

Yan Ning Neo yneo@nhs.net

Legend for OCT image

Cross-sectional swept-source optical coherence tomography (SS-OCT) imaging of the macula showing MIDD maculopathy. Images are demonstrated with three cross sections: superiorly to the fovea (A-a), spanning through the fovea (B-b) and inferiorly to the fovea (C-c) for right and left eyes respectively. (A-a) Cross sectional SS-OCT scans closer to/at the superior margin in the affected area demonstrated distinct areas of outer retinal atrophy with loss of the outer retina and disruption of the architecture of the neurosensory retina. Choroid is hyper-reflective in the corresponding areas of atrophy. There is loss of the photoreceptor and RPE layers but preservation of Bruch's membrane with evidence of multiple areas of outer retinal tubulation (\*). (B-b) Cross sectional SS-OCT scans spanning through the fovea demonstrate the preservation of the foveal area with an area of tubulation laterally to the fovea (+). Adjacent to the fovea, atrophy of the outer retina is noted. (C-c) Cross sectional SS-OCT scans at the inferior margin of the affected areas similarly demonstrate areas of tubulation (\*) along with evidence of disrupted RPE and localized thickening indicative of RPE insult (x).

