
MONOVISION

See more
without your
glasses

RayOne EMV

Intraocular Lens



Monovision

Is it right for me?

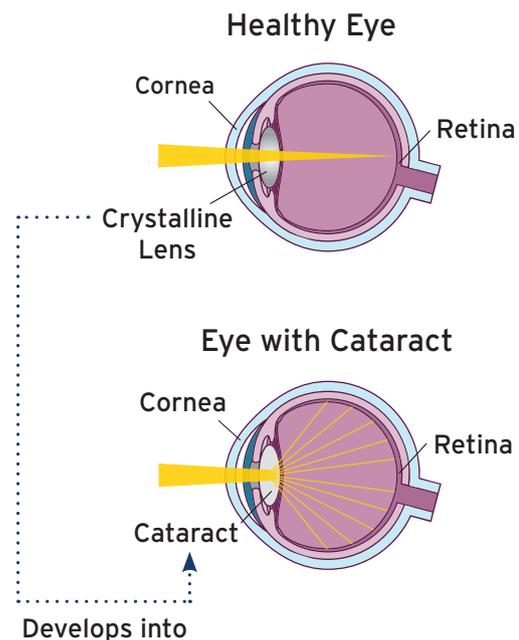
What is cataract surgery?

Cataract surgery is a common, safe, and effective procedure to restore your vision.¹ During the operation, your surgeon will remove the natural lens in your eye that focuses light and replace it with a small acrylic one, called an intraocular lens (IOL).

This new lens will correct the cloudy, faded, or blurry eyesight that you may be experiencing prior to surgery.

- There is little or no discomfort during cataract surgery²
- Most patients wish that they had surgery sooner due to their improved quality of life³

You should always consult your surgeon for a better understanding of the preparation, risks, and care for your eye after surgery.

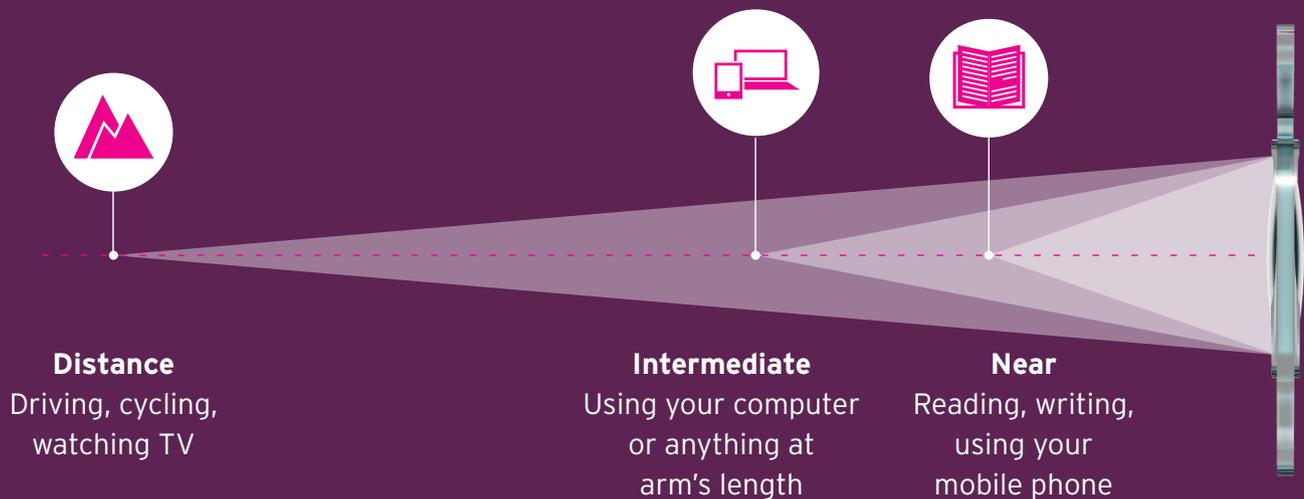


What is monovision?

Monovision is a popular surgical technique that allows you to have an increased range of high-quality vision without the side-effects that can be encountered with some other types of IOLs that deliver comparable vision.^{4,5} With monovision, your surgeon will work with you to determine two different IOL powers that individually provide single focal points, but work together to provide you with more functional everyday vision.

- 97% of monovision patients are satisfied with their visual outcomes⁷
- Over 80% report little to no continued use of their glasses.⁸

While monovision will give you excellent vision for distance and intermediate activities, you may still need to wear glasses for reading fine print.





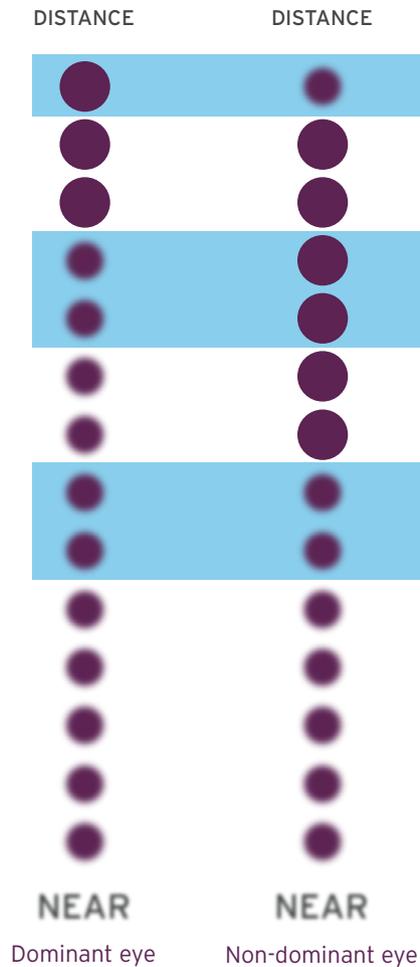
RayOne EMV

Intraocular Lens

Why should I choose RayOne EMV to restore my vision?

