

MANAGEMENT OF TRAUMATIC CATARACT WITH ANTERIOR CAPSULE RUPTURE IN BLUNT TRAUMA

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Abstract

Introduction :

Traumatic cataract is a frequent complication of eye injuries. Blunt trauma may rarely cause anterior lens capsule rupture. Recognizing the anterior capsule tear and appropriate surgical planning and management can make a good visual outcome.

Purpose :

To report management traumatic cataract patient with anterior capsule rupture in blunt trauma.

Method :

A case report study

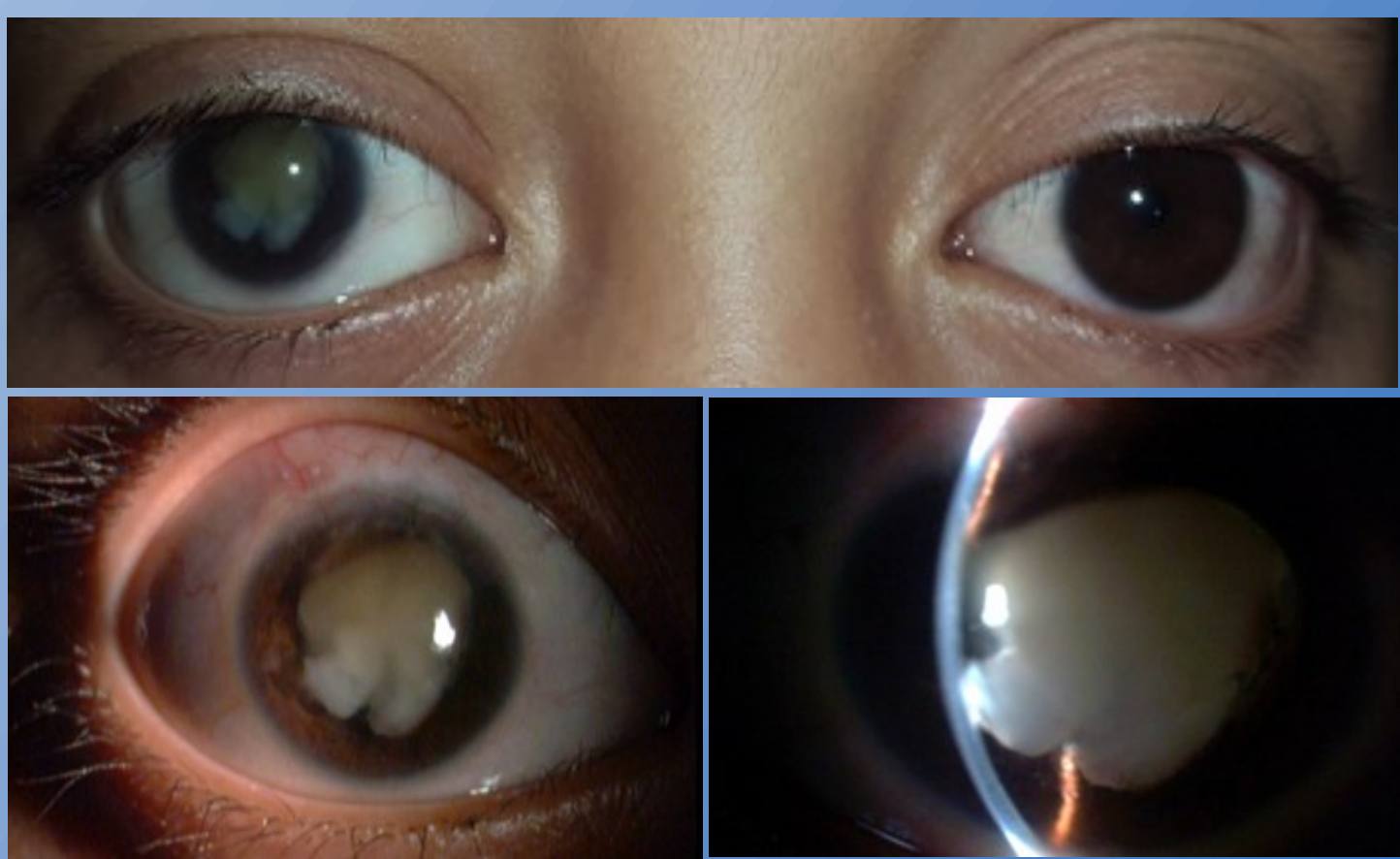


Figure 1. Anterior Segment Right Eye with Lens Materials Touched Cornea Endothel and Hemosiderosis

