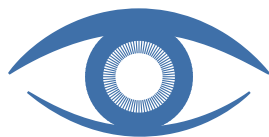


The Nation's Most
Experienced Ultra-Thin Flap
LASIK & Relex SMILE[®] Center

ZEISS



MANHATTAN
LASIK CENTER

"The Pioneer in ReLEx SMILE in the Tri-State"

manhattanLASIKcenter.com

1st LASIK Center in the Northeast to Offer the Revolutionary ZEISS VisuMax Femtosecond Laser For the Most Precise, Gentle and Safest Femto-LASIK

Carl Zeiss, the world-renowned German manufacturer with over 160 years of experience in the development of optical systems and medical devices, is the maker of the VisuMax laser system.

This ground breaking high-performance femtosecond laser technology is characterized by its outstanding flap-making precision, unsurpassed speed and gentle treatment technique.

A curved contact glass as ingeniously designed to match the cornea

The surface of the human cornea is curved and the VisuMax is the only femtosecond laser to employ a curved contact glass to maximize patient comfort. This means more comfort for the patient.

High-precision optics

The high precision optics from ZEISS provide an extremely focused laser beam with minimum laser energy (7 times less energy than other femtosecond lasers) to create ultra precise, ultra safe, and ultra gentle flaps.

Gentle treatment technique

The VisuMax allows the most comfortable flap creation procedure available today. Its curved contact glasses allow a more natural fit on the cornea and significantly reduce any pressure on the eye.

Efficiency paying off

With a laser pulse frequency of 500kHz, the VisuMax realizes shorter treatment times.

Smart Unit

The treatment bed of the VisuMax is extremely sophisticated to ensure maximum comfort. The patient's position is continuously monitored during treatment helping to maintain the perfect, gentle contact pressure optimal for flap creation.



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Why Choose Us



PIONEER

MLC is the 1st Center in the New York tri-state area to offer the flapless and gentlest ReLEx SMILE procedure and the 1st Center in the Northeast to offer ZEISS VisuMax Femto-LASIK procedure.

MOST EXPERIENCED

Our Cornell, Columbia and Harvard trained surgeons are dedicated 100% to LVC and they are fellowship-trained Cornea and laser vision correction Specialists. MLC surgeons have performed over 100,000 successful procedures over the last 20 years! **As of 2018, MLC is also the leading Center in the nation to have performed the most SMILE LASIK procedures**

STATE-OF-THE-ART TECHNOLOGY

MLC is one of North America's largest LVC providers offering the most advanced technologies: 2 ZEISS VisuMax FS 500 Lasers, Nidek CX3, Intralase iFS 150, and the most sophisticated diagnostic testing and software to track, analyze and optimize the outcome of each procedure we perform.

CUTTING-EDGE TECHNIQUE AND EXPERTISE

Our MLC surgeons utilize the world's most advanced ZEISS VisuMax femto-second laser to create 80 micron ultra-thin flaps. Their technique and expertise in precisely and safely creating the world's thinnest flaps help to produce a stronger post-operative cornea with extra tissue, less discomfort, shorter recovery times and significantly reducing the risk for post operative dry eye.



About Us and Our Mission

I welcome you to Manhattan Lasik Center (MLC) for this wonderful and important occasion. To improve one's eyesight with the goal of independence from spectacles and contacts is one of life's significant moments. We at MLC are prepared to make that process as comfortable, educational, and pleasant as we can. To that end, we will tap into our immense experience, cutting-edge technologies, and wonderful supportive staff to maximize your experience as well as your visual results.

Years ago, we had to make an important decision regarding the office locations where we perform our laser procedures. What sets us apart from other multi-office practices is that our two experienced surgeons do not travel or commute; rather we are primarily focused on our important task at our Park 55th location. Our satellites exist to provide added convenience for our patients during their pre- and post-operative visits. This also allows us to acquire, operate, and maintain the most up-to-date diagnostic and surgical technologies in one center hub. In the end, our patients benefit from the latest innovations, equipment and lasers along with focused and well-rested surgeons and staff to maximize the end result, your vision into your future.

From our first day, our mission has been to combine the latest techniques and technologies with expertise and experience to generate great results and freedom from glasses. It is no accident that MLC has become the foremost and largest provider of LASIK and Laser Vision Correction procedures and the pioneer in VisuMax Femto-LASIK and ReLEx SMILE in the NY tri-state area since its inception in 1998*.

Our state-of-the-art laser rooms, most up-to-date diagnostic equipment, and highly-trained and experienced staff have provided me and my associate Dr. Buchsbaum an ideal environment in which to successfully free thousands of people every year from their dependence on glasses and contacts. Over the past 20 years, we have treated over 100,000 New Yorkers, visitors from around the nation, and patients from all over the world with our revolutionary technologies.

Recently, we introduced two new state of the art procedures becoming the first center in the Northeast to offer the ZEISS VisuMax Laser for a gentler, more precise corneal flap making process and the first center in New York tri-state area to offer the ReLEx SMILE procedure for the treatment of nearsightedness and astigmatism. We welcome your input and questions during your visit at MLC, and look forward to making this "vision improvement" process a rewarding, enjoyable, and memorable journey for you.

Kevork K. Niksarli, MD
Manhattan Lasik Center
Founder and Medical Director

*Based on procedures performed at any single location.

