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## Purpose

To present a case of a retinal arteriolar embolization and the importance of multimodal analysis in the recognition of the disease, as well as for the prevention and screening of cardiovascular disease.

## Case Report

A 65 -years-old, female, presented with a 4 month history of sudden vision loss in her left eye. She had epilepsy and denied other systemic diseases or prior surgical procedure. Best corrected visual acuity was 20/20 in the right eye and 20/40 in the left eye. Anterior segment and intraocular pressure were normal. Fundus examination of the left eye revealed a yellow arteriolar plaque located in the macula and adjacent retinal telagiectasia. Few small and hard drusen were found in both eyes (Figure1). Optical Coherence Tomography showed multiple foveal cavitations and intraretinal hyperreflective dots in the left eye (Figure 3). Inferior foveal telangiectatic vessels and late staining were observed at huorescein angiography (Figure 2). OCT Angiography depicted a flow void area in superficial and hyphotesis of a retinal arteriolar emboli was confirmed An echocardiogram and a carotid dopler ultrasonography were requested. The patient was also referred to cardiovascular evaluation and maintain regular follow up.

## Discussion

Arterial retinal occlusion may present with typical findings on fundoscopy. However, embolization of small branches can be difficult to recognize by routine ophthalmic examination, requiring ancillary tests for a definitive diagnosis. In the present case, multimodal analysis was of great importance for oclusions are associated with increased risk of cerebrovascular events its recognition is essential to prevent them


Figure 1.
Fundosco
Fundoscopic examination showing foveal
elangiectatic ves elangiectatic vessels
in the left eye and drusen in in the eeft
both eyes.


Figure 3.
FRI-OCT showed foveal cavitations and intraretinal hyperreflective dots in the left eye.


OCT Angiography $4 \times 4 \mathrm{~mm}$ revealed a flow void area in superficial and deep vascular plexus of the left eye

## References

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