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Service (sector) Trauma N° CEP

**BRANCH RETINAL ARTERY AND VEIN OCCLUSION SECONDARY TO
INTRAOCULAR FOREIGN BODY .**

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Purpose: To report a case of a branch retinal artery and vein occlusion, caused by an intraocular foreign body that had embedded at the retina and scleral tissue . Methods : Case report Results :A 20 year-old man had a perforated ocular trauma in the left eye with 2 pieces of glazed tiles which embedded at the retina near the optic nerve head achieving the scleral tissue. It resulted in a secondary branch retinal artery and vein occlusion and a massive vitreous hemorrhage lowering his visual acuity to light perception. Initially, on his first visit at the Emergency Room , patient was submitted to a scleral suture. Further examination showed the presence of an intraocular foreign body and it's location, causing the artery and vein occlusion. The patient underwent a pars plana vitrectomy, with removal of the vitreous hemorrhage and parcial removal of the foreign body. Twenty days after the surgery his best correct visual acuity improved only in the peripheral visual field and remained the same during the six months of follow up. Conclusion : This is a rare case of a intra ocular foreign body probably causing branch retinal artery and vein occlusion. Foreign body adhesion to the retina and sclera prevented its total removal during the vitrectomy.