

CK eye surgery

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Have you heard CK eye surgery? Actually CK has nothing to do with surgery at all. CK (conductive keratoplasty) uses radio frequency (RF) to reshape the cornea without scalpel or laser. In order to do that, the doctor will place a thin probe around viewing vision of the cornea in a circular pattern. Then the doctor will apply radio frequency to this ring pattern in order to steepen the central cornea by thermal contraction of the peripheral cornea which will increase the cornea curvature and make it more focus. CK procedure for each eye will be finished within approximately 3 minutes.

Similar to LTK, CK does not require any corneal tissue to be cut. The patient who may not like the concept of LASIK may prefer this procedure. Unlike LTK, CK apply heat through a radio frequency probe instead of a laser. Studies suggest that CK patient experiences less refractive regression effect than LTK patient. This might be resulted from the methodology itself that deliver a deeper and more uniform distribution of heat.

CK was developed by Refractec and was approved by FDA on April 16, 2002. This procedure is intended for the temporary reduction of moderate farsightedness (+0.75 to +3.25 diopters). It is more popular to treat presbyopia, farsightedness in natural aging process. Presbyopia make people with the age over 40 require glasses or contact lens to read newspaper, books, price tags, menu, etc. CK help steepen the cornea and make the eyes precisely focus light on retina and make these people see clearly again.

CK is painless procedure, but some patients might feel a slight pressure on the eye. Both eyes can be done during the same visit make it very convenient treatment. Some people should not undergo CK if they wear an electronic equipment such as pacemaker for regulating your heart. This because of the possibility that radio frequency might interfere the proper function of these electronic device.

After CK, the doctor will give you a prescription for eye drops to prevent infection and reduce inflammation. Sometimes the doctors may require you to wear bandage contact lenses for a few days to minimize discomfort. Patient can leave the doctor's office right after CK treatment, but they can't drive immediately. So it would be better to bring a company along with your doctor visit.

Patients who took CK will notice vision improvement immediately. They can clearly see up close, read newspaper and see their watch. However, the eyes might have fluctuate vision a couple weeks before it can correctly adjust their final focus. Patient may feel discomfort, the eyes may have a lot of tears and has irritation feeling for the first 48 hours after CK. Sometimes patient may experience a slightly vision over-correction which allow them to see clearly close vision, but blurry distance vision. This condition will be stable over the next weeks. However, new surgical techniques can assist patient to have less regression and more stable refraction.

It is very important to realize that your eyes still aging normally, you may have a presbyopia and need vision correction again over time. You can repeat CK treatment as are other kinds of refractive surgery of your choice to re-correct your vision.