




Your vision | Your world

See more without
your glasses

RayOne EMV



 Rayner



The **happiest** patients are those who feel informed of their options.

Sight is one of life's most precious gifts

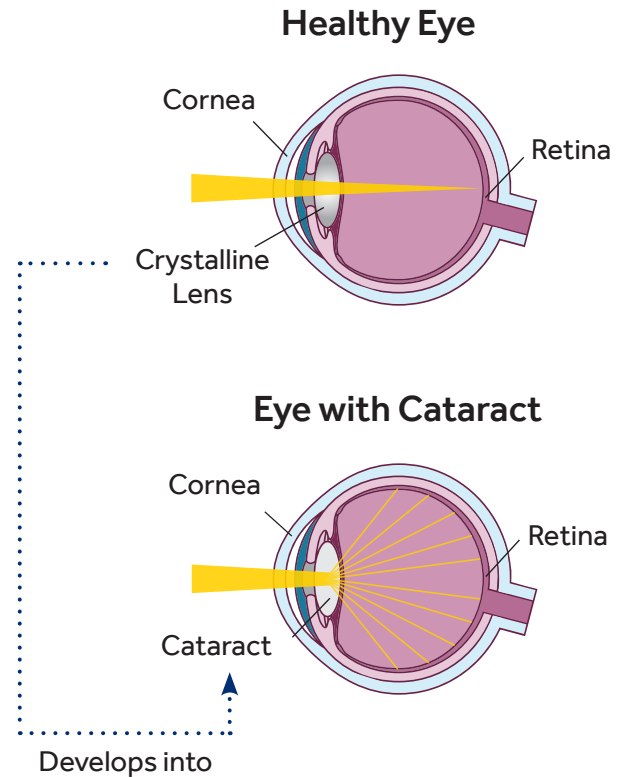
It's only natural that the quality of our vision decreases with age. Presbyopia is one of the most common eye problems, and many of us will resort to glasses for everyday tasks. Eventually, we may also develop cataracts which further decrease our quality of vision and increase our reliance on glasses.

Although the diagnosis of a cataract may not be welcome news, it is actually an opportunity to reduce the need for glasses and permanently improve your vision.

What are cataracts?

Cataracts occur when the natural lens in your eye becomes cloudy or loses its transparency, from the introduction of natural proteins that build up over time. Your vision becomes blurry, hazy or less colourful with a cataract. A common indication of when a cataract has developed is when your vision isn't as clear or bright as it used to be.

- Cataracts are very common; they mostly develop naturally with age.
- Globally, cataracts are one of the leading causes of vision impairment, with over 94 million people affected.¹
- Cataract surgery is a common, safe, and effective procedure to restore your vision.²
- There are more than 28 million cataract surgeries performed worldwide each year.³



Over **80%** of people over 60 years old develop cataracts.⁴

What is presbyopia?

Presbyopia is a natural occurrence that develops as you age. You gradually find it hard to focus on objects close to you, making tasks like reading small print, using a mobile phone, or working on the computer difficult. It is not a disease or illness; it usually affects everyone during the natural ageing process, and we resort to wearing glasses to improve our vision for these up-close tasks.

As the eye gets older, gradual changes to the natural crystalline lens inside the eye means that it loses some of its flexibility and therefore the muscles that control the lens shape are working extremely hard. At a certain age, this will mean that to help the eye focus on near objects, additional power is required.

How are cataracts treated?

The only way to remove a cataract is through surgery. The eye remains in its natural position and the cataract is removed via a surgical method called phacoemulsification and replaced with a tiny, acrylic intraocular lens (IOL).

What is RayOne EMV?

RayOne EMV is an enhanced monofocal IOL with an optical design that most patients find provides a greater range of clear vision after cataract surgery compared to traditional monofocal IOLs.⁵

Patients implanted with a traditional monofocal IOL usually find that they only have clear distance vision, while tasks that use intermediate vision such as reading a computer screen, phone or tablet can be hard due to blur.

RayOne EMV has been developed to address these issues and usually provides you with functional intermediate vision for activities such as using a computer or cooking. About one in three patients that receive RayOne EMV targeted to achieve good distance vision in both eyes also find that they're able to read in good lighting without additional spectacles.⁵

