

## Image Article

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# Severe Case of a Penetrating Orbital Trauma by Knife

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A 50-year-old patient, with no significant morbid history, suffers an assault and is attacked with a knife, receiving an injury in his left orbit (Figure 1). Patient is transferred to the emergency service. In the initial evaluation, normal neurological examination and the patient was hemodynamically stable. In the ophthalmological examination: the sharp object is seen in the medial region of the left orbit. The surrounding tissue had edema, which hindered the evaluation of that eye. The right eye is normal.

Orbital Scan was done: Radiopaque intraocular foreign body was observed. It was located between ocular globe and the medial wall of the orbit. A fracture was observed that penetrates the ethmoidal bone to the sphenoid sinus of the left eye (Figures 2 and 3).

Foreign body was removed surgically under general anaesthesia. Suturing and repairing tissue by layers was done. There was no evidence of penetration of the ocular body into the eyeball. Analgesic and antibiotics was given after the procedure. Patient with good follow up at 48 hours.

Ophthalmological examination is complemented in the left eye. BCVA was 20/50 LE, 20/40 RE. Normal anterior segment, reactive pupils with photo-motor reflex present. Normal eye fundus. Visual field within their normal ranges and a slight limitation to adduction with the ipsilateral eye.



**Figure 1:** Front view of the patient (Ocular injury in the left orbit. Foreign body recognized as a knife).



**Figure 2:** Orbital scan (Intraocular foreign body in the left orbit).



**Figure 3:** Orbital scan, coronal cut (Intra-ocular, radiopaque foreign body is observed. It is located between ocular globe and the medial wall of the orbit).

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