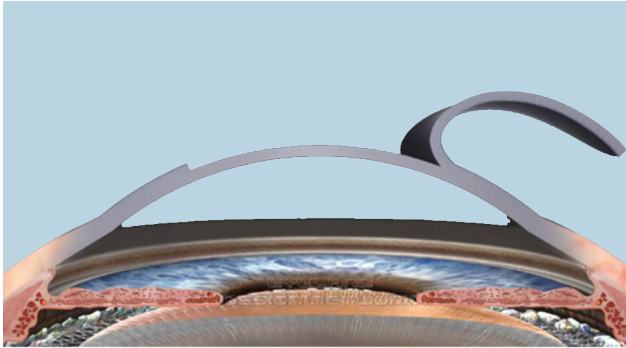
MLC is proud to be the nation's leading Center to offer the world's most advanced, gentle and flapless ReLEx SMILE laser vision correction and the 1st to have performed this revolutionary procedure on the East Coast!



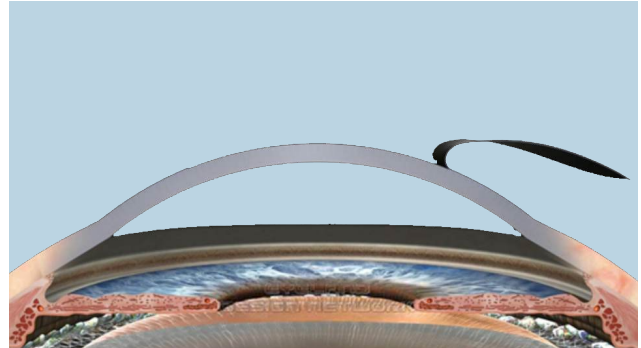
Manhattan Lasik Center is a state-of-the-art laser vision correction center headquartered at 110 East 55th Street (between Lexington and Park Avenue), in the heart of Midtown Manhattan. With the experience of over 100,000 successful LASIK procedures performed at our centers over the last twenty years, we have achieved the status of a "Center of Excellence for LASIK".

Our medical director Dr. Niksarli's extensive experience and expertise in Laser Vision Correction, our meticulous attention to details, most advanced equipment and laser technologies, humidity and temperature controlled laser rooms, and careful screening of patients, have helped generate outstanding LASIK results over the past two decades.

Femto-LASIK: Safely Creating the Thinnest Flaps in the Nation



Typical Bladeless LASIK Flap with 100-120 micron thickness.



Zeiss VisuMax Femto-LASIK Ultra-Thin Flap with 80 micron thickness.

Femtosecond LASIK is a method of Laser Vision Correction that employs an infrared beam of light to create an ultra-thin flap (much thinner than the flap created during traditional blade-based LASIK) via a process called photodisruption. This process uses highly focused, ultra-short duration laser pulses to divide material at the molecular level without impacting the surrounding tissue. The beam of laser is focused at a distinct point, creating a microscopic bubble of carbon dioxide and water vapor. Thousands of these bubbles are precisely positioned to define the flap's dimensions, and thickness parameters. The surgeon then lifts the flap to allow the laser treatment. When treatment is completed, the flap is accurately repositioned assisted by its beveled edge.

Surgeons agree that LASIK flaps created with femtosecond lasers have intraoperative and postoperative advantages over flaps created with microkeratomes.

"The latest state-of-the-art technology, ZEISS VisuMax offers us the most in LASIK safety, precision and versatility during thin-flap creation", comments LASIK surgeon, Dr. Niksarli.

In addition to leaving a thicker, stronger stromal bed on the cornea, thin flaps also diminish the risk of post-LASIK dry eye by causing less interruption of the corneal nerves. As a result, over the last several years, there has been a shift toward thinner and thinner flaps.

“The surgeons at MLC, during our VisuMax Femto-LASIK procedures, routinely create ultra-thin flaps of 80 micron thickness. We believe that our 80 micron ultra-thin flaps produce better visual results, more rapid visual postoperative recovery and a lower rate of enhancements, leaving the cornea stronger and significantly reducing postoperative dryness”

Dr. Niksarli, Surgical Director at MLC.

ZEISS VisuMax Femto-LASIK with 80 Micron Ultra-Thin Flap

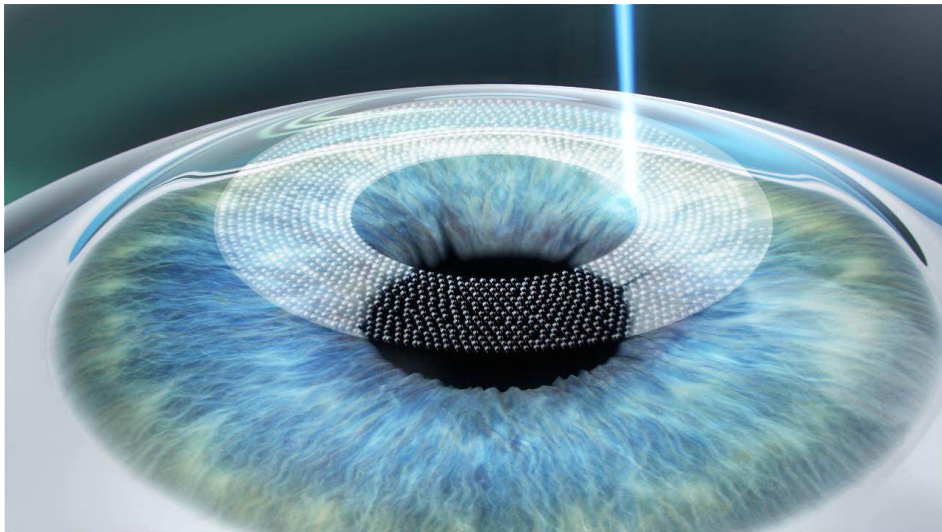
We remain committed to technological innovation for the benefit and safety of our patients. MLC became the first LASIK center in the Northeast to offer bladeless LASIK procedures using the ZEISS VisuMax laser system for a gentler, more precise 80 micron ultra-thin corneal flap making process.