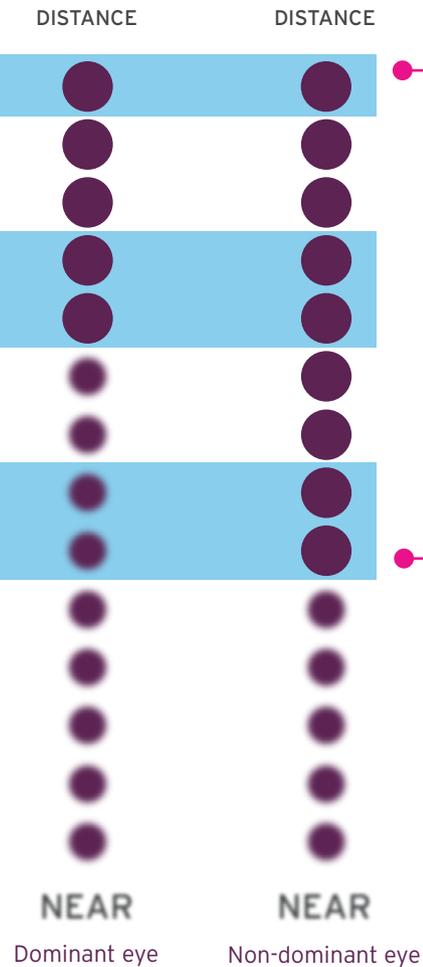
Monovision is a trustworthy and proven technique performed on millions of patients around the world each year,⁹ but when performed with IOLs other than RayOne EMV you could experience reduced visual quality at distance and a smaller range of intermediate vision. Other IOLs may even cause a small gap between the areas with crisp vision (sometimes referred to as the 'Not Sharply Focused Zone') in which you may have reduced visual clarity. However, as demonstrated in the image on the right, RayOne EMV is designed to solve all these problems.

Standard Monovision



1.0 D offset

RayOne EMV



1.0 D offset

**RayOne EMV
Benefit**

RayOne EMV has a unique optical design that provides uninterrupted vision throughout the entire visual range, eliminating the Not Sharply Focused Zone.¹⁰

It is also designed to offer clearer vision in low-light conditions and has the potential to increase your quality of vision for near activities compared to standard 'monofocal' lenses.¹⁰

How can I give feedback about my cataract surgery?

Before surgery, your surgeon may ask for your email address and consent to register you on an online system called RayPRO that is used to gather feedback on your satisfaction, visual outcomes, and any eye procedures performed after your cataract surgery.

You will be emailed five short questionnaires over three years which will confidentially collect your feedback and present it to your surgeon anonymously, no one will be able to see your individual answers. Your surgeon and Rayner (the developer of RayPRO and RayOne EMV) will have access to aggregated data for the purpose of improving future products and services.

If you have any questions about RayPRO, please speak to your surgeon or clinic team.





RayOne EMV

Intraocular Lens

References

- 1 Cataract Surgery. National Eye Institute, May 2019
- 2 Thompson, Vance. "Does Cataract Surgery Hurt?" All About Vision, Aug. 2017
- 3 Henderson BA, Solomon K, Masket S, et al. A survey of potential and previous cataract-surgery patients. *Clin Ophthalmol.* 2014;8:1595-1602
- 4 Rodov L et al. Visual outcomes and patient satisfaction for trifocal, extended depth of focus, and monofocal intraocular lenses. *J Refract Surg.* 2019; 35(7):434-440
- 5 Woodward M et al. Dissatisfaction after multifocal intraocular lens implantation. *J Cataract Refract Surg.* 2009;35(6):992-997
- 6 Sieburth R, Chen M. Intraocular lens correction of presbyopia. *Taiwan J Ophthalmol.* 2019;9(1):4-17
- 7 Zhang F, Sugar A, Barrett G. Pseudophakic monovision: A clinical guide. Thieme. 2018.
- 8 Zhang F, Sugar A, Jacobsen G, Collins M. Visual function and spectacle independence after cataract surgery: bilateral diffractive multifocal intraocular lenses versus monovision pseudophakia. *J Cataract Refract Surg.* 2011; 37(5):853-858
- 9 2019 IOL Market Report. Market Scope, LLC. 2019
- 10 Rayner. Data on file.



Published by Rayner

©2020. Rayner and RayOne are proprietary marks of Rayner.
Rayner Intraocular Lenses Limited, 10 Dominion Way, Worthing,
West Sussex, BN14 8AQ. Registered in England: 615539. EC 2020-76 09/20

RayOne EMV is not approved by the US FDA

*As with all surgical procedures, there are risks as well as benefits. The outcomes for a monovision intraocular lens cannot be guaranteed and it is important to be aware of possible effects on vision after surgery. Nothing contained within this document is intended to offer medical advice for the treatment of any illness or disease, nor is it a substitute for professional medical advice, diagnosis or treatment. Please discuss possible risks and side effects with your eye surgeon who will also advise whether this product is suitable for your condition. RayOne EMV intraocular lenses are for placement in the ciliary sulcus only.

Clinic details: