

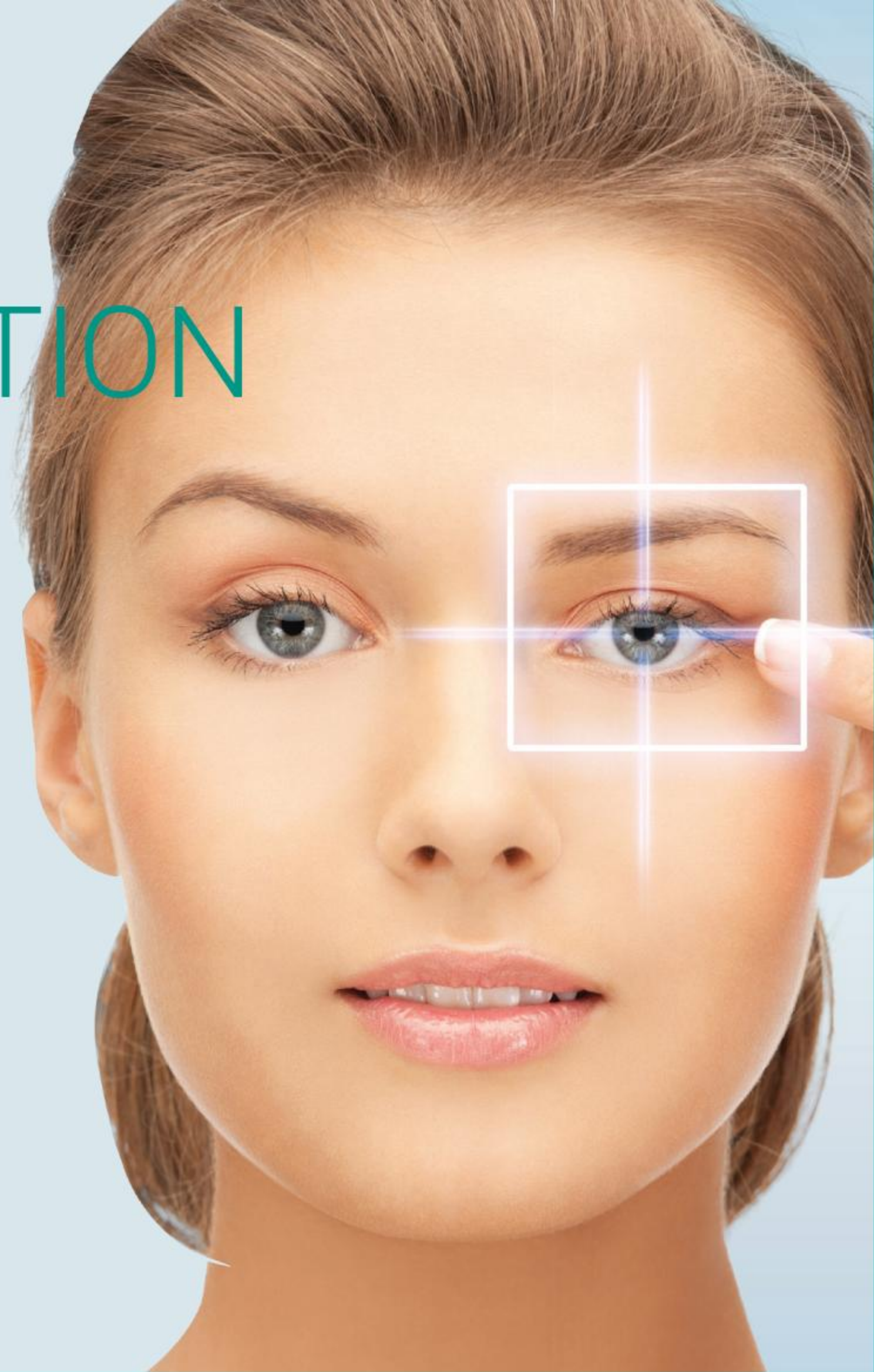
LASER VISION CORRECTION

THROW AWAY THE GLASSES FOREVER!

EYE HOSPITAL
LUXOR
Dr TASKOV

Who gives sight, gives life!

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REFRACTIVE SURGERY SAFETY – SPEED – PRECISION

Refractive surgery is a method of correcting nearsightedness, farsightedness and astigmatism by changing the shape of the cornea. This is achieved by the effects of femtosecond and excimer laser. The modern and dynamic way of life makes the laser correction a very important branch of the eye surgery. It has been a widely practiced method of vision correction over the last twenty years in the US and Europe. Millions of people have thrown away the uncomfortable glasses and contact lenses and have improved their quality of life.