Carl Zeiss, the world-renowned German manufacturer with over 160 years of experience in the development of optical systems and medical devices, is the maker of the VisuMax laser system.

The Zeiss VisuMax® is the most advanced femtosecond laser available in the U.S. today to create extremely thin, precise corneal flaps. The Zeiss VisuMax® provides safety and comfort features to patients that are years ahead of similar lasers. The VisuMax®'s unique curved patient contact surface allows a more natural fit with the cornea during flap creation and significantly reduces any pressure sensation on the eye during the procedure. Less pressure allows the patient to retain vision throughout the LASIK treatment which in turn serves to maximize the precision of the bladeless LASIK flap creation process by helping him or her to maintain constant focus during treatment. This results in the most comfortable flap creation procedure available today. For further comfort and convenience VisuMax® has an integrated system that allows the bed to adjust to patient movements during the procedure. Because of this, patient movements made during the procedure will not adversely affect the results.

Ultra-Thin Flap Creation with the VisuMax

Ultra-Thin Flap creation with the VisuMax is a completely bladeless procedure. During treatment, an accurately focused laser beam moves across and through the cornea, creating a layer of very tiny bubbles under its path. These bubbles disappear quickly and the tissue above the bubbles becomes the corneal flap that can be easily lifted by the surgeon. The computer controlled ZEISS VisuMax laser creates extremely thin and precise corneal flaps of 80 micron thickness. During this FemtoLASIK treatment, each patient's flap is planned precisely to fit their unique eye contour and fit seamlessly back into place, making the entire procedure very reliable and effective. The creation of the flap itself takes only about 15-20 seconds per eye. Including preparation time, the LASIK procedure takes about 10 minutes.



The Advantages of ZEISS VisuMax



A Contact Glass as Ingeniously Designed as the Cornea

The surface of the human cornea is curved and the VisuMax is the only femtosecond laser to employ a curved contact surface to maximize patient comfort. The size of the curved contact glasses are customized according to the patient's anatomy and physiology unlike other lasers. This technology allows a more natural fit and significantly reduces any pressure sensation on the eye during the procedure. Less pressure allows the patient to retain vision throughout the procedure unlike with other lasers, where your vision is "blacked out" for up to 30 seconds and patients have reported feeling

uncomfortable pressure. This results in the most comfortable flap creation procedure available today. Patients often describe the VisuMax procedure like the insertion of a soft contact lens.

High-Precision Optics and Minimal, More Precise Laser Energy

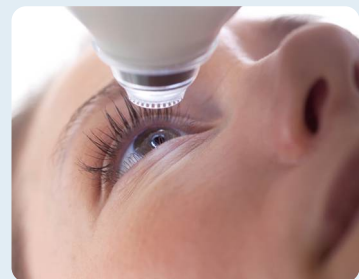
The laser energy settings of the VisuMax are also unique. The VisuMax is so precise that it requires 7 times less energy than other femtosecond lasers. Less energy is always key when treating the delicate tissue of the cornea. The high precision optics from Zeiss provide an extremely focused laser beam with minimum laser energy precisely to the desired ablation depth. Thus the tissue outside of the defined area of interest remains untouched. The result: minimal and more precise laser pulse energy to create more accurate, delicate and gentler flaps than any other femtosecond lasers.



Brilliant Visual Control

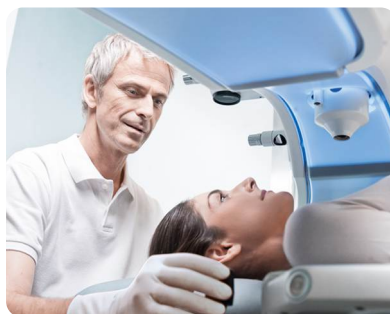
The integrated, high-quality ZEISS surgical microscope, including digital video camera for live recording of the surgical procedure ensures precise and complete control of each treatment step.

Efficiency Paying Off



A Smart Unit

The treatment bed of the VisuMax is extremely sophisticated to ensure maximum comfort. The patient's position is continuously monitored during treatment helping maintain the perfect, gentle contact pressure optimal for flap creation.



With a laser pulse frequency of 500kHz, the VisuMax realizes shorter treatment times, than the other femtosecond lasers. The creation of the VisuMax flap takes only about 15-20 seconds per eye. This means efficiency and more comfort for the patient.

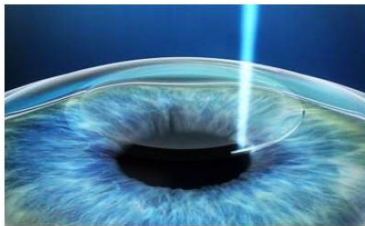
ZEISS ReLEx SMILE

The World's Most Advanced, Precise, Gentle and Flapless Laser Vision Correction

MLC is proud to be the nation's most experienced SMILE LASIK Center to have performed the most SMILE procedures and the 1st to have performed this revolutionary procedure on the East Coast!

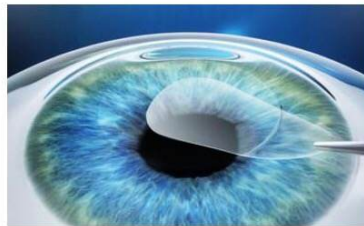
What is SMILE?

SMILE, also known as Small Incision Lenticule Extraction or ReLEx, is the latest advancement in laser vision correction for nearsightedness and astigmatism, providing LASIK-like outcomes in a minimally invasive procedure. SMILE is a one step, one laser, flapless procedure. During a SMILE treatment, the Zeiss VisuMax femtosecond laser will create a lenticule, which is a disc shaped tissue, inside the cornea. The lenticule will be extracted through a miniscule incision of less than 4 mm. The procedure takes only a few minutes from start to finish. Over 2.5 million people worldwide have experienced clearer vision thanks to SMILE.



