



Centro Oftalmológico
de Minas Gerais

MACULAR EXUDATION IN OLD-AGE PATIENT WITH MELANOCITIC LESION ASSOCIATION: DIFFERENTIAL DIAGNOSIS

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Purpose

- ▶ The purpose of this report is to present a case of an unilateral hyperpigmented macular lesion associated with exudation in an elderly patient

Methods

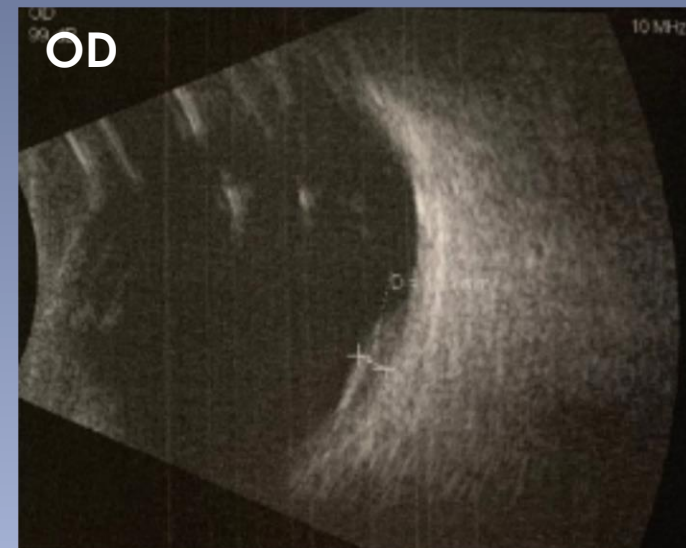
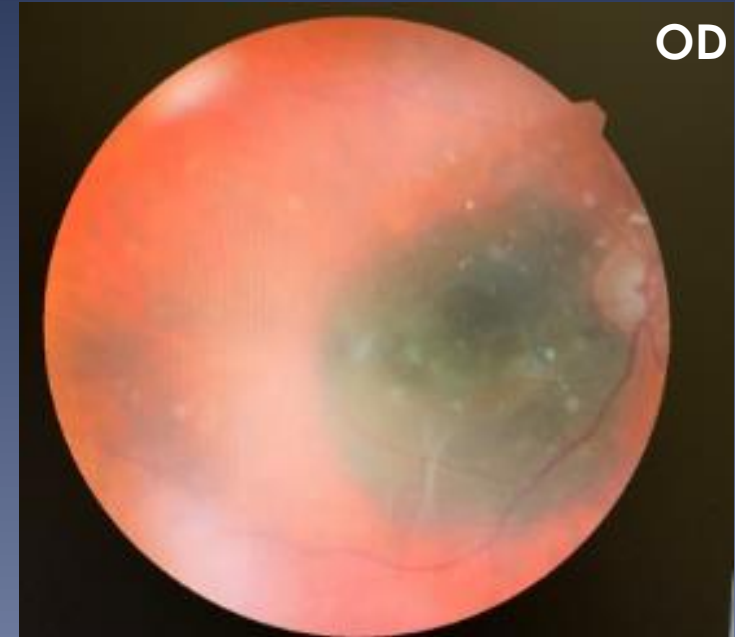
- ▶ This is a case report of a patient examined at the Centro Oftalmológico de Minas Gerais on January 2020

Case Report

- ▶ A 73 year old man presented to exam complaining of long data low vision in the right eye (OD)
- ▶ Best visual acuity:
 - ▶ OD hand movement / OS 20/150

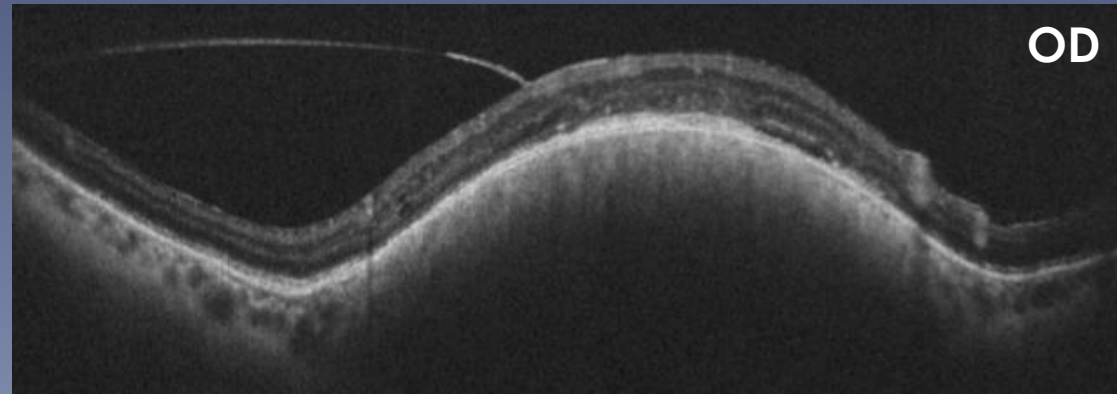
Case Report

- ▶ Fundoscopy: large and elevated macular hyperpigmented lesion in OD/macular drusen in both eyes (OU)
- ▶ Differential diagnosis of a choroidal melanoma (CM) must be performed
- ▶ Ocular ultrasound:
 - ▶ Regular lesion
 - ▶ 7,97mm base and 1,71mm high



Case Report

- ▶ Fluorescein angiography: stability of the lesion/ without double circulation/ choroidal neovascular membrane (CNVM) in both eyes
- ▶ OCT: CNVM with little fluid in OU and an elevated choroidal lesion in OD



Discussion

- ▶ Age related macular degeneration (AMD): main cause of legal blindness in patients above 60 years old (known risk factor)
- ▶ Neovascular AMD: fluid leakage leading to central vision loss, wich fits this case

Discussion

- ▶ CM: most common primary ocular tumor in the adult. The consequences of not being diagnosed are catastrophic
- ▶ Fluorescein angiography:
 - ▶ Good method to suggest the diagnosis
 - ▶ Double circulation (early phases/ choroidal vasculature origination)
- ▶ Choroidal nevus: main CM differential diagnosis / asymptomatic / drusen / <1mm of high and <5mm of base
 - ▶ Risk factors of malignant conversion: >2mm high and subretinial fluid
- ▶ Although our patient didn't have double circulation, the size of the lesion is a worrying risk
- ▶ Neovascular AMD in association with a choroidal nevus was confirmed in OD
- ▶ Further evaluations must be performed due to the risk of malignance conversion