



48<sup>th</sup> BRAVS Meeting  
**RETINA**  
**2024**  
CONNECTING SCIENCE  
TO REAL WORLD

# Concurrent Best Disease and Multiple Evanescent White Dot Syndrome: A Rare Ocular Manifestation

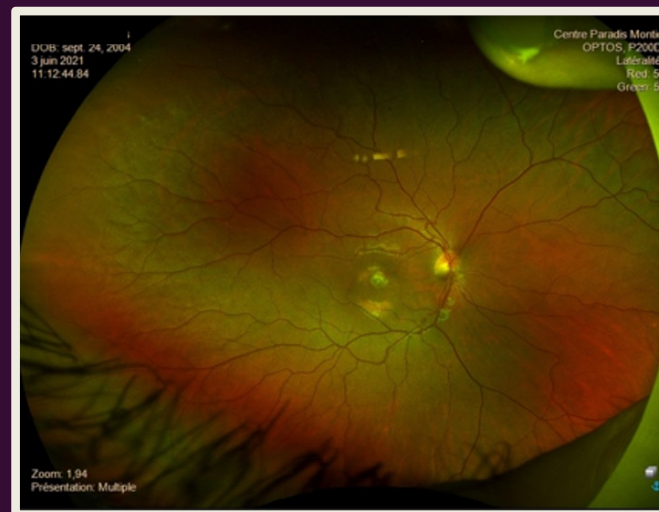
Ana Luisa Souto Gandra  
Julio Rezende de Andrade  
Maria Paulina Viana Miquilino  
Raquel Nezio de Carvalho  
Neiffer Nunes Rabelo  
Giovanna Vieira Moreira  
Denise Marinho Pardini  
Tereza Cristina Moreira Kanadani

Retina Instituto

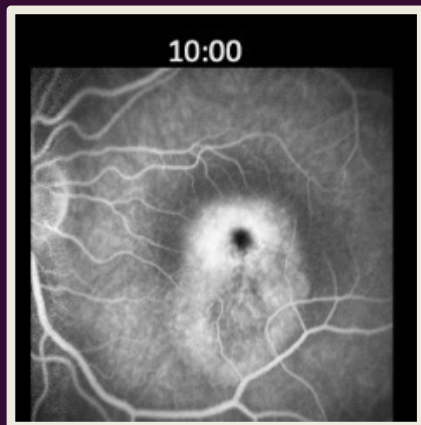
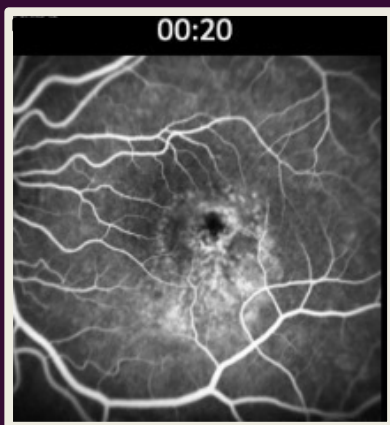
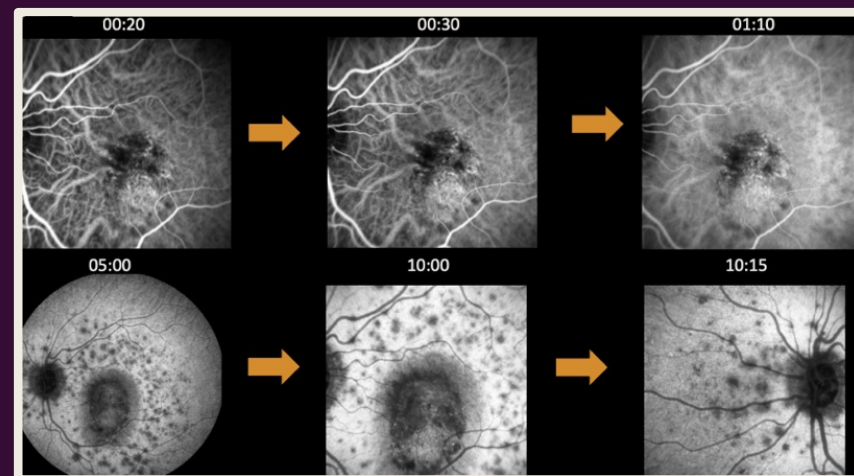