Step 1:

In a single step the VisuMax femtosecond laser creates a thin lenticule and a small access measuring less than 4 mm in the intact cornea.



Step 2:

The surgeon removes the lenticule through the small access. There is minimal disruption to the biomechanics of the cornea. No flap needs to be cut.



Step 3:

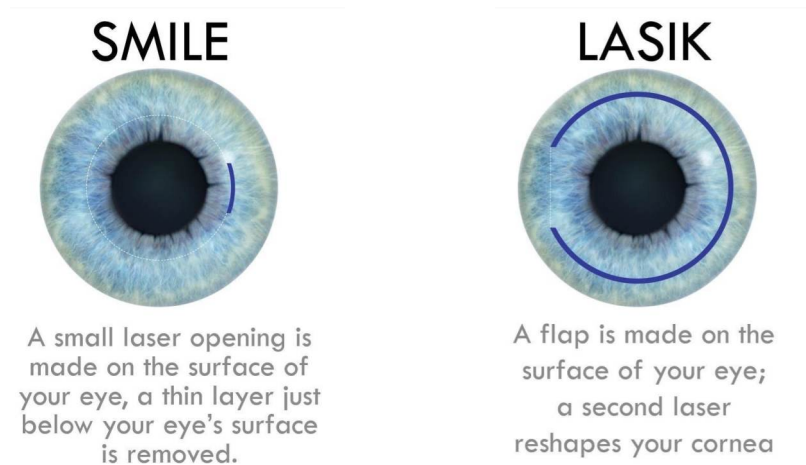
The minimally invasive removal of the lenticule changes the shape of the cornea, correcting the refractive error of the eye.

Why SMILE?

- The world's most advanced, safest and precise laser vision correction to improve nearsightedness and astigmatism.
- Minimally invasive and gentle treatment with only a 4 mm key-hole incision in your cornea.
- No flap surgery, thus eliminating the risk for flap-related complications and significantly reducing the incidence of post-surgery dry eyes.
- Supporting a comfortable and stress-free patient experience.
- Fast visual recovery and minimal discomfort.
- Excellent visual outcomes with high predictability.
- Painless, odorless and silent procedure.
- More advanced treatment option for athletes engaging in contact sports, flight crews, military and first responders.

What makes SMILE different from Femto-LASIK?

Laser vision correction helps correct refractive errors such as nearsightedness, farsightedness and astigmatism. During the millions of PRK and LASIK procedures that have been performed, an excimer laser gently reshapes the cornea so that light focuses better. Now we're offering our patients the revolutionary SMILE procedure, the 3rd generation of laser vision correction which is based on small incision technique performed with the high-precision Zeiss VisuMax femtosecond laser. It combines the advantages of both PRK and LASIK and also reduces their shortcomings. SMILE is a minimally invasive flapless procedure. It seems laser vision correction with SMILE has never been more advanced tissue preserving and gentle for the eye than today.



Which is better, SMILE or Femto-LASIK?

This is one of the most common questions we hear, and many patients want to know which procedure is “better.” The fact is that both LASIK and SMILE are proven, consistent procedures, and can help create clearer vision and reduce or eliminate your need for glasses and contacts. Understanding the difference between the two types of procedures can help you understand why SMILE can be the best option for your unique eyes. Generally speaking, SMILE is the gentler and flapless laser vision correction option and significantly reduces your risk of post-surgical dry eye. Based on the anatomy of your eye and lifestyle goals, your surgeon can recommend the right procedure for you.

“I couldn't be happier, my vision is perfect. No dry eyes and no discomfort at all at this point. I would definitely recommend doing SMILE with Manhattan Lasik Center if you are a candidate.”

Taylor B. - MLC ReLEx SMILE patient.

Understand the Facts of SMILE

A SAFE AND PRECISE TREATMENT

SMILE is a one-step, one laser procedure that is less invasive than LASIK. The corneal opening of the SMILE method is significantly smaller (4 mm) than a LASIK flap (20 mm). Thus the cornea remains biomechanically stronger after SMILE.

NO FLAP COMPLICATIONS

Although flap complications are very rare with a LASIK incision, they are completely eliminated with a SMILE treatment due to the keyhole technology (flapless treatment with a 4mm keyhole incision to extract the lenticule).

REDUCED CHANCE OF POST-SURGERY DRY EYE

There is no need for flap creation with the SMILE procedure and the cornea remains stable and the flow of tears is hardly disturbed compared to LASIK. Since SMILE is a gentler and flapless vision correction option, it significantly decreases the risk of post-surgical dry eye.

100% BLADELESS FEMTOSECOND TECHNOLOGY

The SMILE procedure exclusively uses the high-precision Zeiss VisuMax femtosecond laser. The femtosecond technology is regarded worldwide as the most modern, safest and most precise method for the correction of nearsightedness and astigmatism.

MORE COMFORTABLE

During SMILE treatment, patients experience a very comfortable procedure because the Zeiss VisuMax laser is creating the lenticule (a disc shaped tissue) and the small incision with less energy and pressure on the eyes.

QUIET AND ODORLESS

Both LASIK and PRK procedures use a second laser, called an excimer laser, during the procedure. This laser is known to create a loud "clicking" noise when used, which can be disconcerting to some patients. The excimer laser is also known to create a noticeable odor during a LASIK procedure. Because SMILE does not use an excimer laser, the procedure is both quiet and odorless.

FASTEST RECOVERY

SMILE is a flapless procedure. The small incision through which the lenticule is removed heals within hours. Since there is no risk of flap related issues, one can resume activities like swimming, outdoor sports etc. as early as the next day. Eye make-up can be applied by next day as well.

