

What is a cataract?

A cataract is a condition in which the lens of the eye becomes clouded or opaque. When this occurs, visual disturbances (such as glare or fuzzy vision) may make daily activities more difficult.

What is cataract surgery?

Cataract surgery is the most frequently performed surgical procedure in the world. In traditional cataract surgery, the surgeon uses hand held instruments to manually create a circular opening in the outer shell of the cataract. Next, the surgeon uses instruments to break up and remove the cataract. Finally, the surgeon implants an artificial intraocular lens (IOL) inside the remaining shell to replace the natural lens.

In recent years, laser technology (which is used in procedures like LASIK) has been incorporated into cataract surgery to enhance the precision and accuracy of the procedure. Dr. Pham uses The Catalys Precision Laser System from Optimedica. It is the world's most sophisticated laser cataract surgery system. The result of years of development and clinical study, Catalys delivers industry-leading precision and a premium experience for patients.

How does laser cataract surgery work?

The Catalys Precision Laser System features a state-of-the-art laser, advanced 3D imaging, sophisticated software, and other unique features that deliver a precise, customized procedure with exceptional patient comfort.

Catalys enables surgeons like Dr. Pham to create a perfectly sized, shaped, and centered circular incision to access, break up, and remove the cataract. This precise and accurate incision allows Dr. Pham to place the artificial intraocular lense (IOL) in the exact intended position. Using the Catalys System, the cataract is removed much more easily and very gently. With the help of sophisticated laser pattern scanning technology, Dr. Pham can create grid-like patterns in the cataract to aid in its break-up and removal.

Is laser cataract surgery safe?

Absolutely. Dr. Pham's Catalys System uses advanced 3D mapping and image-guidance software that ensures that the laser pulses are delivered only to the intended treatment area, protecting the surrounding eye anatomy. In addition, the Catalys laser system allows for gentler and easier cataract removal.

With Catalys, each individual treatment is pre-programmed into the system to improve accuracy and reduce the total procedure time. In addition, the Catalys laser system is uniquely designed to maximize patient comfort.

How precise is laser cataract surgery?

Catalys delivers precision that is unmatched in the industry, producing incisions that are accurate within tens of microns. To put this level of accuracy into perspective, the average width of a single human hair is 85 microns. This precision allows Dr. Pham to place the IOL in a patient's eye with the utmost accuracy.

To receive a consultation, please contact Dr. Pham's Aesthetic & Refractive Medical Center at 408-998-8110