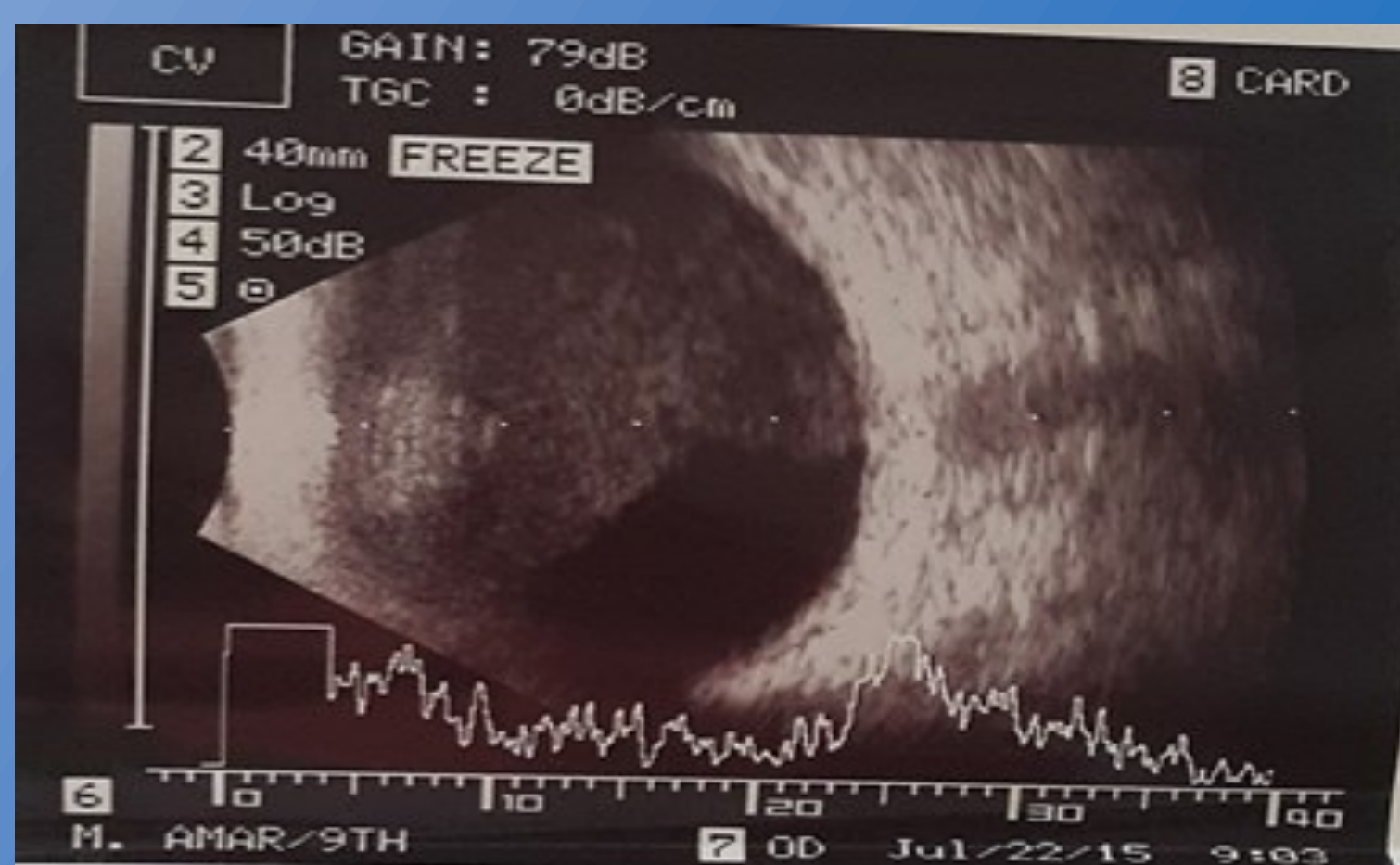


Figure 2. B-Scan USG Showed Vitreous Hemorrhage in Right Eye

Results :