NOT A GOOD LASIK CANDIDATE? YOU COULD BE ELIGIBLE FOR SMILE

SMILE can possibly be an appropriate procedure for those who have been disqualified from LASIK due to these factors: Irregularly shaped or thin corneas, predisposition to dry-eye or chronic dry-eye syndrome, patients who perform sports or jobs with a lot of direct contact to the eyes.



What SMILE Patients Say

“I can't believe how amazing the SMILE procedure was.”

I chose SMILE because I was looking for fast recovery since it's hard to take time off from work. Dr. Niksarli and the team are amazing. No more contacts, no more glasses, I am happy to be seeing 20/20 for 2020!” – Alexandra J., SMILE Patient



“SMILE was a piece of cake! It was quick and recovery was speedy.”

Amazing results and amazing team! I have been wearing glasses for 30 years, and I was amazing at being able to see clearly less than 24 hours after the surgery. The results are fantastic. I would recommend SMILE to anyone who wears contacts on a daily basis.

– Crystal D., SMILE Patient

“Wish I had gotten this sooner! I had pretty bad vision with -5.75 prescription and astigmatism. I did the SMILE procedure. It was super quick, easy, and painless. I was able to wear make-up and go to my follow-up the next day. One of the best decisions I have made for myself.” – Danica C., SMILE Patient

“I am super happy with SMILE”

Everything is super clear. I would definitely recommend it.
– Kristin G., SMILE Patient

If I had known how easy and painless the SMILE procedure was, I would have done this years ago. MLC got me out of my contacts and seeing crystal clear world in less than 24 hours. Thank you for changing my life.”

– Megan G., SMILE Patient



“Having a minimally invasive ReLEx SMILE treatment in our center that prevents or minimizes dry eye postoperatively is a game changer. Now most patients can return to normalcy much faster without lingering dry eye issues and frequent use of lubricant eye drops.”

–Dr. Niksarli, Medical Director at MLC.

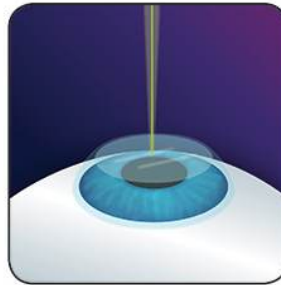
LASEK, PRK



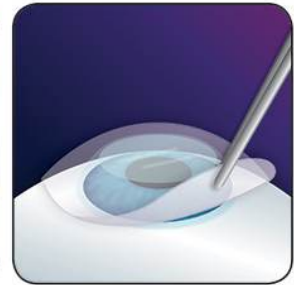
Step 1.
Alongside numbing drops, an alcohol solution is placed on the eye to help soften the cornea.



Step 2.
The surgeon then smooths the surface of the cornea with a special surgical instrument.



Step 3.
An excimer laser is then used to precisely reshape the curvature of the cornea's surface.



Step 4.
A bandage-like soft contact lens is then placed on the cornea to help protect the eye as it heals.

Some potential laser vision correction candidates may not be well suited for LASIK. For example, for patients with a thinner than average cornea, with a drier corneal surface, or with an atypical corneal shape, Advanced Surface Treatment may be a better alternative.

Advanced Surface Treatment is sometimes referred to as photo-refractive keratectomy (PRK), LASEK or Epi-LASIK. These procedures have the following in common: Only a very thin layer of the surface of the cornea (the epithelium) is scraped off without creating a flap and then the excimer laser is applied to reshape the cornea. After the treatment, the recovery is somewhat prolonged, because the healing of the surface (or regeneration of new epithelium) is a slow process that can take several days.

Most patients can return to normal visual activities in about four to five days after the procedure. The main difference between Advanced Surface Treatment and LASIK is that Surface Treatment has a slower visual recovery and involves more discomfort in the immediate post-op interval than LASIK. After Surface Treatment, patients are provided additional medications and instructions to reduce discomfort within the first 48 hours and facilitate recovery.

Surface Treatment has been demonstrated to provide a safe and effective alternative to LASIK, for those patients who are not suitable candidates for LASIK.

Following your comprehensive pre-surgical evaluation, our doctors will advise you which procedure will most benefit you.

Monovision



As the eye ages, the lens loses its flexibility and becomes unable to focus on near objects. This natural aging process, known as presbyopia, typically begins to develop around the age of 40.

Although people may call this “reading vision,” it is the vision used for eating, putting on make-up, looking at a watch, and other near tasks. If you are nearsighted and also presbyopic, you may use this to your advantage by removing your glasses or contact lenses to see up close. Monovision is a surgical option to help reduce a presbyopic person's dependency on reading glasses. Our doctors at MLC typically correct the dominant eye for distance, while the other eye is left slightly nearsighted, to allow for near/reading vision.

Monovision can help you maintain reading vision in one eye to avoid total dependence on reading glasses. With monovision you will slightly compromise your distance sharpness to avoid the reading glasses. A weak distance lens for the nearsighted eye may be helpful for night driving. Near glasses may be needed for times of extended or difficult reading. Many patients already experience monovision in their contact lenses, and are aware of its benefits and limitations.

Monovision is best for those people over forty who want to avoid reading glasses enough that they are willing to accept a slight reduction in their distance vision. For people with high visual demands like sports, full time drivers, or constant near work, MLC recommends full distance correction with glasses for near vision. Monovision is reversible with additional laser treatments, if desired, and generally at no charge.

If you are interested in monovision, our doctors will be happy to help you decide which procedure is best for you during your consultation.

Kevork Niksarli, MD

Experience & Expertise you can count on

Dr. Niksarli is one of the most sought-after and experienced LASIK surgeons in the nation. He is Fellowship trained in Corneal and Refractive Surgery, and is the founder of Manhattan LASIK Center.



