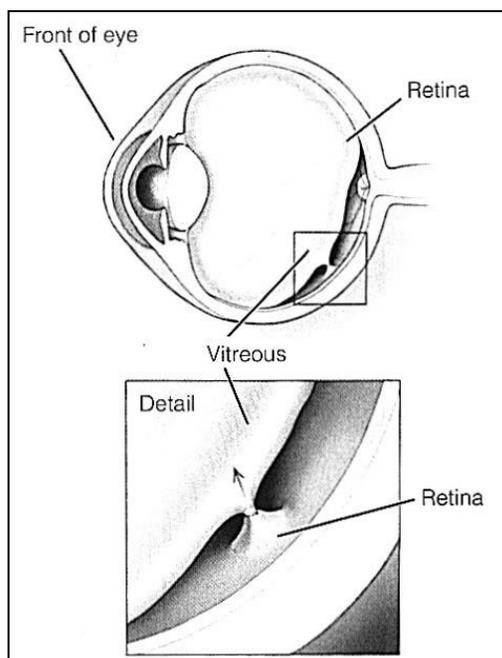
Because you need to know if your retina is torn, call Dr. Wareham if a new floater appears suddenly.

Floaters can get in the way of clear vision, which may be quite annoying, especially if you are trying to read. You can try moving your eyes, looking up and then down to move the floaters out of the way.

While some floaters may remain in your vision, most of them will fade over time and become less bothersome. Even if you have had some floaters for years, you should have an eye examination immediately if you notice new ones.

What causes flashing lights?

When the vitreous gel pulls on the retina, you may see what look like flashing lights or lightning streaks. You may have experienced this same sensation if you have ever been hit in the eye and seen “stars”.



The flashes of light can appear off and on for several weeks or months. As we grow older, it is more common to experience flashes. If you notice the sudden appearance of light flashes, you should visit Dr. Wareham immediately to see if the retina has been torn.

Migraine

Some people experience flashes of light that appear as jagged lines or “heat waves” in both eyes, often lasting 10-20 minutes. These types of flashes are usually caused by a spasm of blood vessels in the brain, which is called a migraine.

If a headache follows the flashes, it is called a migraine headache. However, jagged lines or “heat waves” can occur without a headache. In this case, the light flashes are called ophthalmic migraine, or migraine without headache.

WHEN THE VITREOUS PULLS ON THE
RETINA, IT CREATES A SENSATION OF FLASHING
LIGHTS.