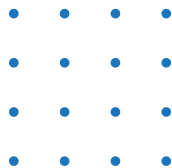




Dr.  
*D'Orio* EYECARE  
+ ASSOCIATES



# DOUBLE VISION

Dr. Steven D'Orio | Optometrist





Double vision presents symptoms such as seeing two images instead of one, which can vary in intensity and duration. It is crucial to identify these symptoms promptly to seek appropriate medical attention.

- **Blurred vision**
- **Misalignment of the eyes**
- **Headaches**
- **Nausea**

Experiencing double vision can have a profound impact on an individual's daily life, affecting various aspects such as:

- **Driving:** Difficulty judging distances and navigating traffic safely.
- **Reading:** Struggling to focus on written text due to overlapping words.
- **Depth Perception:** Challenges in perceiving depth accurately, leading to clumsiness and falls.
- **Social Interactions:** Feeling self-conscious or embarrassed about the condition in social settings.



# Causes & Symptoms

## **Non-Serious Causes**

Double vision can stem from various non-serious causes. Eye misalignment due to muscle weakness or nerve damage is a common culprit. Other ocular causes include astigmatism and cataracts, which can distort vision.

## **Serious Conditions**

On the other end of the spectrum lie serious medical conditions that can trigger double vision. Neurological problems like myasthenia gravis can disrupt the communication between nerves and muscles, leading to vision issues. Brain tumors and aneurysms can exert pressure on the optic nerve, causing double vision.

## **Underlying Complexity**

The causes of double vision often extend beyond simple eye problems. Medical conditions such as stroke, diabetes, and multiple sclerosis can all manifest as visual disturbances. Comprehensive evaluation through blood testing and thorough eye exams is crucial to identify underlying health issues that may be contributing to double vision.



Regular eye exams are crucial in diagnosing double vision as they can uncover underlying vision problems that may cause this condition. These exams help identify issues like eye misalignment or strabismus, which are common causes of double vision.

During a full eye exam, an optometrist will assess various aspects of your vision to pinpoint any noticeable vision problems. They will evaluate your binocular vision, balance vision, and eye alignment to detect any abnormalities that could lead to double vision.

Several tests are employed to accurately diagnose double vision. These include:

- **Cover Test:** This test involves covering one eye at a time to determine if the eyes are working together correctly.
- **Visual Acuity Test:** Evaluates how well you can see details at various distances, helping identify any blurred vision issues.
- **Ocular Motility Testing:** Assesses the movement of your eyes to detect any problems with eye coordination.
- **Refraction Test:** Determines the need for glasses or contact lenses to correct vision problems contributing to double vision.

## Surgical Interventions

Surgery is an option for patients with severe double vision due to misaligned eyes. Doctors may recommend surgical correction to adjust the alignment of the eyes permanently. This procedure involves modifying the eye muscles to improve movement coordination and reduce double vision.



## Prism Lenses

Prism lenses are a non-invasive treatment method that can help correct double vision caused by alignment issues. These special lenses alter the way light enters the eye, allowing for proper alignment and reducing image duplication. By using prism lenses, patients can experience improved vision without the need for surgery.

## Imaging and Testing

Before determining the most suitable treatment, doctors may conduct various examinations and imaging tests to identify the underlying cause of double vision. These tests help in understanding the form and function of the eyes, enabling doctors to provide personalized treatment plans based on individual needs.





Watch Our Video:  
Double Vision - EXPLAINED

Double vision, especially if sudden or acute, is a concerning symptom that should prompt patients to seek care from an optometrist immediately. Double vision indicates an imbalance in the visual system that has to be properly diagnosed.



Watch Our Video:  
Dr. D'Orio Symptoms | Double Vision

In some cases, simple eyeglasses can help fix the issue and no further treatment is required. However, sudden double vision can be indicative of more serious and potentially life-threatening conditions, so if you are experiencing double vision, visit your optometrist immediately for a proper work-up.



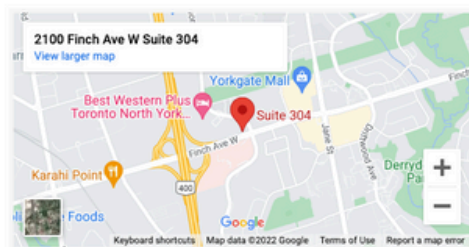


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