The central serous retinopathy patient – how do I know when CNV is present?

OCT Angiography Allows Visualization of Abnormal Vessels

What is added by OCT Angiography (OCTA)?

- OCTA aids in the identification of CNV that is often difficult to diagnose in central serous retinopathy (CSR).1

How does OCTA change patient care?

- OCTA provides visualization of CNV, allowing for timely referral to a retina specialist.
- In eyes where CNV is not present, patients can be confidently managed until a referral is needed.

CASE HISTORY

- 66 year-old white male diagnosed with CSR four years prior
- Three years after the CSR diagnosis, he reported that his past symptomatology had resolved but that he was beginning to sense subtle vision changes

CLINICAL FINDINGS

- Funduscopy showed a mottled, discolored, atrophic appearance to the macula
- OCT was obtained for serial comparison and showed no evidence of serous fluid; however, there was a hyper-reflective elevated lesion extending anteriorly from the RPE (FIGURE 1)

OCTA ASSESSMENT

AngioVue® OCTA confirmed the presence of a small occult, non-exudative lesion at the location where the central serous had resided 3 years prior (FIGURE 2). The patient was referred to the retina specialist and treatment was not indicated due to the absence of active leakage.

One year later, the patient returned for his annual examination. He reported a new recurrence of distorted vision OS. Once again, there was serous elevation and discoloration at the macula. OCT confirmed the resurgence of a fluid-filled serous pocket with adjacent distortion and anatomic changes to the RPE. OCTA showed a small neovascular membrane in the choriocapillaris and change analysis with AngioAnalytics™ flow area measurement allowed for sequential analysis of the lesion size (FIGURE 3).

CONCLUSION

OCTA allowed for the identification and serial monitoring of a chronic central serous that converted to neovascular activity. This new information facilitated enhanced co-management of the patient with his retina specialist.

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