

Tension Beneath the Surface: What is Pulling the Iris Back?

Tensão Sob a Superfície: O que está a Causar Retração da Íris?

 Pedro Moreira Martins ¹, João Castro Cabanas ¹

¹ Department of Ophthalmology, Unidade Local de Saúde de Gaia e Espinho, Gaia, Portugal

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A 65-year-old man presented with right eye vision loss following head trauma months earlier. Visual acuity was light perception; IOP was 3 mmHg with a hypotonic globe upon palpation. The anterior chamber was deep, with posterior iris retraction [B] and synechiae, evident on AS-OCT [C] and UBM [D], and associated with suprachoroidal fluid. Colour fundus photographs [A] revealed a 360° rhegmatogenous retinal detachment with nasal choroidal detachments. A diagnosis of iris retraction syndrome, caused by chronic retinal detachment, was entertained. The retinal detachment leads to secondary inflammation, with the formation of posterior synechiae, and fluid egress through the retinal pigment epithelium. This, combined with extensive proliferative vitreoretinopathy, generates a suction effect that drives antero-posterior traction on the lens-iris diaphragm, resulting in this rare and peculiar presentation.

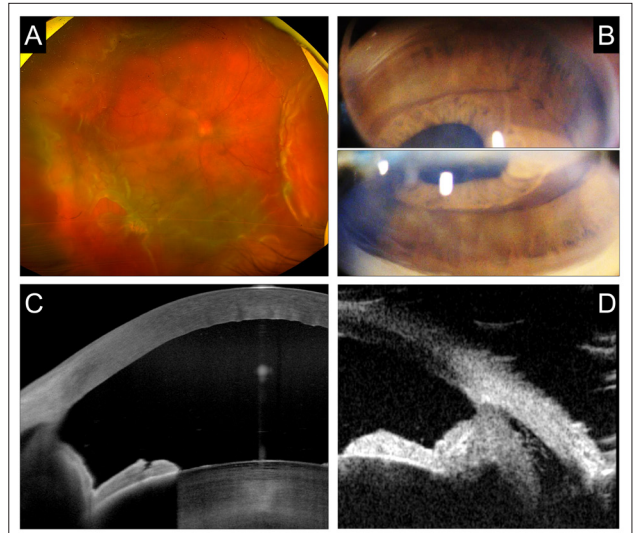


Figure 1. A - Widefield color fundus image; B - Gonioscopy photographs; C - Anterior segment OCT; D - UBM.

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**Corresponding Author/
Autor Correspondente:**

Pedro Manuel Moreira Martins
Rua Conceição Fernandes S/N,
4434-502 Vila Nova de Gaia, Portugal
E-mail: pedromartins0123@gmail.com



ORCID: 0000-0002-4872-9058