

In hyperopia, decreased axial length causes decreased space for the aqueous humor to flow. This can lead to intraocular pressure elevation and angle-closure glaucoma

## **Astigmatism**

### **Stick-Eye**

Astigmatism is a condition in which parallel rays of light cannot form a point image on the retina due to the existence of two or more focal points. It is associated with an abnormal corneal curvature.

## **Abnormal Corneal Curvature**

### **Abnormal Curved Corn**

Normally, the cornea has the same curvature along all axes. If the shape of the cornea becomes irregular, 2 or more different sized axes are produced, resulting in different points of convergence, or focal points. This will result in scattering of the image and blurring of vision in all axes.

## **Increased Risk for Amblyopia**

### **Up-arrow Risk Amber-Lazy-eye**

Amblyopia means lazy eye. If at birth, astigmatism is present, the brain will primarily use the input for depth perception from the normal eye. This leads to decreased nervous output to the abnormal eye, which may then suffer from amblyopia.