Although myopia is a known risk factor for glaucoma, it may also result in structural and functional defects that cannot be distinguished from those caused by glaucoma based solely on clinical information. Therefore, further research is necessary to fully understand the relationship between myopia and glaucoma.

Myopia and Glaucoma

Myopia is a common eye condition that causes blurred vision at a distance but not at close range. It occurs when the eye grows too long, causing light to focus in front of the retina instead of on it. Glaucoma, on the other hand, is a group of eye diseases that can damage the optic nerve and cause vision loss.

The relationship between myopia and glaucoma has been a topic of interest for many years. Some studies have suggested that myopia may increase the risk of developing glaucoma, while others have found no significant association.

Local studies find link between myopia and glaucoma

While overseas studies have found a link between myopia and glaucoma, it is the first time this link has been found in Singapore. The study revealed that the risk of developing glaucoma increases as myopia becomes more severe, according to the results of local studies revealed on Thursday (Oct 4).

Professor Aung Tin, Singapore Eye Research Institute’s executive director, said: “We have seen a significant increase in the prevalence of myopia in recent years, and this is likely to continue as more people spend time indoors and less time outdoors. This makes it important to understand the potential impact of myopia on glaucoma risk and to develop strategies to prevent and manage this condition.”

Local studies find link between myopia and glaucoma

The study was conducted as part of the Singapore Eye Research Institute’s ongoing research into the prevalence and risk factors for glaucoma in the Singapore population. It found that individuals with higher myopia had a higher risk of developing glaucoma compared to those with lower myopia.

Myopia and glaucoma: diagnostic and therapeutic challenges

The diagnosis and management of glaucoma in eyes with moderate-to-high myopia brings many challenges. Three leading experts in the field shared their insights on cross-sectional information. Longitudinal observation may be necessary to distinguish among the multiple effects of myopia on the eye.

Glaucoma and high myopia

The interaction of myopia with glaucoma risk remains complex, largely because of the retinal and nerve fiber layer damage associated with myopia. This makes it important to consider the potential impact of myopia on the risk of developing glaucoma.

Myopia and Glaucoma: Sorting Out the Difference

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Is It Glaucoma? Or Just High Myopia?

High myopia can be associated with elongation of the eye and resultant tilting and torsion of the optic nerve head, which can make it difficult to distinguish between myopia and glaucoma. This can make an accurate glaucoma diagnosis challenging, since there’s no bio-marker for disease.

Glaucoma in High Myopia | SpringerLink

High axial myopia is a major risk factor for glaucomatous or glaucoma-like optic neuropathy, even at a normal intraocular pressure. The diagnosis and management of glaucoma in highly myopic eyes may be more challenging due to the presence of myopic stigmata.

Myopia and Glaucoma - EuroTimes

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