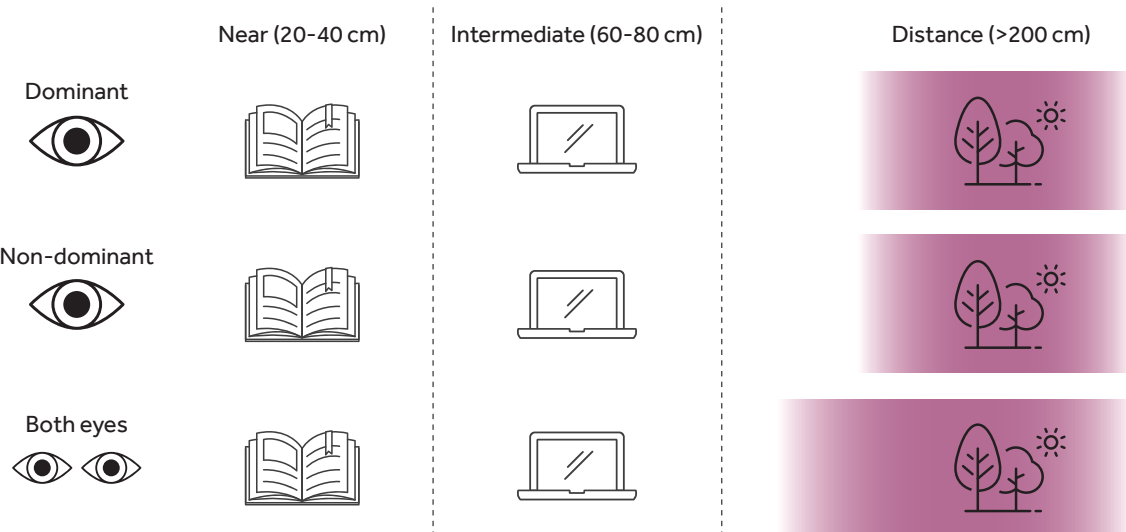


Why choose RayOne EMV to restore my vision?

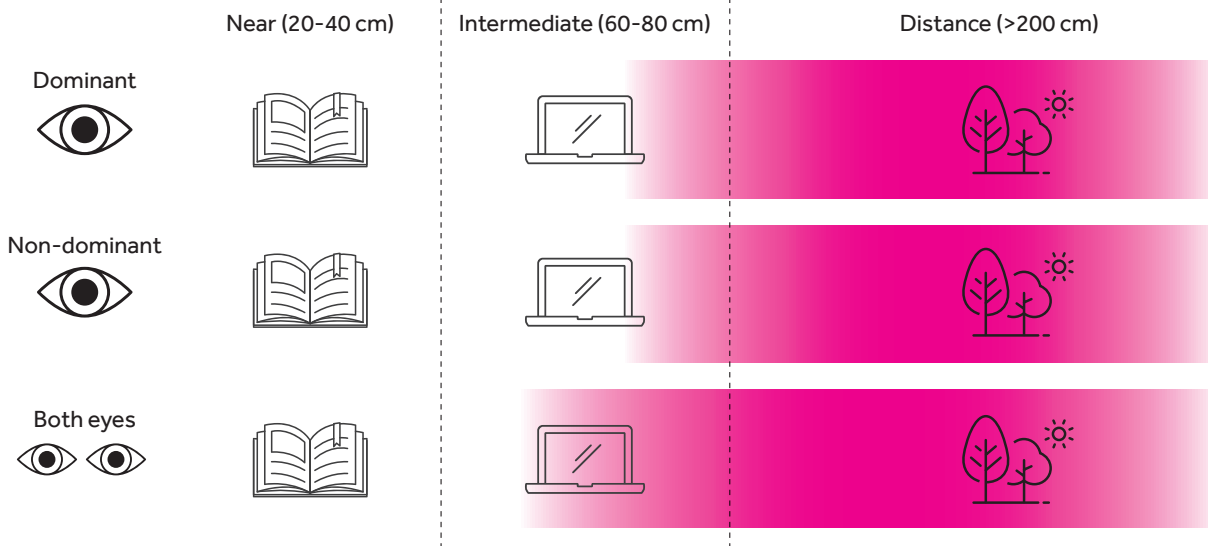
While there are other lenses that can provide you with distance, intermediate and/or near vision, they rely on splitting the light energy entering your eye to different places and that can mean reduced light intensity. These lenses are also associated with the risk of negative visual side effects such as glare, haloes, or starbursts⁶. RayOne EMV aims to achieve a greater range of functional vision while avoiding visual side effects, potentially achieving relative spectacle independence for more tasks and improving your visual quality of life.⁵

Your vision after eye surgery

Traditional
monofocal IOLs



RayOne EMV



There are more than **28 million** cataract surgeries performed worldwide each year

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.

Rayner is a British company that is focused on providing the best visual outcomes for patients since 1910.



Learn more at www.yourvisionyourworld.com



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Clinic details:

References

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2. Cataract Surgery. National Eye Institute, May 2019
3. Market Scope IOL Report, 2021
4. <https://www.nature.com/articles/s41433-020-0806-3>
5. Royo, M. RayOne EMV and TECNIS Eyhance: A Comparative Clinical Defocus Curve. Data on file. 2021.
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As with all surgical procedures, there are risks as well as benefits. The outcomes for an 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 capsular bag.