# Case Report

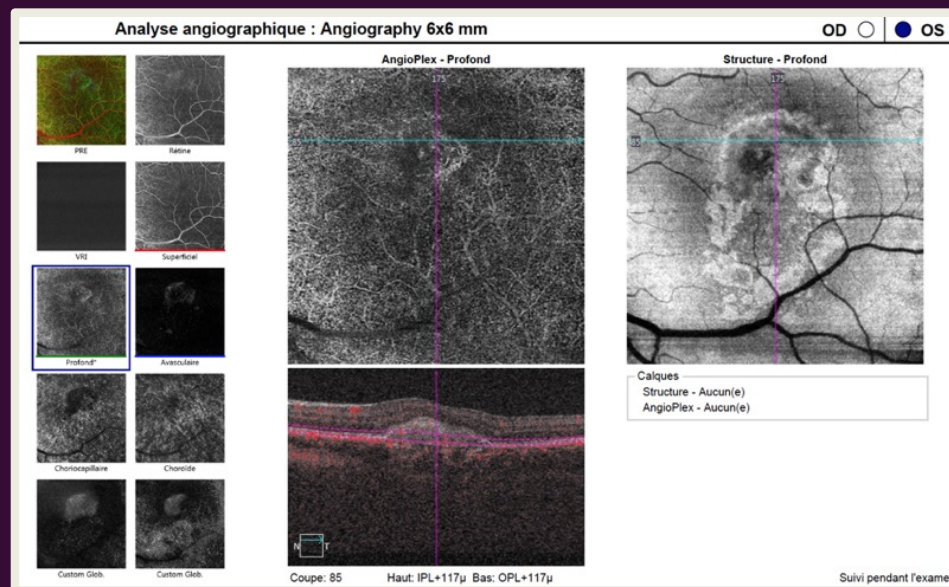
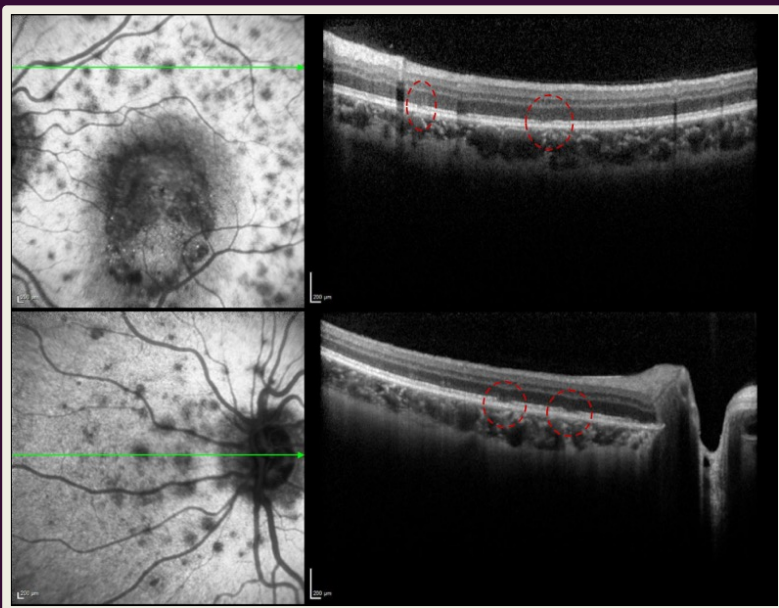
- 16 year-old french female with vision impairment in the left eye (OS).
- Previously diagnosed with bilateral Best Vitelliform Macular Dystrophy.
- **VA:** 20/40 and 20/200
- **Fundoscopic examination:** presence of yellowish vitelliform lesions in both eyes and yellow-white spots in the OS.



**Indocyanine green angiography:** hypofluorescence in the vitelliform lesions, with the white dots hypofluorescent in the OS.



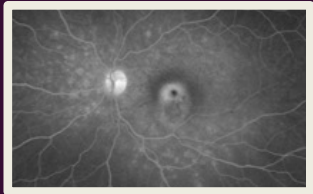
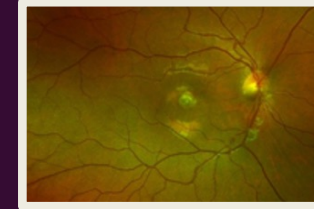
**Fluorescein angiography:** hyperfluorescence in the vitelliform deposits and impregnation of the optic disc in the OS.



- **OCT**: subfoveal hyperreflective material accumulation with ellipsoid zone (EZ) disruption in both eyes, with corresponding disruption of the EZ in areas of indocyanine hypofluorescent lesions.
- **OCT-A** was absent of positive decorrelation signs → expectant management.
- Systemic investigation was normal.
- VA improved to 20/100 in the OS with the disappearance of the white spots

# Best Disease X MEWDS

- **Best Disease** is an inherited dystrophy characterized by bilateral yellow 'egg-yolk' appearance of the macula.



- **Multiple Evanescent White Dot Syndrome (MEWDS)** is a self-limiting inflammatory disease of the choriocapillaris, that presents with unilateral vision loss and yellow-white spots in the posterior pole to midperiphery.

- The co-occurrence of these conditions has been documented previously, with hypotheses suggesting a proinflammatory microenvironment induced by choroidal neovascularization in Best Disease as a potential trigger for MEWDS-like features.
- This unique case offers additional insights into the pathogenesis of MEWDS, broadening the spectrum of potential causative factors and elucidating potential interactions between distinct ocular diseases.