

Clinical-Medical Image

Manifest Bilateral Angioid Streaks!

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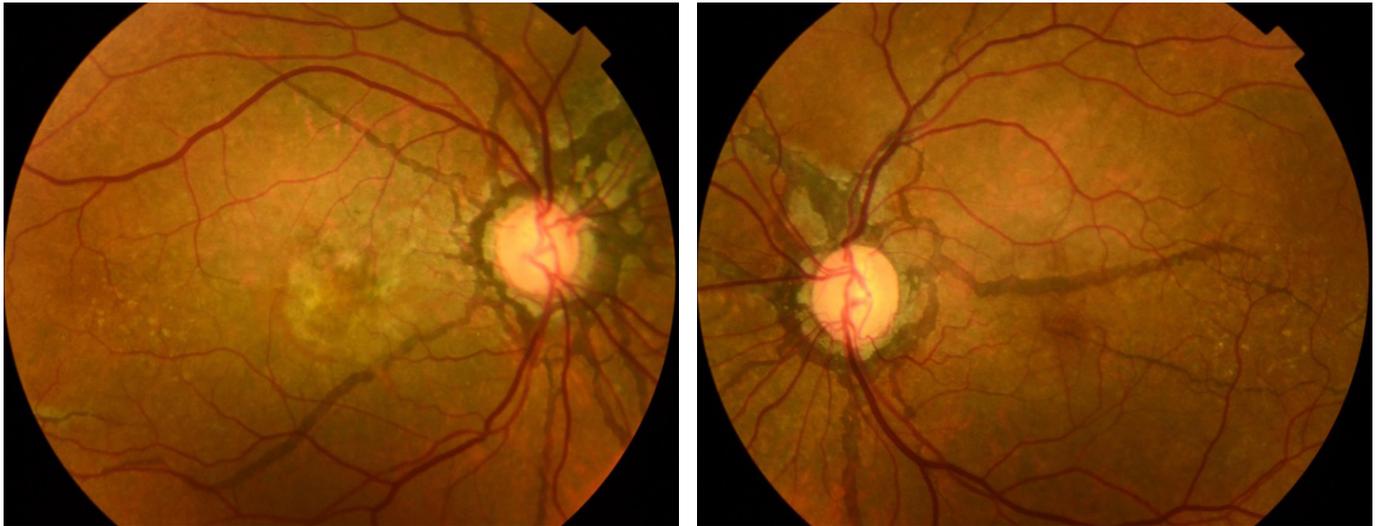


Figure 1: Bilateral angioid streaks in a 52 years old patient.

Clinical-Medical Image

Angioid streaks are irregular, deep, narrow lines that form due to breaks in a degenerated Bruch's membrane. They typically emanate radially outward from the optic nerve. Angioid streaks are commonly associated with systemic diseases such as pseudoxanthoma elasticum, Paget's disease, Ehler-Danlos syndrome and some hemoglobinopathies [1]. The incidence of angioid streaks is of 3% in association with some disease and almost 100% in association with pseudoxanthoma elasticum [2]. The diagnosis is usually clinical. Most patients are asymptomatic; however, they may develop significant complications due to the emergence of choroidal neovascularization. Angioid streaks could appear spontaneously or be secondary to even a mild trauma. The differential diagnosis are choroidal rupture, Lacquer cracks in pathologic myopia and toxoplasmosis. When asymptomatic, angioid streaks require only periodic observation. However, if choroidal neovascularization occurs, some specific treatments may be required such as intravitreal injections of anti-VEGF and retinal photocoagulation [3]. The general management of angioid streaks should also include the underlying associated systemic disease if existing and must be adjusted to each individual case. The images show a retinal photography of asymptomatic bilateral manifest angioid streaks in a 52 years old woman with no medical history.

Keywords: Angioid streaks; Bruchs membrane; Pseudoxanthoma elasticum; Retina

References

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