Enjoy the best view
your eyes in the right hands
Our medical team

MUDr. Martina Veselá, Ph.D., FEBO, MBA

Martina Veselá, MD, has successfully performed operations on more than 30,000 patients, she gives lectures at universities and international congresses, works on keratoconus research, and participates in the development of state-of-the-art ophthalmological devices.

Martina Veselá was born in 1976 in Košice, Slovakia, where she graduated from the Faculty of Medicine of the University of Pavol Jozef Šafárik in the field of General Medicine and gained her first medical degree (MUDr.) in 2000. She started to practice medicine after studying at the regional hospital in Prešov, where she acquired her first experience in ophthalmology. In 2003 and 2006, she gained the board medical certification of the 1st and 2nd degree at the Slovak Medical University in Bratislava in this field.

In 2008, she joined the renowned Gemini Eye Clinic in Zlín. Over time she worked for Gemini Clinic in Prague-Krč and Průhonice, where she had the opportunity to cooperate with the top specialist in the field of ophthalmology, senior lecturer D. Baráková, MD, CSc. In the following years, she worked at the well-established Lexum Eye Clinics in Prague under the supervision of Professor M. Filipč, MD, CSc., and senior lecturer Z. Hlinomazová, MD, Ph.D., and at the Eye Centre Prague under the supervision of the expert guarantor Professor P. Kuchynka, MD, CSc. Working at various clinics allowed her to gain rich experience from the renowned specialists in Czech ophthalmology and work with a variety of medical devices from world-class manufacturers.

She is a member of international ophthalmology societies, she cooperates with leading medical technology manufacturers, such as Ziemer, Schwind, Bausch + Lomb, Alcon and Oculus, and she gives lectures and presents papers at international ophthalmology congresses.

She has operated on more than 30,000 patients, of which 20,000 were cataract surgical cases, phakic, or intraocular lens replacements; approximately 12,000 cases included refractive laser surgery; and more than 1,000 cases of surgical treatments for keratoconus. This experience puts her among the leading experts in this field not only in the Czech Republic but also in Europe.

Considering her experience, Martina Veselá, MD, decided to open her own private ophthalmology office together with her husband and their colleagues and employ her own individual concept of this field. This is carried out in the Ellipse clinic, a.s.

ellipseclinic.com | see the difference
We put great emphasis on ensuring that our clinic is equipped with the best diagnostic and surgical technology. That’s why we have state-of-the-art devices that, thanks to their advanced technology, guarantee top results of any procedure.

**Diagnostic Technology**

**Schwind Peramis and Sirius**
The state-of-the-art set of diagnostic devices from the German manufacturer Schwind offers a combination of aberrometry, tomography (Scheimpflug camera), and corneal topography.

**Oculus Corvis ST and Pentacam HR**
The Oculus Corvis ST device is the key to assessing the biomechanical response of the cornea, tonometry, and pachymetry, which provides comprehensive monitoring of the viscoelastic properties of cornea and the pretomographic detection of keracotone.

**Nidek YC 1800 - YAG laser**
The photodisruption laser from the Japanese manufacturer Nidek YC 1800 is currently the smallest and lightest disruptor for ophthalmology available on the market.

**OCT Avanti RTVue XR**
Complex wide-screen OCT (optical coherence tomography) with the Angiovue functional angiography.

**Surgical Technology**

**Ziemer LDV Z8 multi**
At present, there is not a more advanced femtosecond laser available on the market that would be more precise or versatile than this model of the renowned Swiss manufacturer Ziemer.

**Schwind Amaris 1050 RS limited edition**
The Amaris 1050 RS model from Schwind, Germany, is the absolute pinnacle of current laser technology for refractive surgery.

**Leica Proveo 8**
The Swiss company Leica has represented the gold standard in the world of the most advanced and precise optics.

**Stellaris Elite**
The American company Bausch + Lomb is a manufacturer of medical devices for cataract surgery and for the surgical treatment of retinal diseases.
Our solution to your problems

The human eye is a sensitive organ that requires extra care and attention. You will get it at our clinic. Our complete medical team has a solution not only for your refractive defects, but also the cosmetic ones. Browse the most common issues we can help you with.

**Short-sightedness**
Short-sightedness (myopia) is a spherical refractive defect of the eye that causes blurred distant vision. In short-sightedness, the near vision is clear and the distant vision is blurred. In myopia, the eye is too long and/or the cornea is too curved, so the rays converge and refract before the retina and the brain interprets the image as out of focus. Short-sightedness is most often treated by laser surgery or implantation of phakic intraocular lenses.

**Long-sightedness**
Long-sightedness (hyperopia/hypermetropia) is a spherical refractive defect of the eye that causes blurred distant and near vision. In long-sightedness, the near vision is very blurred, and the distant vision is slightly blurred. In hyperopia, the eye is too short and/or the cornea is too flat, so the rays converge and refract behind the retina and the brain interprets the image as out of focus. We treat long-sightedness by laser surgery or by intraocular refractive surgery – phakic intraocular lenses, refractive lens replacement.

