DOUBLE PENETRATING OCULAR TRAUMA: CASE REPORT

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PURPOSE: We report the good anatomical and functional outcome in a patient with double-penetrating ocular trauma associated with intraorbital foreign body.

METHOD: A 23 year-old man presented at the emergency room complaining of blurred vision of the right eye with stinging pain after he was accidentally shot with a shot gun. Subconjunctival haemorrhage with one 2-mm laceration wound was noted over the temporal conjunctiva. Fundus examination showed vitreous haemorrhage. Orbital computed tomography scan revealed one metallic foreign body in the retrobulbar area. Double-penetrating globe injury with retrobulbar foreign body was impressed, and immediate vitrectomy surgery with endolaser photocoagulation was carried out.

RESULTS: One exit wound superonasal to the disc was noted during surgery. The retrobulbar metallic foreign body was removed. Vision recovered to 20/60 without ocular complication after a 20-month follow-up.

CONCLUSION: Prompt, careful preoperative evaluation and meticulous vitrectomy intervention are essential in the successful management of such patients. The prognosis of double penetrating ocular trauma is usually guarded.