Coloboma
It is a congenital defect in the formation of part of the eye. It can affect the eyelid, iris, lens, retina, choroid, optic disk, or a combination of the structures.

Structure Defects

Eyelid
This defect is rare. The upper or lower eyelid could be affected, resulting in compromised protection of the eye.

Iris
This is the most common defect. It typically affects the lower part of the iris and does not usually have a significant affect on vision. Sensitivity to light is a problem, due to the inability of the iris to regulate light effectively.

Lens
The lens is the fine focusing part of the eye. A defect in this part will affect vision; however, corrective lenses may rectify some of the visual clarity loss.

Retina and Choroid
The retina receives the visual image for transmission to the brain, and the choroid provides nutrition to the retina. A defect in either of these structures will affect vision with varying severity.

Optic Disk
This structure is head of the optic nerve, which transmits the visual image from the retina to the brain. Defects in this structure will limit or interfere with the transmission of this information.

Treatments
There is no treatment that will correct the defect; however, there are adaptations that can improve visual loss with some of the defects.

References:

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