A 10 years old boy came with chief complaint of blurred vision since had a blunt trauma to his right eye by a rock slingshot two months ago. The visual acuity of right eye (RE) was light perception. Anterior segment examination showed blepharospasme, ciliary injection, hemosiderosis in cornea, anterior chamber flares/cells \pm/\pm and lens materials touched endotel, traumatic mydriasis, and lens opacification with anterior capsule rupture. Visual acuity of the left eye (LE) 1.0, the ocular examination within normal limit. B-scan ultrasonography (USG) result was vitreous opacity with suspect vitreous hemorraghe. Patient was diagnosed traumatic cataract with anterior capsule rupture. Patient was managed by cataract extraction with irrigation aspiration procedure, intra ocular lens implantation in sulcus and vitrectomy pars plana of ocular dextrae. The visual acuity one week after surgery was 1/300 in right eye with hemosideris in cornea.

Conclusion :

Appropriate planning and managing traumatic cataract with anterior capsule rupture after blunt trauma can make a beneficial postoperative outcome.

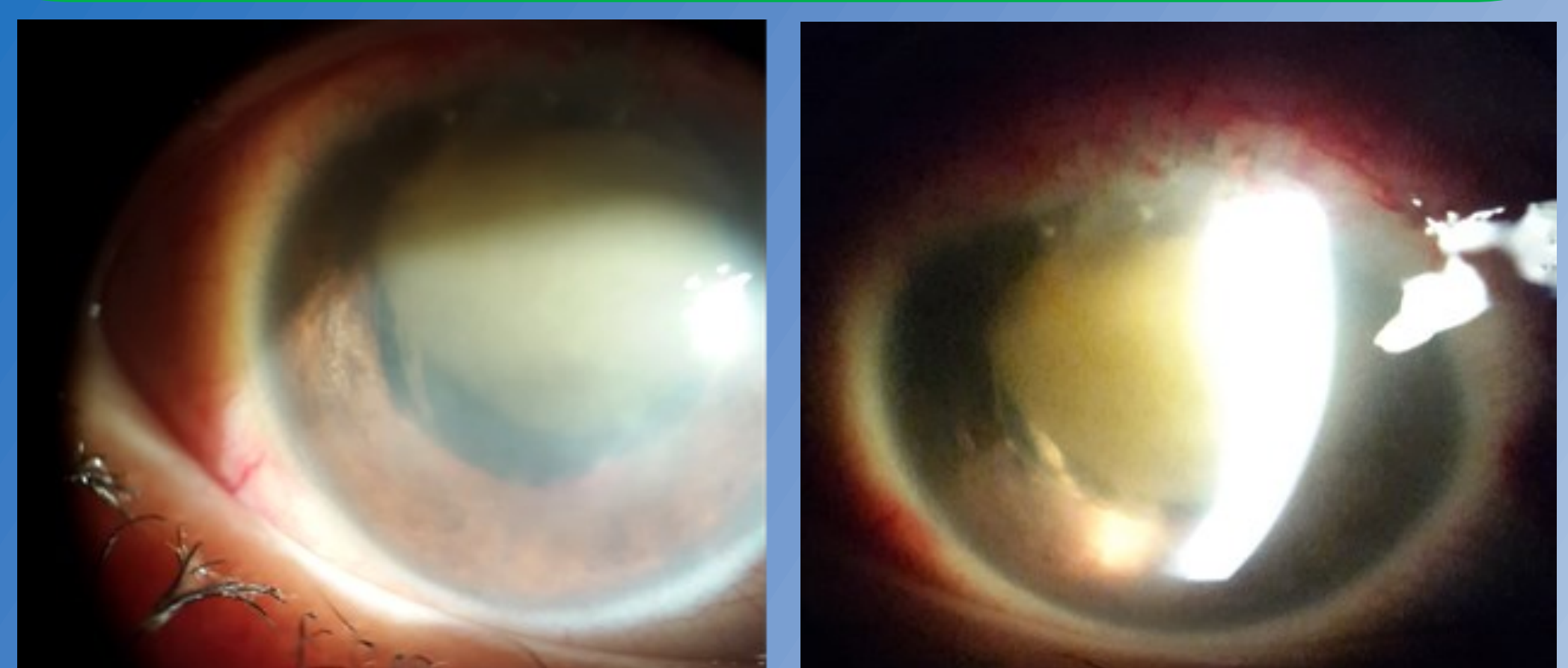


Figure 3. Post Operation Day 1 Showed Intraocular Lens and Hemosiderosis in Right Eye

Keywords : anterior capsule rupture, blunt trauma, traumatic cataract

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