

18th International Conference on

GLAUCOMA & RETINAL DISEASES

18th World Conference on

OPTOMETRY AND PHOTO REFRACTIVE KERATECTOMY

September 24-25, 2018 | Dallas, USA

Bilateral complete coloboma: A rare presentation

Parth Pravinchandra Parmar

Sir T Hospital & Government Medical College, India

Introduction: Ocular colobomas are congenital defects resulting from incomplete closure of the optic fissure of the neuroectodermal optic cup around 5–8 weeks of gestation. We present a rare case of bilateral complete coloboma.

Case summary: A 19-Year-old Muslim male born of a non-consanguineous marriage presented to ophthalmology OPD with diminished vision in both eyes since childhood. The patient had seizures and cyanotic heart diseases during infancy with no other systemic illness. Visual acuity in the right eye(RE) was hand movements perception and in the left eye(LE) 6/18 unaided and improving to 6/6 with glasses. Auto-Refractometry findings were in RE:-23.50DS/-4.00DC/89° and LE:+1.00DS/-3.25DC/15° with normal Keratometry findings. Ocular examination in both eyes revealed iris, lens, and zonular coloboma infer nasally with few lenticular opacities in RE with chorioretinal coloboma with macula and disc involvement in RE(Fig. 1-4). RE was esotropic since childhood. Axial lengths of RE and LE were 29.27 and 22.11 mm respectively. Ultrasonography of both eyes revealed no retinal detachment.

Discussion: Ocular colobomas are either sporadic or inherited with the autosomal dominant pattern seen in bilateral chorioretinal coloboma or recessive pattern as a result of consanguineous marriage. Lens coloboma is associated with ectopia lentis, spherophakia or localized lens opacities. Complete coloboma including both anterior and posterior segments are present rarely. Bilateral chorioretinal colobomas are associated with systemic involvements. Complications include diminished visual acuity, amblyopia, squint, visual field defects, distorted vision, retinal detachment and choroidal neovascularisation so the early assessment is required. Thus, here is a rare presentation of bilateral complete coloboma.

Biography

Parth Pravinchandra Parmar is a third-year resident doctor in the Department of Ophthalmology at Government Medical College, Bhavnagar, Gujarat, India. He has a special interest in Vitreous and retina, annuloplasty. Till date, in the duration of 2 years of horsemanship, he has performed >150 cataract surgeries (SICS), 20 corneal perforation surgeries, 10 Pterygium surgeries, 20 Evisceration, >50 Enucleation others. Furthermore, he is interested in doing an international fellowship in the field of vitreous-retina.

parmarparth1992p@gmail.com

