

Nailing the Diagnosis: A Journey Through Ocular Depths

Acertando o Diagnóstico: Uma Jornada Pelas Profundezas Oculares

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This collage of 3 photographs captures a case of ocular trauma that occurred at work in a 48-year-old mechanic. The slit lamp image shows a foreign body, similar to a nail, penetrating the patient's right eye. It passes through the cornea, the anterior chamber, the iris and possibly the lens, causing temporal corectopia (Fig. 1A).

In the axial computed tomography (CT) image of the orbits, it is possible to see the entire path of the foreign body, which is around 5x2 mm in size. It moves along the entire lateral aspect of the anterior chamber, also transposing the adjacent aspect of the lens, without causing subluxation of the lens or compromising other retroocular structures (Fig. 1B).

Finally, the optical coherence tomography (OCT) image of the anterior segment provides a detailed view of the foreign body passing through the cornea and iris (Fig. 1C).

Despite the apparent clinical severity, timely surgical intervention allowed the object to be surgically removed without complications and with preservation of the patient's visual acuity. In this way, this clinical case emphasizes the importance of protective glasses in the workplace, highlighting the vital role of ophthalmic surgery in preserving vision and preventing disability.

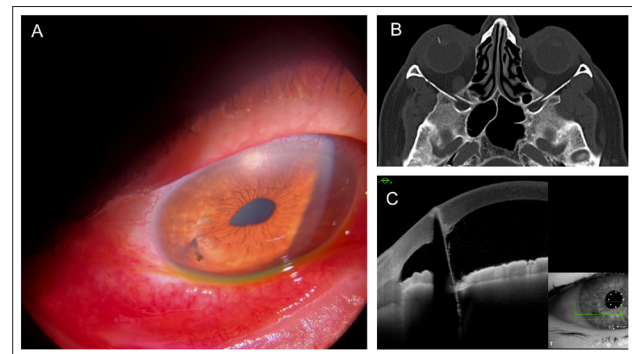


Figure 1. A. Biomicroscopy showing foreign body penetrating ocular globe B. Axial computed tomography (CT) image of the orbits C. Optical coherence tomography (OCT) image of the anterior segment.

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DA: Original manuscript creation, conceptualization and review and approval of the final manuscript.

RR, MF and AC: Review and approval of the final manuscript.

DA: Redação do manuscrito original, conceptualização e revisão e aprovação do manuscrito final.

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