

## Astigmatism Lasik Surgery Provides 6.0 D of Correction

Astigmatism lasik surgery is useful for treating astigmatism and is very predictable especially in the case of iris recognition technology that uses Zyoptix Wavefront to map the treatment onto the cornea. For the complete surgery, treatment should be delivered at the exact right angle and in case of the eye being rotated a few degrees the magnitude of the correction can be reduced.

Astigmatism lasik surgery is able to accomplish 6.0 D of correction. Astigmatism is basically found in combination with shortsightedness and farsightedness and it may sometimes be present without an overall refractive error that may affect the person's ability to see clearly.

### Corrects Blurry Vision

When a person has astigmatism of up to 5.0 Diopters it may be treated using astigmatism lasik surgery. Astigmatism lasik surgery is useful for treating the areas of blurry vision because the cornea of the eye is not perfectly circular as it should be and people having astigmatism may find it difficult to see vertical, horizontal or diagonal lines. Depending upon the shape of one's cornea, one would be able to judge whether one has nearsightedness, farsightedness or astigmatism. Astigmatism lasik surgery can help rectify the problem of astigmatism as it will eliminate the need to have glasses or contact lenses and is a painless procedure that only takes ten to twenty minutes to do.

Astigmatism lasik surgery uses the accuracy as well as precision of the excimer laser and Lasik makes alterations to the shape of the cornea thus improving the way that light gets focused or refracted by the eye. The basic astigmatism lasik surgery procedure is to first lift the thin layer of the cornea with an instrument called a microkeratome that glides across the cornea. Then, taking less than one minute, cool and ultraviolet laser pulses emanating from the excimer laser will help to reform the internal cornea with accuracy levels of up to 0.25 microns.

Through the adjustment of the pattern of the laser beam with the help of a computer, it becomes possible to treat high levels of astigmatism and after reshaping of the tissue, the flap gets put back in its original position and due to the cornea's natural Velcro-like bonding qualities, the process of healing is very quick and also may not require any stitches.

This kind of lasik surgery is often performed as an outpatient procedure and takes less than half an hour to perform and is also done with the use of eye drop anesthesia and the patient would not feel any pain though there may be mild discomfort on the first evening after the surgery and this may be alleviated with a pain killer.

Source: <http://www.articlecircle.com>

### About the Author

Scott Fromherz owns and operates multiple websites. For more information about lasik surgery go to <http://www.lasik-basics.com/> or <http://lasik-vision-correction.blogspot.com/>