

Bilateral Iris and Chorioretinal Coloboma

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Abstract

Coloboma is a congenital ocular defect resulting from incomplete closure of the embryonic (optic) fissure during the 5th to 7th week of gestation.

Keywords: Ocular coloboma; Iris coloboma; Chorioretinal coloboma; Congenital ocular anomalies; Fundus imaging.

Clinical Image

Coloboma is a congenital ocular defect resulting from incomplete closure of the embryonic (optic) fissure during the 5th to 7th week of gestation. The image demonstrates bilateral iris and chorioretinal coloboma identified during ophthalmologic examination.

Slit-lamp evaluation reveals a typical inferonasal key-hole-shaped iris defect in both eyes, characteristic of iris coloboma. Fundus examination shows well-defined whitish excavated areas in the inferonasal fundus corresponding to chorioretinal coloboma, where the retinal and choroidal layers are absent and the underlying sclera becomes visible in the

right eye; and including the optic nerve in the left eye. The margins of the lesions are sharply demarcated with surrounding pigmentary changes.

Ocular coloboma may occur in isolation or be associated with systemic syndromes. Patients with chorioretinal coloboma require regular ophthalmologic follow-up because of potential complications such as retinal detachment or choroidal neovascularization. This image highlights the typical anterior and posterior segment features of bilateral iris and chorioretinal coloboma.

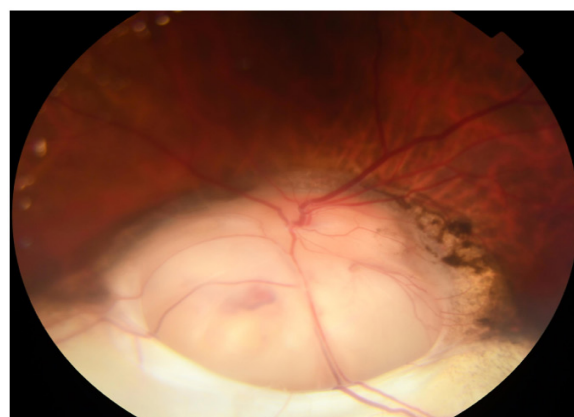
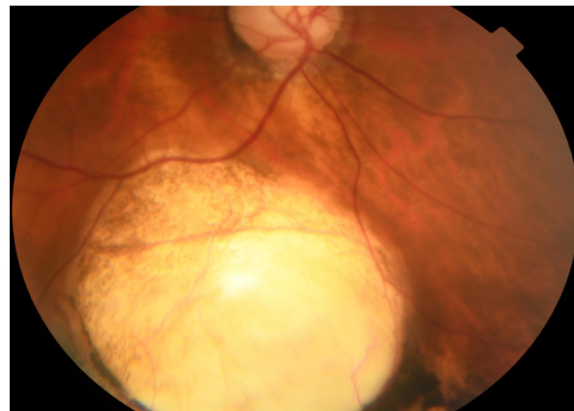
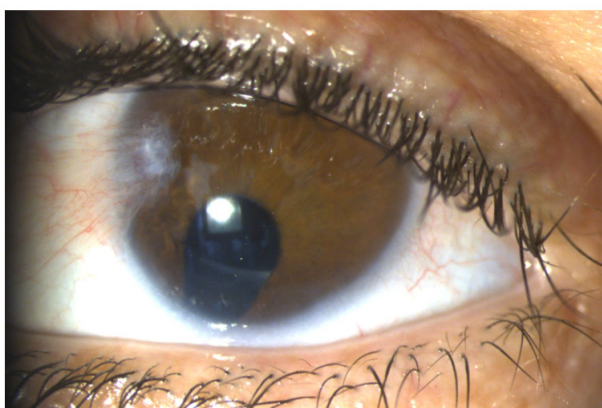


Figure 1: Bilateral inferonasal iris coloboma visible on slit lamp examination.

Figure 2: Bilateral chorioretinal coloboma visible on fundus examination

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