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## Unilateral hemianopia: A case report

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**U**nilateral hemianopia is a result of compromise of one half of the optical nerve of one eye. It can be caused by direct injury to the eye, optical nerve or the cerebral cortex. The cardiovascular and toxic diseases play principal role. The kinds of hemianopia suggest different type of diagnosis.

**Clinical case:** 48 year old female presented with slowly progressive visual loss of the right eye for 3 months. Personal history found toxic risk factors (smoking, alcoholism and cocaine addiction) and cardiovascular (hypertension, heart disease, atrial fibrillation, embolic ischemic stroke - left middle cerebral artery). The ophthalmological examination appreciated acute vision 0.5 in both eyes, without the anterior and posterior segment. The visual field showed unilateral hemianopia in right eyes respecting the left eye. After a neurological examination was suggested, selective involvement of the prechiasmatic fibers of the optical nerve in the right eye by a history stroke was found. The patient currently do not refer to any new visual changes.

**Conclusion:** The unilateral hemianopia is a rare presentation of stroke, because in most cases it is bilateral homonymous. The visual prognosis depends largely on the cause and pathology of the involved territory.

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