

# Detached and Torn Retina

A retinal detachment is a very serious problem that usually causes blindness unless treated. The appearance of flashing lights, floating objects, or a gray curtain moving across the field of vision are all indications of a retinal detachment. If any of these occur, see an ophthalmologist right away.

As one gets older, the **vitreous** (the clear, gel-like substance that fills the inside of the eye) tends to shrink slightly and take on a more watery consistency. Sometimes, as the vitreous shrinks, it exerts enough force on the retina to make it tear.

Retinal tears can lead to a retinal detachment. Fluid vitreous, passing through the tear, lifts the retina off the back of the eye like wallpaper

peeling off a wall. Laser surgery or cryotherapy (freezing) are often used to seal retinal tears and prevent detachment.

If the retina is detached, it must be reattached before sealing the retinal tear. There are three ways to repair a retinal detachment. **Pneumatic retinopexy** involves injecting a special gas bubble into the eye; the bubble pushes on the retina to seal the tear. The **scleral buckle procedure** requires the fluid to be drained from under the retina before a flexible piece of silicone is sewn on the outer eye wall to give support to the tear while it heals. **Vitrectomy surgery** removes the vitreous gel from the eye, replacing it with a gas bubble, which is slowly replaced by the body's fluids.

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Lawrence J. Singerman, MD  
Z. Nicholas Zakov, MD  
Joseph M. Coney, MD

Michael A. Novak, MD  
Scott D. Pendergast, MD

Hernando Zegarra, MD  
David G. Miller, MD  
Jerome P. Schartman, MD

3401 Enterprise Parkway #300  
Beachwood, OH 44122  
216-831-5700

14601 Detroit Avenue #200  
Lakewood, OH 44107  
216-221-2878

15299 Bagley Road #200  
Middleburg Hts, OH 44130  
440-663-0022

5390 Belmont Avenue  
Youngstown, OH 44505  
330-759-8777

1 Park West Boulevard #150  
Akron, OH 44320  
330-869-0738

3919 E. Market Street  
Warren, OH 44484  
330-856-2238

9485 Mentor Avenue #211  
Mentor, OH 44060  
440-205-4444

6100 S. Broadway Avenue #200  
Lorain, OH 44053  
440-233-6100