SIDEROSIS BULBI OF EYE DUE TO UNDETECTED INTRAOCULAR FOREIGN BODY
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Purpose: The Siderosis bulbi of eye is caused due to presence of intraocular iron foreign body. It affects all ocular structures. The purpose is to report a case of siderosis bulbi due to undetected intraocular foreign body. A male, 26 years, came with chief complain of painless gradual diminishing vision in Right eye (RE) and night blindness for past 6 month. He had a history of trauma by metallic rod 1 year back. Corneal foreign body was removed under topical anesthesia. His vision started deteriorating after 6 month of trauma. Methods: Patient had Right eye (RE) vision 6/60, Left eye (LE) vision 6/6. RE findings: leucomatos corneal opacity at 2 o'clock in midperiphery. Rusty pigment dispersion on endothelium was present. Pupil was semi dilated. Pupil reactions were sluggish. Rosette cataract with brown pigment on the lens was present. LE was normal. Intraocular pressure was 11 mm of Hg in both eyes. No foreign body was present in the eyeball. RE Phacoemulsifications with foldable intraocular lens done. Postoperative RE vision was 6/6 with refraction -0.75 x 80°. Results: A trauma by iron object could result in siderosis bulbi and such patients need close follow-up. Conclusions: Presence of intraocular iron particle is not a necessary precondition for development of siderosis bulbi. Removal of iron foreign body result in siderosis bulbi. Hence a close follow-up for prolong period (6-12 months) should be maintained in such patients. Post-operative visual prognosis is good.