He has successfully performed more than 100,000 laser eye surgeries at the state-of-the-art Manhattan LASIK Center, where he serves as the medical director and chief eye surgeon. In addition to his extensive medical training, Dr. Niksarli is also an engineer and computer scientist, which allows him to gain a deep understanding of the latest and most advanced laser technologies. His expertise has earned him a reputation as a LASIK pioneer. He is asked to lecture on a range of refractive surgery topics and is frequently referred difficult pre-and post-operative LASIK and refractive surgery cases from his peers.

Dr. Niksarli specializes in the surgical treatment of nearsightedness, farsightedness, and astigmatism, utilizing the most advanced laser vision correction techniques and technologies. These include Zeiss VisuMax Femto-LASIK with 80 micron ultra thin-flap, Zeiss ReLEx SMILE, PRK, LASEK, among others. Throughout the course of his impressive career in ophthalmology and Laser Vision Correction, spanning two decades, Dr. Niksarli has been recognized by many medical associations and organizations, for his contributions to the field. He has been selected as one of "America's Top Ophthalmologists", and is a recipient of the prestigious VISX Star Award, a recognition bestowed upon top 5% of refractive surgeons nationwide. He has also been selected as key opinion leader by Zeiss as one of the most experienced ReLEx SMILE LASIK surgeons in the nation.

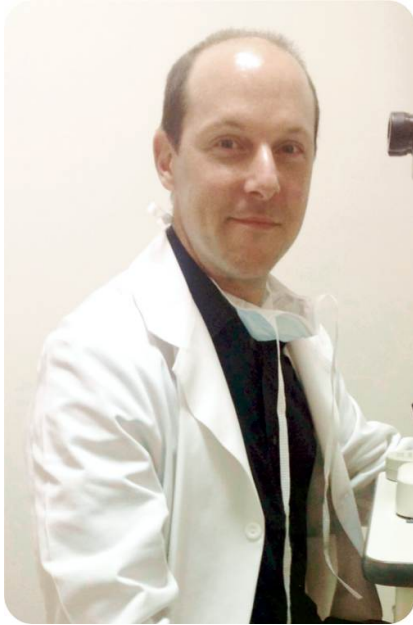
Dr. Niksarli studied at Columbia University, School of Engineering and Applied Sciences with full academic scholarship. His focus during his undergraduate years was primarily Computer Software and Hardware Technology, as well as Pre-medical studies. Upon graduating with high marks he was named in the Dean's List at Columbia University. Subsequently he continued his studies at Weill - Cornell University Medical School. During his years as a medical student at Cornell, he also engaged in extensive research, primarily in Ophthalmology. Upon receiving his M.D. degree with distinction in research and clinical programs, he pursued an internship in internal medicine, following which he was invited for a three-year ophthalmology residency at Lenox Hill Hospital, where he ascended the ranks to become the Chief Resident in Ophthalmology.

Dr. Niksarli further advanced his knowledge of ophthalmology at Harvard University, and based on his credentials, impressive surgical abilities, and outstanding academic achievements, he was invited to join a prestigious NYC fellowship program. The combined fellowship program in Cornea and Refractive Surgery at Manhattan Eye, Ear & Throat Hospital and Cornell University/New York Hospital further sharpened his skills in Lasik and Laser Refractive Surgery. In recognition for his high standard of patient care, Dr. Niksarli has been conferred the status of Diplomate by both the National Board of Ophthalmology and the National Board of Medical Examiners. He is also a member of several professional organizations, including the American Academy of Ophthalmology, the International Society of Refractive Surgery, the American Society of Cataract and Refractive Surgery and the New York State Ophthalmological Society, among others.

Dr. Niksarli serves on staff as Associate Professor of Ophthalmology at several prestigious New York City institutions including Manhattan Eye, Ear & Throat Hospital, Lenox Hill Hospital, and New York University Medical Center.



Our Doctors



Mark Buchsbaum, MD

Dr. Buchsbaum, a native New Yorker, attended the prestigious Cornell University where he received his B.S. degree in Biology. He continued on to earn his medical degree with honors from NY Medical College.

Dr. Buchsbaum completed his residency training in Ophthalmology at Saint Vincent's Catholic Medical Center in Manhattan, where he also served as Chief Resident. Dr. Buchsbaum has been with the practice since 2005 and has completed over 20,000 of LASIK procedures. He performs all of his pre- and post-operative examinations as well as surgical procedures with personalized attention to detail. He is a Diplomate of the National Board of Medical Examiners and is Board Certified by the American Board of Ophthalmology.

Adonya Blair, OD

Dr. Adonya Blair joined Manhattan LASIK Center in 2011. She graduated from the University of Houston College of Optometry after receiving extensive training in family practice, cataract, LASIK, and glaucoma co-management through internships in Houston, Texas and London, England. Dr. Blair practiced optometry in Texas and the Midwest before moving to New York in 2009 with her husband.

Dr. Blair began wearing glasses in elementary school and then wore contact lenses for several years before having LASIK surgery in 2000. She has enjoyed 20/20 vision since the day of her surgery, without the need for glasses or contact lenses. She will be glad to answer any questions about LASIK based on her personal and professional experience.