TECHNOLOGIES

In Eye Hospital Luxor we use excimer laser Carl Zeiss MEL 80 and the last generation of femtosecond laser Alcon's LenSx, which is used for fine preparation for the removal of the diopters. The high-tech laser system MEL 80 allows correction, which is closest to the ideal optical surface. A series of impulses remove small parts of the corneal tissue (ablation) needed to correct the visual anomaly /nearsightedness, farsightedness and/ or astigmatism/.

In addition, the other eye structures remain unaffected, as an additional high-tech device (tracker) constantly monitors the smallest eye movements and compensates for the position of the laser beam. With any larger deviation of the eye, the tracker automatically interrupts the procedure and after centering, the laser finishes the ablation. A huge advantage of the MEL 80 excimer laser is the pulse rate. Thus, in Eye Hospital Luxor, 5 diopters of myopia are corrected in 16 seconds. Long-term observations and studies show that in a large percentage of individual vision correction, the result is excellent and no additional correction is required. To ensure the best possible vision, in Eye Clinic Luxor we perform personal ablation to each patient.

Alcon



ZEISS



LASER PROCEDURE

Custom CRS Master

The WASFA /Wavefront Aberration Supported Custom Ablation/ device prepares a three-dimensional color map, unique for any patient, similar to fingerprinting. The corneal topograph ATLAS makes a map of the cornea, taking into account any unevenness on its relief.

Using Cirrus 5000 computer for Optical Coherence Tomograph /OCT/, a high-resolution image is created - pachymetry mapping that gives an accurate idea of the corneal thickness at its different points. The computer system CRS - Master combines and processes all the data from the different analyses done with aberrometer and topograph, as well as pachymetry and refractometry values.

The information analyzed by the system is used for correction even of the smallest eye anomalies, as well as any additional visual imperfections of the human eye. Thus, the patient has better visual comfort in poor lighting, the halos and the glare around the light sources at night are significantly reduced.

Femto-LASIK

Laser correction at highest level

Not all laser procedures are the same. Different clinics use different technologies and protocols to perform the different components of the laser vision correction.

There is one procedure preferred by the people who demand even more crystal-clear and even more precise vision – Femto-LASIK. The procedure combines the advantages of several high-tech laser machines, in order to offer precision, safety and results, which are unmatched in every respect.



PATIENT INFORMATION

Before the laser vision correction, the patient should have a full eye examination, in order to check the condition of their eyes. The anesthesia is only drops. During that time the patient is looking at flashing red light. After the laser system is triggered, the patient does not feel its action, but only hears a characteristic low noise. The procedure lasts only a few seconds. At the end of the intervention, drops are applied to the eye of the patient, and date and time for follow-up are scheduled. After the procedure, the patient should rest with closed eyes or sleep for 5 to 6 hours, as mild redness and burning of the eyes may occur. Wearing safety glasses is required. Treatment is continued with drops - antibiotic, corticosteroid and artificial tears. It is not allowed to press and rub the eyes, as well as bathing in natural and artificial bodies of water for 3-4 weeks, hot baths, saunas and practicing contact combat sports. On the next day after the Femto LASIK vision correction, the first control checkup is done to check the condition of the eye. After the laser procedure Femto LASIK, there is some eye irritation and tear discharge for no more than twenty-four hours. In the surface laser procedure PRK, a temporary contact lens is used as a dressing to reduce irritation, which may take about three to four days.

After the Femto LASIK procedure the vision usually improves after 5 to 6 hours of sleep following the correction, however, the vision will be completely clear after about a month. In the laser correction of the plus diopters /farsightedness/ the vision is completely restored a bit more slowly. After the PRK procedure, the first improvement is noticed as soon as the contact lenses are removed - on day 4 - 5, as the visual acuity gradually increases and the vision reaches its maximum in about three months. The consultation for laser vision correction is of great complexity and precision. The duration is about two hours. Probably a pupil dilation will be necessary, which makes driving and reading difficult in the next 1-2 days. If you wear contact lenses, before the consultation for laser correction you need to take them off for one week, if they are soft and for one month if they are rigid. This is necessary for precise diagnostics of the eye condition. In Eye Hospital Luxor we offer high-quality, precise and patient-friendly service, which is further guaranteed by the fact that we have been chosen as the Reference Center of CARL ZEISS. We will justify your trust thanks to our state-of-the-art equipment, as well as the high qualification and motivation of the medical staff.