

What is Lazy Eye?

by **Scott Silverman, MD**
Pediatric Ophthalmologist
Manatee Sarasota Eye Clinic

Vision problems are common in children. Early recognition and treatment are the keys to preventing permanent visual impairment. Let us begin by defining two important terms: **amblyopia** and **strabismus**.

Amblyopia, sometimes referred to as "lazy eye," is poor vision in an eye that did not develop normal sight during childhood. Without treatment, children with amblyopia will never see well in one eye, even with glasses.

Strabismus is a misalignment of the eyes. The eyes may cross or drift up or out. Strabismus may be present from birth or may develop in childhood.

Dispelling the Myths

Let me dispel two common misconceptions about visual development in children:

Children do not outgrow crossing. Many parents have been told that their child would outgrow crossing of the eyes. This is simply not true. It is normal for the eyes of a newborn to cross or drift out. However, after four months of age, the eyes should be straight at all times.

Not all lazy eyes are crossed. Some children with **amblyopia** have crossed eyes, while others have perfectly straight eyes. In children with crossed eyes, one eye is usually "turned off" by the brain to avoid double vision. The ignored eye fails to develop fully, and **amblyopia** develops. In children with straight eyes, **amblyopia** is usually the result of one eye being more farsighted than the other. The brain ignores the images from the more farsighted eye and **amblyopia** results. Children can develop amblyopia between birth and seven years of age.

Detection and Diagnosis

Amblyopia can be more difficult to detect than **strabismus**. Many children with **amblyopia** show no obvious sign of a vision problem, since they use the normal eye to see and ignore the other. Early vision testing by your pediatrician or eye doctor is essential.

Amblyopia is detected during an eye exam by finding a difference in the vision between the two eyes.

Strabismus is usually recognized by parents as a crossing or drifting out of one or both eyes. The drifting may be constant or intermittent.

Treatment

Fortunately, most children with **amblyopia** and **strabismus** can be treated effectively.

Treatment of Amblyopia

In order to correct **amblyopia**, the brain must be reconditioned to pay attention to images from the lazy eye. This is accomplished by part-time patching treatment or by the use of atropine eye drops that blur the vision of the stronger eye. Patching or blurring the stronger eye forces the brain to use the lazy (amblyopic) eye. Over time, the vision of the weaker eye improves.



Treatment of Strabismus

Strabismus can sometimes be cured with glasses, but often requires eye muscle surgery. Surgery is performed under general anesthesia. During the procedure, the eye muscles are carefully repositioned to straighten the eyes. The surgery is performed on an outpatient basis and takes less than an hour to complete. Children are usually back to school within three days after surgery.



Before surgery, the left eye crosses.



After surgery, the eyes are straight.



Before surgery, the left eye drifts out.



After surgery, the eyes are straight.

Dr. Scott Silverman is a Pediatric Ophthalmologist with offices in Lakewood Ranch, Sarasota and Bradenton. He specializes in children's eye care and eye muscle surgery in children and adults. For an appointment call 366-4777.