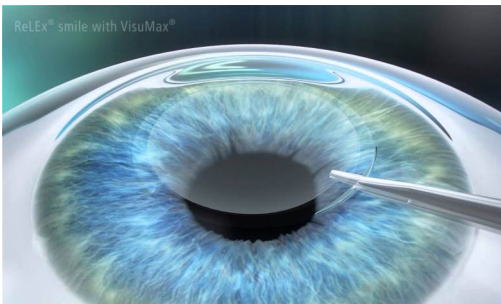
Most Advanced Technologies

ZEISS VisuMax FS 500kHz Bladeless Laser



Carl ZEISS, the world-renowned German manufacturer with over 160 years of experience in the development of optical systems and medical devices, is the maker of the ZEISS VisuMax FS laser system. This ground breaking laser technology employs high-performance femtosecond laser and is characterized by its outstanding ultra-thin flap-making precision, unsurpassed speed and gentle treatment technique. With a laser pulse frequency of 500kHz, the VisuMax realizes shorter treatment times. The high precision of the optics combined with minimal and more precise laser pulse energy creates more accurate, delicate, gentler and thinner flaps than any other femtosecond lasers. The surface of the human cornea is curved and the VisuMax is the only Femtosecond laser to employ a curved contact surface to maximize patient comfort. Patients often describe the VisuMax procedure like the insertion of a soft contact lens.

ReLEx SMILE with ZEISS VisuMax Laser System



With ReLEx SMILE from ZEISS, the VisuMax laser enables the fusion of cutting-edge femtosecond technology and precise lenticule extraction to provide minimally invasive vision correction. A precalculated refractive lenticule and a small incision with utmost accuracy and dependability are created in the intact cornea using ZEISS VisuMax femtolaser. Subsequently, the lenticule is extracted via a small incision of 4 mm, thereby achieving the desired vision correction. Without ablation, without a flap, the ReLEx SMILE treatment is a flapless, all-femto and single-step procedure to improve nearsightedness and astigmatism. To achieve the refractive correction, with ReLEx SMILE, a small incision of 4 mm is sufficient to remove the lenticule from the intrastromal layer of the cornea, thus preserving the corneal structure, keeping the cornea biomechanically stronger and significantly reducing the risk of post-surgical dry eye. Utilizing ZEISS VisuMax laser system, the ReLEx SMILE treatment embodies precision, predictability, reproducibility and perfection.

INTRALASE iFS 150kHz Bladeless Laser



The Intralase laser is a system that allows select LASIK surgeons to offer their patients a computer controlled alternative to traditional LASIK, which used to be performed with a mechanical device called a microkeratome. With IntraLase, the femtosecond laser creates a much thinner flap with predictable and uniform thickness. Patients with THIN corneas or HIGH prescriptions, who are not candidates for the older method, would become candidates with this technology. Also, with this advanced technology, more patients can avoid the longer recovery time of surface laser treatment, also known as PRK or LASEK. The IntraLase marks the most significant advancement in flap-creation technology, over the last several decades. Over the last several years THIN-FLAP LASIK with iFS 150 has become the procedure of choice at our center for most patients.



Nidek EC 5000 CX3

NIDEK EC 5000 excimer laser system is equipped with one of the most advanced eye-tracking technologies in the vision correction field. Its 200Hz infrared eye-tracking technology follows and responds to tiny eye movements within 5/1000th of a second. This in turn translates into an incredibly smooth corneal treatment surface and faster patient recovery. NIDEK is approved by the FDA for a wide range of nearsighted, astigmatic, and farsighted Lasik corrections. Its sequential treatment of astigmatism and nearsightedness ensures wide treatment zones, optimizing day and night-time quality of vision. NIDEK's extra-quiet, accurate and rapid treatment minimizes patient anxiety during the treatment, and ensures quickest recovery.



Pentacam HR

The Pentacam HR images the anterior segment of the eye using a specialized high resolution rotating camera that provides pictures in three dimensions. The rotating camera system is able to precisely measure the center of the cornea, which is most critical for refractive surgery planning and delivering great vision postoperatively. Using 3-D image stitching technology the Pentacam HR provides a complete 3-D image of the entire anterior portion of the eye delivering 25,000 true elevation points precisely and reproducibly. Since most refractive surgery alters the overall strength of the cornea, it is critical that we know the pre-surgical thickness of the cornea very accurately. With its 25,000 data points, the Pentacam HR provides the most accurate corneal thickness measurements in the world. The Pentacam HR also measures changes in both the front and back surface of the cornea thereby providing the most information possible about the health of the eye prior to surgery.



WaveScan Wavefront System

The wavefront CustomVue procedure tailors a unique correction for each individual patient, and for each individual eye. It captures a "digitized" image of the patient's eye including the corneal contour. The measurements are captured at a computer station called Wavescan, and then are transferred to the laser. The surgeon performs the LASIK procedure treating the cornea in a unique pattern utilizing an advanced algorithm. Our doctors will advise you whether your eyes will need or benefit from the wavefront CustomVue treatment.



Orbscan 2

The Orbscan's high-tech computer can actually read and interpret the contours of your eyes and produce an incredibly detailed topographical map of your eyes. This full-color map tells the surgeon all he needs to know about your eyes' precise characteristics such as elevation, inclination, curvature, and thickness.



Marco TRS System

TRS System from MARCO combines the latest generation of electronic refraction technology. Replacing the standard manual refractor, which is still used so commonly in most doctors offices, it takes the guessing game out of the equation. Commonly, patients are nervous about giving the wrong answer to the question the doctors ask multiple times: "which is better? 1 or 2?" That's tough enough for most people even for a new pair of eyeglasses, let alone before a permanent procedure. That's why we have invested in most up-to-date available automatic refraction systems which are still not found at many other laser centers. They communicate with our state-of-the-art auto-refractors, which read off the prescriptions from your eyes in just seconds. On the day of the surgery, to confirm the readings, you will be shown what the computer has generated for your prescription numbers, including nearsightedness, farsightedness, and astigmatism. After refinement of these numbers further by the surgeon, they are fed into the computer of the laser system. The laser will know exactly how the treatment will be performed. All these, courtesy of the most advanced refraction system available today.

