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XLNQBK - AGUIRRE HULL

Summary: 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 cross-sectional information.

The link between myopia and glaucoma has been explored for nearly a century. 1 A number of studies, including the Blue Mountains Eye Study and the Beijing Eye Study, have found that the risk of glaucoma appears to increase in persons with high myopia (6 D or more). 2,3 Recently, Kuldev Singh, MD, MPH, at Stanford University, and Shan C. Lin, MD, at the University of California, San Francisco, reported a similar association in a U.S. population. 4 Dr. Law added that patients with mild myopia ...

Myopia and Glaucoma, related diseases and genetic ...

Is It Glaucoma? Or Just High Myopia?

Glaucoma Today - Glaucoma or Myopia? (September/October 2006)

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Why Myopia Increases the Relative risk of Open-angle Glaucoma High myopia can be associated with elongation of the eye and resultant tilting and torsion of the optic nerve head, causing visual field defects that may resemble glaucomatous damage, but are the result of myopia. This can make an accurate glaucoma diagnosis challenging, since there's no bio-marker for disease.

High axial myopia is a major risk factor for glaucomatous or glaucoma-like optic neuropathy, even at a normal intraocular pressure. Morphological risk factors for glaucoma in high myopia may be an enlarged optic disc and enlarged parapapillary delta zone. The reason myopia causes glaucoma is unknown For the most part, the reason why myopia can lead to glaucoma is largely still a mystery. One belief is that high myopia can cause the eyeball to stretch, weakening nerves and increasing the risk of nerve damage from pressure in the eye. Another cites reduced blood flow to optic nerves.

MYOPIA: A GLAUCOMA RISK FACTOR Glaucoma is a heterogeneous group of progressive blinding disorders that result from pressure-induced stresses within the lamina cribrosa and peripapillary sclera at the optic nerve head, causing optic nerve cupping, atrophy of the retinal ganglion cells (RGC), and retinal nerve fiber layer (RNFL) loss.

Glaucoma is a chronic progressive optic neuropathy that is also a leading cause of permanent blindness worldwide⁵, and open-angle glaucoma is commonly reported in younger highly myopic patients^{6,7,8}, hence there is a need to detect and treat early in th-

ese patients at risk.

Myopia and Glaucoma: Sorting Out the Difference

Weill-Marchesani syndrome is a rare connective tissue disorder characterized by microspherophakia, severe myopia, acute and/or chronic glaucoma, and cataract. Other features include brachydactyly and short stature. Patients may also have stiff joints and thickened skin, especially on the hands.

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Myopia and Glaucoma: Sorting Out the Diagnosis - American ...

"Kids who develop myopia early in life and progress to high myopia face an uncertain future. They have a 50 percent greater risk of glaucoma, they are 17 percent more likely to need cataract surgery, and have a 6 times greater risk of retinal detachment and retinal tears." The time to intervene is in childhood.

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Detecting glaucoma in eyes with moderate or no myopia is similar, because the appearance of their optic nerves is more or less the same (Figure 1). 1 In highly nearsighted eyes, diagnosing glaucoma is difficult, because the visual field is likely to be abnormal due to myopic irregularities of the fundus irrespective of additional glaucomatous field changes.

Eyes with moderate-to-high myopia have an increased risk for glaucoma, but myopia can also sometimes masquerade as glaucoma. However, careful examination can distinguish between the two pathologies and ensure good treatment decisions, said Tin Aung PhD, FRCSed FRCSOphth, Singapore National Eye Centre and the National University of Singapore.

Summary: The interaction of myopia with glaucoma risk remains complex, largely because of the retinal and nerve fiber layer damage that occurs in myopia alone. Whether to treat for glaucoma relies on the suspicion level of the clinician who must consider other risk factors for vision loss. Ultimately, it is the progression of glaucoma-like findings that determines whether a myopic patient has glaucoma.

Myopia and glaucoma | SpringerLink

Myopia and glaucoma: diagnostic and therapeutic challenges a particular focus on how the growing prevalence of myopia among specific populations may impact such therapy. Recent findings For a given individual, the link between myopia and glauco-

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A Review: The Association Between Myopia and Glaucoma - UW

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Glaucoma in High Myopia | SpringerLink

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Can High Myopia Lead To Glaucoma? An Ophthalmologist Explains

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