Crystals in the Eye

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Clinical image description

A 48 years old female presented to us with defective vision in both the eyes since 1 year. Her BCVA in RE was 6/18 and in LE 6/9. Both eyes anterior segment examination was within normal limits and posterior segment showed glistening, yellow-white intraretinal crystals in the posterior pole, atrophy of the retinal pigment epithelium & choroidal sclerosis (Figure 1a & 1b). Both eyes SD-OCT showed outer retinal tubulations, bright reflective spots on top of RPE-Bruch membrane complex and choroidal hyper reflective spots (Figure 1c & 1d). All the fundus findings were classical and SD-OCT findings were also suggestive of Bietti's crystalline retinal dystrophy.
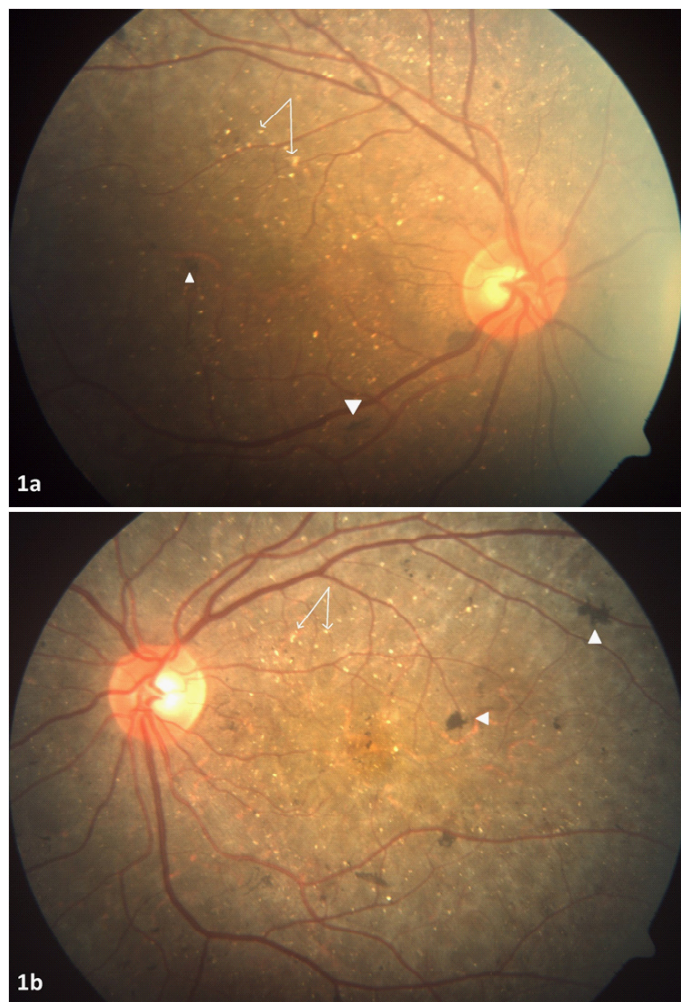
Figure 1a & b: Fundus photograph OU Yellow- white crystalline deposit (white arrow), RPE atrophy and choroidal sclerosis (arrow head).

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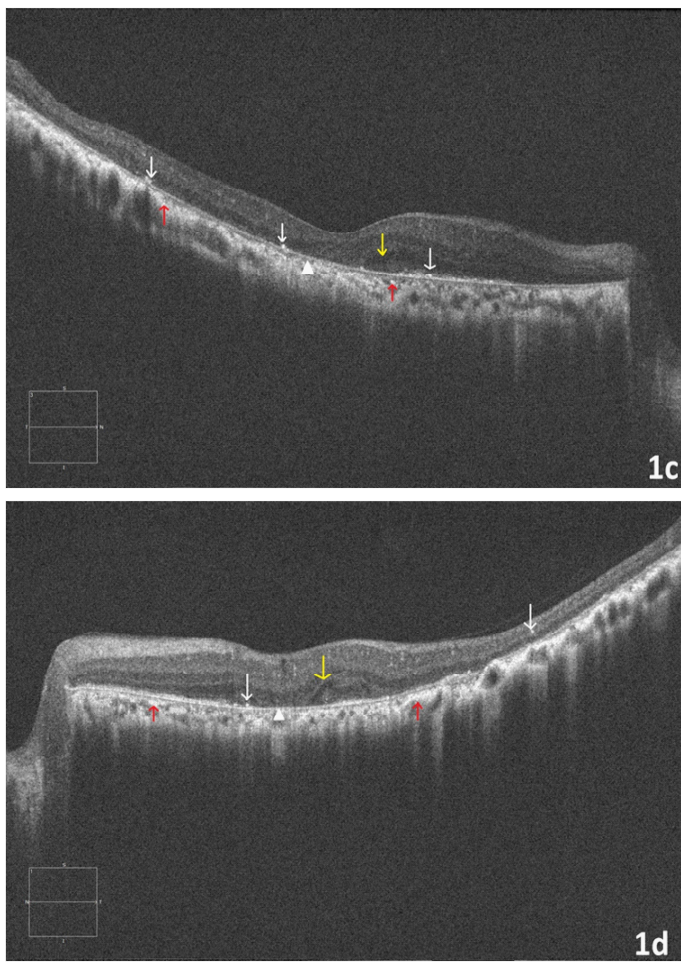
Figure 1c & d: SD-OCT of both eyes shows bright reflective spots overlying RPE-Bruchs Complex (white arrow), RPE Atrophy (Arrow head), choroidal hyper reflective spots (red arrow) and early retinal tubulations (yellow arrow).