SMILE / LASIK FAQs

How long does the procedure take?

SMILE: Typically, 15-20 minutes total, with 12 secs of quiet and odorless laser treatment.

LASIK: 60 secs for flap creation in addition to 10-40 secs for the 2nd stage of LASIK treatment.

Does it hurt?

SMILE: Prior to your SMILE procedure, anesthetic drops are used to numb the eye. There is no pain or pressure sensation during the procedure. Afterward, your eyes may feel slight irritation for a few hours, but most patients are back to normal after taking a short nap.

LASIK: Prior to your LASIK procedure, anesthetic drops are used to numb the eye. Although most patients say there is no pain during the procedure, some report feeling mild pressure or vibration. Afterward, your eyes may feel slight irritation for a few hours, but most patients are back to normal after taking a short nap.

How soon can I drive after the surgery?

SMILE / LASIK: After the one-day post-of visit, if you feel safe and comfortable.

How soon can I go back to work?

SMILE/LASIK: Most patients can return to work next day.

When can I wear make-up?

SMILE: The very next day of surgery.

LASIK: Avoid eye make-up for one week. Other facial make-up can be applied in moderation.

How soon can I go swimming?

SMILE: In a few days.

LASIK: After two weeks. (This includes hot tubs and pool water.)

How soon after surgery can I watch T.V. or use the computer?

SMILE/LASIK: Next day. T.V. and computer screens will not harm your vision. However, you should get as much sleep as possible and rest your eyes on the day of your procedure.

How soon will I be able to exercise?

SMILE: In a few days.

LASIK: No aerobic activity for a week and use sunglasses for outdoor activities.

How soon can I take a shower?

SMILE/LASIK: You can take a shower the next day. Patients should try to avoid getting water in the eyes and any touching or rubbing the eyes, and be especially careful when using soap products near the eye.

When can I travel?

SMILE/LASIK: Your doctor will advise you. Make sure to keep your eyes lubricated while you are in flight.

What medication is not advisable before or after surgery?

SMILE/LASIK: Patients should continue their normal medications. All medications should be discussed after surgery.

How often should I use eye drops after the procedure?

SMILE: Because there is no flap creation, most patients do not have postoperative dry eye issues and they don't need to use lubricant eye drops frequently.

LASIK: Due to flap creation, patients may face temporary postoperative dryness and will need to use lubricant eye drops for a few months.

How will I know which procedure I need to have?

Your MLC doctor will determine which procedure is right for your vision by taking into consideration your corneal thickness, prescription and astigmatism level.

Still have questions?

manhattanLASIKcenter.com

What LASIK / PRK Patients Say



"I walked in having worn glasses for 17 years and walked out with 20:15 vision!"

I literally rode my motorcycle 1,636 miles a week after having LASIK done by Dr. Niksarli... the first time I've been able to ride without having to wear glasses under my helmet! Highly recommend LASIK at MLC! – Brian A., LASIK Patient

"This place is awesome! My eyes were 20/20 the next day after LASIK. 2 weeks afterwards and I'm still doing great. The team here is super nice and friendly." - Joe B., LASIK Patient

"The team and the doctor helped me with the smoothest transition!"

My experience at MLC was amazing, from the beginning to the end. I must say the entire process from having a very high prescription to beyond perfect vision is everything and more. Thank you so much to the team and the doctor, they really are the best!"

– Celina M., LASIK Patient



"Deep gratitude for MLC! 3 days after the surgery I was able to part with my glasses that I had worn for 20 years and had 20/20 vision. Note that my prescription was pretty high, about -7.5 in each eye." – Shirin H., LASIK Patient



"The team was incredible!"

Throughout the entire process they made me feel comfortable and relaxed and the most importantly I had such trust and confidence in Dr. Buchsbaum and the team. If you need LASIK, I recommend MLC. I only have great things to say! – Aryeh L., PRK Patient

"LASIK at MLC was painless and I woke up the next morning with the best view out of my window!"

We are given 5 senses to play with in this life. Never to be taken grante for and always to recognize their privilege. Shout out to Dr. Buchsbaum and the great staff for making me feel welcome. – Allison C., LASIK Patient



I have been loving my no glasses life."

I love the freedom of having the convenience of being able to do what I want, when I want without having to worry about contacts, glasses. Now I can even make jokes like #start2020with2020 – Crystal P., PRK Patient



"Loved it! Had LASIK a month ago at MLC. It was super painless and easy. Now I can see better than I ever did with glasses or contacts which I didn't realize would ever happen." – Vlad H., LASIK Patient

Payment Options

Flexible Spending Accounts (FSA)

You can save up to 30% by using tax-free dollars to pay for LASIK. An FSA is a benefit offered by employers that allows their employees to pay for eligible health care expenses, such as LASIK, with pre-tax dollars. By using your FSA to pay for LASIK, you can reduce your taxes and save.

Insurance

Some health insurance plans and employers have arrangements with MLC that could substantially reduce the cost of LASIK. Ask your MLC coordinator if your plan or employer participates.

Tax Benefits

While LASIK can be deemed elective and not covered by insurance, it may be tax deductible, depending on your filing status. Please consult your accountant. Many patients choose to use their tax refund to pay for LASIK.

Credit Cards

Many patients opt to pay for their procedure using a personal credit card. This may be a good option, especially if you have a card that carries a low interest rate or offers points or other rewards. We accept all major credit cards.

Financing

MLC offers 0% financing with CareCredit and Alphaeon. Applying only takes a few minutes. Ask for an application; after you've filled it out and signed it, you'll get a fast credit decision, usually within minutes.





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