**Astigmatism**
Astigmatism is a cylindrical refractive defect of the eye that causes blurred distant and near vision. In astigmatism, vision at both distances is blurred due to the asymmetric curvature of the optical media, cornea and/or lens. In astigmatism, the rays break into two focus points, the rays converge and refract before and/or behind the retina, and the brain interprets the image as a fuzzy “double” vision. Astigmatism is commonly accompanied by other refractive defects such as short-sightedness or long-sightedness. We solve it by laser surgery or intraocular refractive surgery – implantation of toric lenses. In patients with keratoconus or corneal scars, the application of hard and hybrid contact lenses can be employed.
**Presbyopia**
Presbyopia is an eye defect that affects almost everyone, usually between the age of 40–45. Distance vision is usually clear, near vision is blurred because the lens loses its flexibility and thus the ability to focus at close range with age. When reading, people first put the text further away and later need glasses to read. Presbyopia cannot be permanently corrected with LASIK or PRK because laser surgery on the cornea cannot change the elasticity of the intraocular lens. The same applies to the implantation of a phakic intraocular lens. These methods can only provide compensation to a certain extent. Presbyopia can be permanently corrected by refractive intraocular lens replacement.

**Cataract**
Cataract develops over a period of time and disrupts the entry of light into the eye, affecting a person’s ability to see clearly. If left untreated, it causes a severe decrease in vision to the level of near total blindness. Usually both eyes are affected, in most cases, asymmetrically. When cataract develops, refractive defect or its worsening occurs. Cataract surgery completely and permanently changes the refractive state of the eye.

**Keratoconus**
Keratoconus is an ectatic disease of the cornea, which gradually becomes thinner and arches, resulting in irregular astigmatism and gradual deterioration of vision. The most significant progression of the disease occurs during puberty and around the age of 20. Early diagnosis and appropriate treatment are especially important.

**Pterygium**
Pterygium is a hyperplasia of the conjunctival fibrovascular tissue that grows over the eye cornea. It is an enlarged duplication of the conjunctiva found in the interpalpebral aperture, more often nasally. It is usually triangular, the grey “head” grows to the centre of the cornea, the base mounts on the limbus.

**Stye**
Chalazion is an acute purulent inflammation of the Meibomian gland located in the area of the tarsus. Symptoms of inflammation include redness, pain, and swelling with enlarged preauricular and submandibular nodes. Inflammation may develop into abscess or eyelid phlegm, or it may become chronic.
Everything focused on healthy eyes

If you have problems with your vision, we’ll help you. Together. We offer a sophisticated range of procedures to help you achieve the best prospects. Learn about the treatment methods offered by the Ellipse clinic and let your eyes see perfectly again.

**Laser Eye Procedure**
At our clinic, laser refractive surgery with excellent outcomes is performed by renowned refractive surgery experts. Treatment of laser refractive defect includes personalised refractive defect removal using LASIK femtosecond laser, non-contact surface ablation surgery or corneal surface remodelling by phototherapeutic keratectomy.

**Surgery of the Lens and Cataract**
At the age of about 40, presbyopia is beginning to manifest, our own lens loses its ability to change the optical power when looking into the short and long distance, focusing (accommodation) is weaker and patients begin to need reading glasses in addition to distance glasses.

**Keratoconus Treatment**
Keratoconus is an ectatic disease of the cornea resulting in irregular astigmatism and gradual deterioration of vision. Early diagnosis and appropriate treatment are especially important. The most significant progression of the disease occurs during puberty and around the age of 20.

**Phakic Intraocular Lens**
Thanks to the modern refractive surgery, we have another way to treat refractive (dioptric) defects in most patients for whom laser treatment is not appropriate for a variety of reasons, that is phakic intraocular lens implantation.
Financing

Above-standard is our standard. We can arrange individual financing. Whatever you expect, you will receive more. In the modern world, it is quite common and desirable not to invest your own funds unless necessary, even when purchasing a premium product or service.

Why pay for something right away when I can conveniently pay it in instalments and invest elsewhere.

We will be happy to discuss the general funding options for 12–36 months with you and we can provide you with a contact to our contractual partner for financing medical treatments – J&T Leasing, which is part of the major European investment finance group J&T.

As an Ellipse clinic customer, you will receive individual care from a personal banker and priority processing of your request for a specific calculation.

Financing example:

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Our philosophy

We do not see high-quality medical care as luxury, but as a standard. We combine our expertise and experience with a personal approach to always exceed our patients’ expectations. A true individual approach and the precision of any procedure coupled with the kindness of our entire medical team ensures that you will be taken care of perfectly.

Each person is unique and therefore needs individual care. No exceptions
Whether you come with a refractive disorder or require a cosmetic treatment, we will provide you with the treatment of highest quality. We will also provide additional services that take the medical procedure to a whole new level. If you wish, we can assist you with transport, financing, or even a tour of our enchanting city.

Genuine characters. On both sides
Physicians and clients. We listen to your needs and requirements so that we can offer you the most appropriate solution to your problems. Our aim is to ensure flawless outcomes and that you do not need to come to us again. At the same time, we strive to make the entire process so pleasant that you will want to come to us again.

Professional expertise
The Ellipse clinic medical team is made up of professional surgeons, physicians, optometrists, and nurses whose experience and interest in the field will ensure an optimal outcome. If you are looking for the highest quality in the care of your vision, you are at the right place.

Precision
When it comes to the eyes, no detail is negligible. Maximum concentration, extraordinary knowledge and commitment to our mission and our clients are our identifying marks. Although we approach each client individually considering their condition and requirements, there is one underlying concept: Absolute precision.