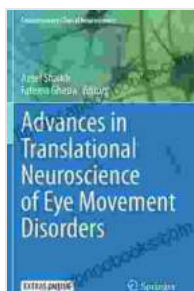


# Advances In Translational Neuroscience Of Eye Movement Disorders Contemporary

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Eye movement disorders are a group of conditions that affect the control of eye movements. They can cause a variety of symptoms, including nystagmus (involuntary eye movements), diplopia (double vision), and ptosis (drooping of the eyelid). Eye movement disorders can be caused by a variety of factors, including neurological disorders, trauma, and medications.



## Advances in Translational Neuroscience of Eye Movement Disorders (Contemporary Clinical Neuroscience) by Joseph Griffith

★★★★★ 5 out of 5

Language	: English
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The translational neuroscience of eye movement disorders is a new and rapidly growing field. It is a multidisciplinary field that brings together researchers from a variety of disciplines, including neurology, ophthalmology, and engineering. The goal of translational neuroscience is to translate basic science discoveries into new clinical applications that can improve the lives of patients with eye movement disorders.

## **Basic Science**

The basic science of eye movement disorders is focused on understanding the neural mechanisms that control eye movements. This research has led to a greater understanding of the brainstem and cerebellum, which are the two brain regions that are primarily responsible for controlling eye movements.

Basic science research has also identified a number of genetic mutations that are associated with eye movement disorders. These findings have helped to identify the molecular basis of these disorders and have led to the development of new therapies.

## **Clinical Applications**

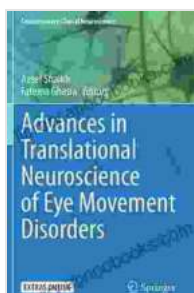
The clinical applications of translational neuroscience are focused on developing new treatments for eye movement disorders. These treatments include:

\* Medications: Medications can be used to treat a variety of eye movement disorders, including nystagmus, diplopia, and ptosis. \* Surgery:

Surgery can be used to correct structural abnormalities that are causing eye movement disorders. \* Rehabilitation: Rehabilitation can help patients with eye movement disorders to improve their eye movements and vision.

The translational neuroscience of eye movement disorders is a rapidly growing field that is leading to new discoveries about the causes and treatment of these conditions. This research is providing hope to patients with eye movement disorders and their families.

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