INTRODUCTION: Retinal arterial macroaneurysms are ectatic modifications of the arterial wall. They are a relatively uncommon condition which can threaten visual function by preretinal or subretinal hemorrhage in case of rupture or by massive macular exudation.

CASE REPORT: We report a case of a 83 years old patient, without cardio-vascular history, who presented an arterial macroaneurysm complicated by premacular hemorrhage. Spontaneous regression of the aneurysm with complete hemorrhage resorption and some visual recovery was observed.

CONCLUSION: Retinal macro-aneurysms are acquired malformations, often isolated and located in a temporal artery. Their evolution is unpredictable either towards spontaneous occlusion, occurrence of chronic exudative retinopathy or hemorrhagic complications by fissuration or rupture of arterial wall.