INTRODUCTION

Foreign body penetrated injury into paranasal sinuses can be very destructed and life threatening. Management of penetrated foreign body using endoscope to avoid further trauma to surrounding tissue and to have a good visualization. The outcome after penetrated trauma sometimes causes morbidity.

CASE

The first case: A 46-years-old male was referred to hospital due to penetration of foreign body (wooden). The second case: A 34-years-old male came to hospital with chief complain of iron arrow penetrated. Both of this case penetrated left site of the face.

DISCUSSION

The first case, the foreign body (wooden) penetrated on the left orbital cavity, nasal cavity until to nasopharynx. The second case shows foreign body (iron arrow) penetrated left orbital cavity, nasal septum to nasopharynx, fracture of the left lamina papyracea extend to the left wall of ethmoid sinus. Both of these cases were performed foreign body extraction, evacuation, and enucleation using endoscopic procedure with ophthalmologist team. In the first case there is no visual impairment, the eyeball is maintained. The second case, visual impairment was obtained and orbital enucleation was performed. Extra caution approach to sphenoid sinus should be done to make sure the surrounding structure optic nerve and internal carotid artery not harmed. Extracting foreign body using endoscope provide good and clear visualization to reduce the risk of iatrogenic maneuver.

CONCLUSION

Foreign body traumatic penetration of the face has always been affected several vital organs. An immediate management should be performed to avoid infection, morbidity, and mortality.

KEYWORD

Penetrating trauma, Paranasal sinuses foreign body, Endoscopic extraction.